



राष्ट्रीय फैशन प्रौद्योगिकी संस्थान

वस्त्र मंत्रालय, भारत सरकार

सिडको औद्योगिक परिसर, ओमपोरा, बडगाम -191111, जम्मू कश्मीर

National Institute of Fashion Technology



Ministry of Textiles, Govt. of India

SIDCO Industrial Complex, Ompora, Budgam-191111, J & K

16524/NIFT/Sgr/Purchase/Lab/Classroom/Tools & Equipment/2023/ 2651 Dated: 30-11-2023

Notice inviting Budgetary Quotations

NIFT Srinagar hereby invites Budgetary Quotes for various Hand Tools & Machines for **General Workshop- Accessory Design, Jewellery Workshop & Leather Workshop**. The Budgetary Quotes shall be used as reference in determining the estimated cost of items. Thereafter the final procurement shall be done through open bidding on GeM. Interested manufacturers/ dealers may forward their Budgetary Quotes as per the attached format through mail by or before **15-12-2023** In case of any queries/clarification; the bidders can contact us on e-mail id purchase.srinagar@nift.ac.in / +91-7006016501


Assistant Director 30/11/23
NIFT Srinagar


Hand Tools & Machinery for General Workshop Accessory Design (AD)- Annexure-I

Name of Bidder _____

Address _____

Contact No _____

Email _____

Sr. No.	Item Description	Detailed specification	Qty Required	Budgetary Quotation INR Per Unit with attached reference images/ links (if any)	Make & Model
1.	Horn Anvil	Material: Cast Iron Weight: 55 lbs/25 kg Product Size (L x W x H): 14 x 5.6 x 6.5 inch/35.5 x 14.3 x 16.5 cm Countertop: 8.6 x 4.1 inch/21.8 x 10.4 cm Base Size: 9.6 x 5.6 inch/24.5 x 14.3 cm Square Hole: 0.9 x 0.9 in/2.4 x 2.4 cm Hardness: 209HB Square Hole & Horn Polished surface area, an excellent finish, and protective paint is corrosion-resistance and rust-proof. It can withstand heavy blows because of drop-forged iron with maximum strength.	4		
2.	Bench vice	Types of Bench vices: Fixed base bench vice Type of construction: Cast The fixed jaw and the base of the vice shall be soundly constructed to shape in one piece and the base shall have flange or lugs to provide for at least three holes for mounting: Yes	6		

		<p>The handle shall be straight and shall slide freely in the hole provided at the end of the screw spindle: Yes</p> <p>The castings or fabricated components shall be sound, free from sand holes, pits, blowholes, scrabs and other imperfections: Yes</p> <p>All components shall be free from cracks, rust, seams, flaws and other defects: Yes</p> <p>The Movable jaw shall be soundly constructed to shape and shall be so designed that the vice is statically balanced: Yes</p> <p>The screw spindle shall move freely in the spindle nut without any undue play and stiffness: Yes</p> <p>The spindle nut shall have a length of the nominal diameter of the screw spindle: At least 2.5 times</p> <p>Material And Dimensional Parameters: Material of Body for Bench Vice: Steel cast</p> <p>Material of Movable jaw: Steel cast</p> <p>Material of Swivel base plates: Steel cast</p> <p>Material for Jaw plates: Tool steel</p> <p>Material for Screw spindle and handle: Steel</p> <p>Material for Spindle nut Grey cast iron</p> <p>Nominal size of bench vice in mm (width of the jaw) (tolerance of ± 2 percent): 100</p> <p>Minimum mass of Fixed base bench vices (in kg) 12</p> <p>Minimum mass of Swivel base bench vices (in kg)</p> <p>The hardness of the jaw plates (in HV): (445 HV to 596 HV)</p>			
3.	Bench vice	<p>Types of Bench vices: Fixed base bench vice</p> <p>Type of construction: Cast</p> <p>The fixed jaw and the base of the vice shall be soundly constructed to shape in one piece and the</p>	10		

		<p>base shall have flange or lugs to provide for at least three holes for mounting: Yes</p> <p>The handle shall be straight and shall slide freely in the hole provided at the end of the screw spindle: Yes</p> <p>The castings or fabricated components shall be sound, free from sand holes, pits, blowholes, scrabs and other imperfections: Yes</p> <p>All components shall be free from cracks, rust, seams, flaws and other defects: Yes</p> <p>The Movable jaw shall be soundly constructed to shape and shall be so designed that the vice is statically balanced: Yes</p> <p>The screw spindle shall move freely in the spindle nut without any undue play and stiffness: Yes</p> <p>The spindle nut shall have a length of the nominal diameter of the screw spindle: At least 2.5 times</p> <p>Material And Dimensional Parameters: Material of Body for Bench Vice: Steel cast</p> <p>Material of Movable jaw: Steel cast</p> <p>Material of Swivel base plates: Steel cast</p> <p>Material for Jaw plates: Tool steel</p> <p>Material for Screw spindle and handle: Steel</p> <p>Material for Spindle nut Grey cast iron</p> <p>Nominal size of bench vice in mm (width of the jaw) (tolerance of ± 2 percent): 150</p> <p>Minimum mass of Fixed base bench vices (in kg) 15</p> <p>Minimum mass of Swivel base bench vices (in kg)</p> <p>The hardness of the jaw plates (in HV): (445 HV to 596 HV)</p>			
4.	Bench vice	<p>Types of Bench vices: Fixed base bench vice</p> <p>Type of construction: Cast</p>	4		

		<p>The fixed jaw and the base of the vice shall be soundly constructed to shape in one piece and the base shall have flange or lugs to provide for at least three holes for mounting: Yes</p> <p>The handle shall be straight and shall slide freely in the hole provided at the end of the screw spindle: Yes</p> <p>The castings or fabricated components shall be sound, free from sand holes, pits, blowholes, scrabs and other imperfections: Yes</p> <p>All components shall be free from cracks, rust, seams, flaws and other defects: Yes</p> <p>The Movable jaw shall be soundly constructed to shape and shall be so designed that the vice is statically balanced: Yes</p> <p>The screw spindle shall move freely in the spindle nut without any undue play and stiffness: Yes</p> <p>The spindle nut shall have a length of the nominal diameter of the screw spindle: At least 2.5 times</p> <p>Material And Dimensional Parameters: Material of Body for Bench Vice: Steel cast</p> <p>Material of Movable jaw: Steel cast</p> <p>Material of Swivel base plates: Steel cast</p> <p>Material for Jaw plates: Tool steel</p> <p>Material for Screw spindle and handle: Steel</p> <p>Material for Spindle nut Grey cast iron</p> <p>Nominal size of bench vice in mm (width of the jaw) (tolerance of ± 2 percent): 203.2</p> <p>Minimum mass of Fixed base bench vices (in kg) 20</p> <p>Minimum mass of Swivel base bench vices (in kg)</p> <p>The hardness of the jaw plates (in HV): (445 HV to 596 HV)</p>			
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5.	Wood Worker's Vice*	Jaw opening: 100 mm Jaw width: 100 mm Material: cast iron Finish: Chrome Weight: minimum 8 kgs	6		
6.	Wood Worker's Vice*	Jaw opening: 110 mm Jaw width: 150 mm Material: cast iron Finish: Chrome Weight: minimum 12 kgs	16		
7.	Wood Worker's Vice*	Jaw opening: 340 mm Jaw width: 225 mm Material: cast iron Finish: Chrome Weight: minimum 15 kgs	4		
8.	Pipe Vice*	Type of Pipe Vice: Open side Nominal size of Jaw opening (in mm): 80 Suitability for Pipe having outer diameter (in mm): 10-77 Material of Body and jaw body: Grey Cast iron Material of Jaw plates: Tool Steel Material of Screw spindle and handle: Steel	4		
9.	Pipe Vice*	Type of Pipe Vice: Open side Nominal size of Jaw opening (in mm): 170 Suitability for Pipe having outer diameter (in mm): 21-166 Material of Body and jaw body: Grey Cast iron Material of Jaw plates: Tool Steel Material of Screw spindle and handle: Steel	4		
10.	Swage Block*	Material: Cast Iron Minimum weight: 50 kgs With different circular, square and rectangular hole.	2		

11.	Marking Table*	Table surface size: 1000 mm x 1000 mm Material: Cast iron surface Height: 500mm Hardness minimum 160 BHN Flatness Accuracy: Grade I, II or III as per DIN-876 OR as per IS Surface Finish: CNC finish Plates shall be provided with suitable Levelling & Anchoring accessories or Floor Stand (for working eight of 850-900mm)	1		
12.	Angle plate*	Size: 225mm(L)x150mm(W)x150mm(H) Cast iron Machined on 2 sides Clamping surface and base with clamping slots Reinforced by ribs Squareness and parallelism: 0.01 mm / 100 mm Minimum Weight: 10 kgs	1		
13.	Profile comb*	Length: 6 inches Perfect Profiles: Metal teeth are compact in fineness and more precise in shape imitation, precisely record the cross-sectional shape of a surface. Metric-British laser calibration is clear and easy to convert Metric-British reading Durable- Made from tough, durable iron. Smooth edge and corner that will not scratch the original finish of the shape being duplicated or rust.	5		
14.	Profile comb*	Length: 10 inches Perfect Profiles: Metal teeth are compact in fineness and more precise in shape imitation, precisely record the cross-sectional shape of a surface. Metric-British laser calibration is clear and easy to convert Metric-British reading	5		

		Durable- Made from tough, durable iron. Smooth edge and corner that will not scratch the original finish of the shape being duplicated or rust.			
15.	Drill Bit Set (12-piece set)	Set Type: Combination Drill Set Drill Bit Type: Twist Drill Bit Construction Type: One Piece Construction Set Contents: HSS Drill Bits No. of Pieces in the Set: 12 Maximum Size: 13 millimetres Material: HSS Drilling Application: Metal Minimum Size: 1 millimetre	15		
16.	Tap & Die set*	Manufactured from alloy steel this set features split die, a comprehensive array of taps, three tap holders and two die holders. Popular sizes of taps are supplied in twos. Tap sizes: 4x0.7, 5x0.8, 7x1/0.75, 8x1.25/1/0.75, 9x0.75/1/1.25, 10x0.75/ 1/1.25/1.5, 11x0.75/1/1.25/1.5, 12x 0.75/1/1.25/1.5/1.75, 14 x1, 16x1/1.5/2, 18x1.5, 14 x 2/1.5/1.25 Die Sizes: M2x0.4. M3x0.5, M4x0.7, M6x0.75,M6x1, M7x0.75, M7x1, M8x0.75,M8x1, M8x1.25, M9x0.75, M9x1, M9x1.25, M10x0.75,M10x1, M10x1.5, M10x1.75, M11x0.75, M11x1, M11X1.25, M11x1.5, M12X0.75, M12x1, M12x1.25, M12x1.5, M12x1.75, M14x1, M14x1.25, M14x1.5, M14x2, M16x1, M16x1.5, M16x2, M18x1.5 2 x Adjustable Tap Holders M6-M20 (1/4"-3/4"), M3- M12 (1/16" - 1/2") 1 x single T-bar tap holder 2 x Die Holder 25mm (1") dia, 38mm (1 1/2" dia) Supplied in a blow mould case with identification for easy storage. Popular sizes of taps are supplied in 2's.	2		

		<p>Includes 2 x adjustable tap holders M6-M20 (1/4"-3/4") M3-M12 (1/16"-1/2"). Features split die. Manufactured from Alloy Steel. Laser's 110-piece Tap and Die set has all of the necessary specifications for accurate work in automotive, engineering, and general workshops. Manufactured from high quality Alloy Steel with split dies for precision threading. The taps include Taper taps (or first Taps), Second or Intermediate Taps and Third or Plug Taps. A full complement of accessories includes two fully adjustable Tap and Die Holders plus a T bar Tap Holder. Sizes of Taps range from 4mm x 0.7 to 18mm x 1.5 Sizes of Dies range from M2 x 0.4 to M18 x 1.5.</p>			
17.	Adjustable spanner*	<p>Material: Chrome Vanadium 31 Crv3 Steel Steel Size: 12inch (300mm) Finish Type: Polished</p>	5		
18.	Allen key set*	<p>Length of Long Arm: 100 millimetres Length of Short Arm: 50 millimetres Material: High Grade Alloy Steel Piece per Box: 10 Tip Size: 2 millimetres Standard Packing with 1.5, 2, 2.5, 3,4, 5, 6, 8, 10mm keys</p>	2		
19.	Screw driver set*	<p>Screwdriver Type: Insulated Number of Pieces: 8 Tip: Tip Type Pozidriv, Slotted Applications: Turning screws Tip Size: 3 (Slotted) mm, 4 (Slotted) mm, 5.5 (Slotted) mm, 6.5 (Slotted) mm, PZ1, PZ2, PZ3</p>	5		

		Blade Material: Chrome Vanadium Molybdenum Steel Handle Material: plastic Blade Finish: Manganese Phosphate			
20.	Spanner set*	Combination Spanner Contains: 12-Piece Combination Spanner Set (6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 22mm) Chrome Vanadium Steel Anti-Slip & Anti-Corrosion properties	5		
21.	Spray gun	Working Air Pressure: upto 50 psi Max weight of the spray gun with cup in grams: 600 Capacity of the paint cup/container in ml: 500 Fluid (paint) output in l/min: upto 200 Air Consumption Rate in litre /Min: upto 100 Availability of Air control regulator: Yes Availability of Paint flow control regulator: Yes Availability of Spray control valve: Yes Availability of Extra Nozzles of Different diameters with spray gun: Yes Type of Power: Pneumatic Air inlet diameter in mm: 6 Pattern width in mm: 120 Spray distance in inch: 6 Size of Standard Nozzle in mm: 1 mm Material of Cup / Container: Stainless Steel Material of the Nozzle: Brass Spray Gun body material: Stainless Steel	3		
22.	Wire brush	Type: Handle Scratch Brush Handle Material: Wooden Bristle Material: Brass Wire Type: Straight Brush Tip Type: Broken End	50		

		Shape: rectangle			
23.	Wire brush	Type: Handle Scratch Brush Handle Material: Wooden Bristle Material: Steel Wire Type: Straight Brush Tip Type: Broken End Shape: rectangle	50		
24.	Glass Cutter*	Diamond tipped cutter can be used for scoring glass upto 12 mm thickness Basic and simple for straight and curve cutting of glass An industrial natural diamond is horned to a suitable degree and mounted on a steel shank An optimised tooth /notch used for snapping the glass through the score.	10		
25.	Long Nose plier	Material: Alloy Steel Size: 6 inches Forged carbon steel jaws fully heat treated Induction hardened cutting edges Bi-material soft grip handle Ergonomically designed handle with finger guards Long Nose	20		
26.	Short Nose plier	Material: Alloy Steel Size: 6 inches Forged carbon steel jaws fully heat treated Induction hardened cutting edges Bi-material soft grip handle Ergonomically designed handle with finger guards Short nose	20		
27.	Cutting plier	Combination pliers Length: 6 inches	20		

		Forged carbon steel jaws fully heat treated Induction hardened cutting edges Bi-material soft grip handle Ergonomically designed handle with finger guards			
28.	Firmer chisel set	11-pieces set: 4, 6, 8, 10, 12, 16, 20, 22, 25. 32 and 38 mm Material: Forged and hardened chrome-vanadium tool steel Blades finely ground, sharpened ready for use lightly flattened Ulmer handles are made of matt lacquered hornbeam (white beech) Rockwell hardness of minimum 60 HRC	20		
29.	Chisel- for Metal cutting	Cutting edge length: 1/4" Length: 5 inches Made of hardened tool steel Cutting edge is ground to exact angle black shiny finish	20		
30.	Chisel- for Metal cutting	Cutting edge length: 1/2" Length: 6 inches Made of hardened tool steel Cutting edge is ground to exact angle black shiny finish	20		
31.	Chisel- for wood cutting	Cutting edge length: 1/4" Blade Edge: Bevel Blade Material: Chromium Vanadium Steel Handle Material: Rubber Ergonomic bi-material handle	20		
32.	Chisel- for wood cutting	Cutting edge length: 1/2" Blade Edge: Bevel Blade Material: Chromium Vanadium Steel Handle Material: Rubber Ergonomic bi-material handle	20		

33.	Chisel- for wood cutting	Cutting edge length: 3/4" Blade Edge: Bevel Blade Material: Chromium Vanadium Steel Handle Material: Rubber Ergonomic bi-material handle	20		
34.	Wood Carving Chisel set- 12 Piece set	Length of each chisel: 8 inches Blade material: Carbon steel Handle material: wood Blade change method: Screw Fixed 1-piece pointed chisel 1-piece curved chisel 1-piece small round chisel 1-piece small headed flat chisel 1-piece left oblique chisel 1-piece right oblique chisel 1-piece medium headed flat chisel 1-piece round head chisel 1-piece triangle chisel 1-piece round head chisel 1-piece needle chisel 1-piece headed flat chisel	20		
35.	Centre punch set*	Material: alloy steel Length: 4 to 6 inches Finish: Black oxide finish 1/4-Inch Black Oxide Centre Punch 5/16-Inch Black Oxide Centre Punch 3/8-Inch Black Oxide Centre Punch 1/4-Inch Black Oxide Centre Punch 1/16 Pt 1/4-Inch Black Oxide Centre Punch 5/64 Pt 5/16-Inch Black Oxide Centre Punch 1/8 Pt 7/16-Inch Black Oxide Centre Punch 1/4 Pt	4		

36.	Hack Saw Frame- Tubular Frame	Size: 12 inches Body type: Tubular, Steel Blade: stainless Steel Handle material: PVC/plastic	20		
37.	Hack Saw Frame- Tubular Frame	Size: 6 inches Body type: Tubular, Steel Blade: stainless Steel Handle material: PVC/plastic	20		
38.	Metal sheet cutter (snip)	Length: 6" Cutting Ability: Upto 16-gauge Cold Rolling Steel Material: Drop Forged 6150 Chrome Vanadium Steel Blade is Heat Treated Cutting Edge quenched with High Temperature Sharp and Durable. Detachable Spring Design Comfortable Ergonomic TPR Handle	20		
39.	Metal sheet cutter (snip)	Length: 8" Cutting Ability: Upto 16-gauge Cold Rolling Steel Material: Drop Forged 6150 Chrome Vanadium Steel Blade is Heat Treated Cutting Edge quenched with High Temperature Sharp and Durable. Detachable Spring Design Comfortable Ergonomic TPR Handle	20		
40.	Metal sheet cutter (snip)	Length: 12" Cutting Ability: Upto 16-gauge Cold Rolling Steel Material: Drop Forged 6150 Chrome Vanadium Steel Blade is Heat Treated Cutting Edge quenched with High Temperature Sharp and Durable. Detachable Spring Design Comfortable Ergonomic TPR Handle	20		

41.	Wood Rasp File set	Length: 8 inches/ 200 mm Material: High carbon steel Cut: Mixed PVC Handle 1 x Round Rasp 200mm (8in) 1 x Half-Round Rasp 200mm (8in) 1 x Flat Rasp 200mm (8in)	20		
42.	Rough File- Flat	Length: 12 inches Material: Carbon Steel PVC Handle	15		
43.	Rough File- Square	Length: 12 inches Material: Carbon Steel PVC Handle	15		
44.	Rough File- Triangle	Length: 12 inches Material: Carbon Steel PVC Handle	15		
45.	Rough File- Half Round	Length: 12 inches Material: Carbon Steel PVC Handle	15		
46.	Rough File- Round	Length: 12 inches Material: Carbon Steel PVC Handle	15		
47.	Smooth File- Flat	Length: 12 inches Material: Carbon Steel PVC Handle	15		
48.	Smooth File- Square	Length: 12 inches Material: Carbon Steel PVC Handle	15		
49.	Smooth File- Triangle	Length: 12 inches Material: Carbon Steel PVC Handle	15		

50.	Smooth File- Half Round	Length: 12 inches Material: Carbon Steel PVC Handle	15		
51.	Smooth File- Round	Length: 12 inches Material: Carbon Steel PVC Handle	15		
52.	Rough File- Flat	Length: 10 inches Material: Carbon Steel PVC Handle	15		
53.	Rough File- Square	Length: 10 inches Material: Carbon Steel PVC Handle	15		
54.	Rough File- Triangle	Length: 10 inches Material: Carbon Steel PVC Handle	15		
55.	Rough File- Half Round	Length: 10 inches Material: Carbon Steel PVC Handle	15		
56.	Rough File- Round	Length: 10 inches Material: Carbon Steel PVC Handle	15		
57.	Smooth File- Flat	Length: 10 inches Material: Carbon Steel PVC Handle	15		
58.	Smooth File- Square	Length: 10 inches Material: Carbon Steel PVC Handle	15		
59.	Smooth File- Triangle	Length: 10 inches Material: Carbon Steel PVC Handle	15		
60.	Smooth File- Half Round	Length: 10 inches Material: Carbon Steel	15		

		PVC Handle			
61.	Smooth File-Round	Length: 10 inches Material: Carbon Steel PVC Handle	15		
62.	Rough File-Flat	Length: 8 inches Material: Carbon Steel PVC Handle	15		
63.	Rough File-Square	Length: 8 inches Material: Carbon Steel PVC Handle	15		
64.	Rough File-Triangle	Length: 8 inches Material: Carbon Steel PVC Handle	15		
65.	Rough File-Half Round	Length: 8 inches Material: Carbon Steel PVC Handle	15		
66.	Rough File-Round	Length: 8 inches Material: Carbon Steel PVC Handle	15		
67.	Smooth File-Flat	Length: 8 inches Material: Carbon Steel PVC Handle	15		
68.	Smooth File-Square	Length: 8 inches Material: Carbon Steel PVC Handle	15		
69.	Smooth File-Triangle	Length: 8 inches Material: Carbon Steel PVC Handle	15		
70.	Smooth File-Half Round	Length: 8 inches Material: Carbon Steel PVC Handle	15		

71.	Smooth File-Round	Length: 8 inches Material: Carbon Steel PVC Handle	15		
72.	Rough File-Flat	Length: 6 inches Material: Carbon Steel PVC Handle	15		
73.	Rough File-Square	Length: 6 inches Material: Carbon Steel PVC Handle	15		
74.	Rough File-Triangle	Length: 6 inches Material: Carbon Steel PVC Handle	15		
75.	Rough File-Half Round	Length: 6 inches Material: Carbon Steel PVC Handle	15		
76.	Rough File-Round	Length: 6 inches Material: Carbon Steel PVC Handle	15		
77.	Smooth File-Flat	Length: 6 inches Material: Carbon Steel PVC Handle	15		
78.	Smooth File-Square	Length: 6 inches Material: Carbon Steel PVC Handle	15		
79.	Smooth File-Triangle	Length: 6 inches Material: Carbon Steel PVC Handle	15		
80.	Smooth File-Half Round	Length: 6 inches Material: Carbon Steel PVC Handle	15		
81.	Smooth File-Round	Length: 6 inches Material: Carbon Steel	15		

		PVC Handle			
82.	Safe edge file	Length: 8 inches Material: Carbon Steel PVC Handle	15		
83.	Safe edge file	Length: 10 inches Material: Carbon Steel PVC Handle	15		
84.	Knife edge file	Length: 6 inches Material: Carbon Steel PVC Handle	10		
85.	Needle file set	6-piece set Material: HSS Suitable for use on wood, plastic, and metal	10		
86.	Hack Saw Frame- Solid Frame	Size: 12 inches Body type: Steel Blade: stainless Steel Handle material: PVC/plastic	20		
87.	Hack Saw Frame- Solid Frame	Size: 6 inches Body type: Steel Blade: stainless Steel Handle material: PVC/plastic	20		
88.	Wooden Mallet	Diameter: 3 inches Weight: 300 gms Handle length: 15 inches Material: Polished wood	30		
89.	Wood Chisel Set (Chrome Vanadium Steel)	Sizes: 6mm (1/4"), 12mm (1/2"), 19mm (3/4"), 25mm (1") Material: Heat treated fully-forged Cr-V steel blade Ergonomic rubber/plastic handle	20		
90.	Hand saw	Length of handsaw blade: 14" Blade material: spring steel	25		

		Material of handle: Plastic Thickness of blade: minimum 1 mm Number of teeth per inch: 25 Shape of the blade must be a trapezium Cutting edge must be straight			
91.	Hand saw	Length of handsaw blade: 20" Blade material: spring steel Material of handle: Plastic Thickness of blade: minimum 1 mm Number of teeth per inch: 20 Shape of the blade must be a trapezium Cutting edge must be straight	25		
92.	C clamp set*	Set of 5 Maximum opening of C Clamps: 1", 2", 3", 5" and 7" Material of body of C-Clamps: Wrought steel Material of Handle, Screws and Pressure Pad of C-Clamps: Steel Maximum Closing of C Clamps: Full closing	10		
93.	Hammer- Ball Peen	Weight: 3/4 lbs Grade of Material (Steel): T65 Material of Handles: Wood Length Of the Handles (in mm): 320 millimetres	25		
94.	Hammer- Cross Peen	3/4 lbs Grade of Material (Steel): T65 Material of Handles: Wood Length Of the Handles (in mm): 320 millimetres	25		
95.	Claw Hammer	Padded handle: Yes Hammer type: Claw Hammer Handle material: Stainless steel Item weight: 500 grams Hammer handle length: 315 millimetres	10		

		Hammer head shape: Round Feature: Sparkle Hammer head Diameter: 30 millimetres Claw shape: curved			
96.	Sledge Hammer*	Type of Hammers: double face sledge hammer Nominal Mass (Grams): 3000 Grade of Material (Steel): T50 Material of Handles: Wood Length Of the Handles (in mm): 400 millimetres	5		
97.	Chipping hammer*	Weight: 300 gms Head material: Steel Handle Shape: round Handle Material: iron Grip Material: iron spring Handle length: 270 mm	15		
98.	Circlip plier set*	Set of 4 1-Straight internal plier 1-Straight external plier 1-Bent internal plier 1-Bent internal plier Material: forged and hardened carbon steel Length of straight pliers: 175 mm Length of the bent pliers: 170 mm Handle Material: PVC, Rubber, Steel Spring loaded	5		
99.	Slip joint pliers*	Dimensions: 225 mm/9 inches Made from drop-forged carbon steel Hardened and tempered head Handle Material: Alloy Steel Dip-insulated handles	20		
100.	Pincer*	Dimensions: 225 mm/9 inches Made from drop-forged carbon steel	10		

		Hardened and tempered head Handle Material: Alloy Steel Dip-insulated handles			
101.	Wire stripper*	Length: 150mm/6 inches Material: Carbon steel Coated with black oxide layer It can strip out 22-10 AWG wires Handle material: PVC/plastic	10		
102.	Hand Planer set	Set of 6 (3- Corrugated planer and 3-smooth planer with blades) 3",4" and 5" Corrugated planer 3",4" and 5" smooth planer Blade material: carbon steel Material Handle: Wooden	12		
103.	Hand saw compass	Sizes: 300 mm/ 12 inches Blade material: manganese steel Saw teeth with a special three-sided profile Teeth hardened to 50-54 HRC Graduation 7 TPI Handle material: Plastic/PVC (rubberized)	20		
104.	Pipe wrench*	Type of Pipe Wrench: Straight Pipe Wrench Nominal Size of Pipe wrench (in mm): 200 Minimum Jaw thickness of Pipe Wrench (in mm): 11 Maximum capacity of Pipe wrench (in mm): 38 Minimum capacity of Pipe wrench (in mm): 14 Approximate length of handle from Heel Jaw (in mm): 200 Approximate length of movable jaw (in mm): 125 Material for Handle: Malleable cast iron Material for Movable and heel jaw: Forging Steel	5		
105.	Axe*	Material of Axe Head: Carbon steel Material of Handle (Shaft): Wood	2		

		<p>Hardness of Axe Head: 550 - 650 HV or 54- 62 HRC</p> <p>Length of axe head in mm with Tolerance +/- 6 mm: 241</p> <p>Overall Width of axe head near chisel edge in mm with tolerance +/- 3 mm: 95</p> <p>Width of Axe head near eye end in mm with tolerance +/- 3 mm: 54</p> <p>Diameter of eye in mm with tolerance +/- 3 mm: 48</p> <p>Thickness of chisel Edge in mm with tolerance +/- 2 mm: 6.4</p> <p>Length of handle (Shaft) in mm with tolerance +/- 10 mm: 400</p> <p>Weight of axe in Kg: 1.2</p>			
106.	Tenon Backsaw	<p>Blade length: 350 mm</p> <p>Material: Carbon steel</p> <p>Number of teeth per inch: 11TPI/12 points</p> <p>Handle: ergonomic bi-material handle with thumb rest</p> <p>Induction hardened teeth</p>	10		
107.	Mortise Marking Gauge*	<p>Set of 3 pieces</p> <p>Type of Product: Combined Mortise Marking Gauge</p> <p>1-piece of each 3",6" and 9" lengths</p> <p>Material: Wood, Brass</p>	10		
108.	Pneumatic Staple Gun*	<p>Staple size (mm): 6 - 16 mm</p> <p>Material: Die-cast aluminium</p> <p>Magazine capacity: 100 pcs</p> <p>Handle coated with rubber</p> <p>It has a rotating air outlet nozzle with connection of 1/4BSP.</p> <p>It can staple in hard wood and wood-based materials.</p>	5		

109.	Keyhole saw*	Blade Length (Inches): 12 Blade Material: Carbon Steel Cut: Coarse cut Frame/Cutting Depth: 1-1/2-in Handle Length (Inches): 6 Handle Material: Plastic	10		
110.	Hole saw cutter drilling kit*	9-piece hole saw set Designed to cut metal, mild steel, aluminium Progressive tooth strip for high cutting performance Material: HSS bi-metal with 8% cobalt alloy Package Contents: 1-Piece 19mm HSS bi-metal hole saw, 1-Piece 22mm HSS bi-metal hole saw, 1-Piece 29mm HSS bi-metal hole saw, 1-Piece 38mm HSS bi-metal hole saw, 1-Piece 44mm HSS bi-metal hole saw, 1-Piece 57mm HSS bi-metal hole saw, 1-Piece Hexagon adapter with pilot drill bit for 19-29mm hole saws, 1-Piece Hexagon adapter with pilot drill bit for 38-57mm hole saws, 1-Piece Allen key Wrench	5		
111.	Forstner Drill Bit set*	Material: Carbide, High Speed Steel Cutting Angle String: 90 Degrees Tool Flute Type: Straight 16Pcs include 16 different boring diameters: 15mm/16mm/17mm/18mm/19mm/20mm/21mm/22mm/23mm/24mm/25mm/26mm/28mm/30mm/32mm/35mm Suitable for working on wood, plastic, plywood and engineered wood	5		

112.	Burr drill bit kit set*	Material: Tungsten Carbide Flutes: 2 Flute Shank Diameter: 3.175mm (1/8") Cutting Diameter: 3.175mm (1/8") Cutting Edge Length (Flute Length): 12mm Total Length: 38.5mm It can be engraved Copper, Aluminium, ABS, Acrylic, PVC, Wood, most plastics Set of 10 pieces	5		
113.	Square hole drill bit set*	Material: High Speed Steel Size: 6.4mm/8mm/9.5mm/12.7mm Hollow Mortising Chisel Type Bits	5		
114.	Diamond coated core hole saw drill bit kit*	Set of 10-pieces Material: Steel, Diamond Diameters: 3mm/0.12", 4mm/0.16", 5mm/0.20", 6mm/0.24", 8mm/0.31", 10mm/0.39", 12mm/0.47", 18mm/0.71", 32mm/1.26", 50mm/1.97" Finish: Nickel Plated Suitable to cut Holes in Marble, Slate, Glass, Tile, Stone, etc	5		
115.	Draw knife-Straight*	Blade material: high carbon steel Blade profile: straight Blade length: 5" (125 mm) Handle material: Wood	15		
116.	Draw knife-curved*	Blade material: high carbon steel Blade profile: Curved Blade length: 5" (125 mm) Handle material: Wood	15		
117.	Woodworking Scraper*	Blade Material: Carbon Steel Blade length: 2" (50 mm) Handle material: PVC/Plastic Rubberized handle	12		

118.	Measuring Tape	Blade length: 5 mts. Blade material: Steel Blade width: 19mm Body material: Rubber plastic (case: rugged rubber) Gives Accurate Measurements, Long Lasting & Durable. It Ensures the Matchless Performance. Impact Resistant & Provides Anti-Slip Hold.	20		
119.	Steel scale	Type of Product: Steel Ruler Size of Scale / Gage in (Inch): 40 Inch Size Of Scale / Gage in (mm): 1000 mm Material: Steel Clear Graduations on Satin Chrome Matt Finish Surface Stainless Tempered	30		
120.	Steel scale	Type of Product: Steel Ruler Size of Scale / Gage in (Inch): 12 Inch Size Of Scale / Gage in (mm): 300 mm Material: Steel Clear Graduations on Satin Chrome Matt Finish Surface Stainless Tempered	30		
121.	Tri square	Size (Inch): 6" Material: Carbon Steel Clear Graduations on Satin Chrome Matt Finish Surface Stainless Tempered	25		
122.	Tri square	Size (Inch): 12" Material: Carbon Steel Clear Graduations on Satin Chrome Matt Finish Surface Stainless Tempered	5		

123.	Vernier Calliper-Digital	<p>Jaw Type: With jaws on both sides for external and internal measurements. Provided with blade for depth measurement: Yes Provided with Step-Measuring Faces: Yes External Measurement Range (mm): 0-300 Least Count / Resolution: 0.01 millimetres Accuracy (Maximum error in reading) at 20 deg C (\pm): 0.01 millimetres Type of Display: Digital Salient Features / Functions: Thumb Roller, Ratchet drive Roller, Locking Screw, Inch / Metric conversion, Selectable Resolution, Manual ON/OFF, Zero-setting, Offsetting, Present Function, ABSOLUTE Function, Fine Adjustment Thumb Wheel Material of the main parts of Callipers such as beam, sliding jaw and depth measuring blade: Hardened Stainless Steel Minimum Operating Temperature: 0 degree Celsius Maximum Operating Temperature: 70 degrees Celsius Maximum Operating Humidity at 40 deg C (Rh): 70 percent</p>	15		
124.	External Micrometer-Digital	<p>Type: Digital Outside micrometer Anvil: Non-removable anvil with flat measuring face Shape of the Spindle end: Flat Spindle end tipped with tungsten carbide: Yes Measurement Range (mm): 0-25 Least Count / Resolution: 0.001 millimeter Accuracy (Maximum error in reading) at 20 deg C (\pm): 0.001 millimeter Type of Display: LCD</p>	5		

		salient Features / Functions: Auto Power OFF, Inch / Metric conversion, ABSOLUTE Function, Preset Function, Data Output, Zero-setting Material of the Frame: Stainless Steel Material of the Spindle and Anvil: Hardened Stainless Steel Minimum Operating Temperature: -5 degree Celsius Maximum Operating Temperature: 70 degrees Celsius Maximum Operating Humidity at 40 deg C (Rh): 85 percent			
125.	Wire gauge	Material: Stainless Steel Thickness: 0.5 mm Size: 85 mm Shape: Round Measurement accuracy: 0.19 Measurement Range (mm): .3 mm to 7.62 mm	30		
126.	Divider, Inside and Outside calliper set	Material: High Quality Steel Size: 6 inch Measuring Range (mm): 150 mm No. of Piece: 3 Slide Lock: Yes	15		
127.	Divider, Inside and Outside calliper set	Material: High Quality Steel Size: 12 inch Measuring Range (mm): 300 mm No. of Piece: 3 Slide Lock: Yes	6		
128.	Level Gauge/ Spirit level	Type of spirit level: Magnetic Accuracy in mm: 0.5 mm Thickness of the tube (in mm): 1.25 mm Name of the Liquid filled in the tube: industrial methylated spirit	5		

		Length of spirit level (in mm): 300 Width of spirit level (in mm): 50 Height of the spirit level (in mm): 20			
129.	Vernier height gauge*	Type: Digital Height Gauge Operation: Manual Number of Beams / Poles (Columns) in the Height Gauge: Single Beam / Pole Measurement Range (mm): 0-300 Least Count / Resolution: 0.001 millimetre Accuracy (\pm): 0.01 millimetres Material of the Beam / Column: Stainless Steel Material of the Base: Cast Iron Minimum Operating Temperature: 0 degree Celsius Maximum Operating Temperature: 40 degrees Celsius	2		
130.	Hole Test Micrometer*	Type of Hole test Micrometer: Three point Hole test, mm: 62-75 Setting Ring Diameter: 25 millimetres LC: 0.01 millimetres Accuracy: 1 micrometre Graduation: 5 micrometres	2		
131.	Internal Micrometer*	Anvil: Non-rotating spindle has two directional ratchets stop for constant Force Measuring range of internal micrometres in mm: 0-25 mm All graduation lines on the thimble and barrel shall have clear cuts: Yes Number of divisions of thimble: 50 Unit of each division in mm: 0.01 Number representation of thimble: 0, 5, 10 ,15 ,20 ,25 ,30 ,35, 40, 45 The longitudinal fiducial line of barrel shall be	2		

		<p>parallel to spindle: Yes Hardness of measuring face of anvil: Not less than 800 HV (63.5 HRC) Provision of extension rods: Yes Provision of zero setting adjustment: Yes Provision of spanners or keys for adjustment: Yes Material of the internal Micrometer: Steel Shape of the Spindle end: Flat Pitch of Micrometer screw in mm: 0.5 Diameter of graduated edge of thimble in mm: 10 Angle of bevel of thimble in degree: 15 - 20 Distance from barrel to reading end of the graduation on the thimble in mm: 0.4 Width of graduation lines on the thimble and barrel in mm: 0.15 Interval of longitudinal fiducial line of barrel in mm: 0.5 Thickness of graduation lines in mm: 0.15 Material of tip of measuring face: Tungsten Carbide</p>			
132.	Hack saw blades	<p>6” and 12” each Material: Carbon steel</p>	100		
133.	Circular saw Blade	<p>Type of Product: Circular Saw Blade Bore: 25.4 mm Thickness: 1.5 mm No. of Teeth: 60 Material: High Carbon Steel Tooth Shape: ATB Blade Type: T60</p>	6		
134.	Grinding wheels	<p>Dimensions - 100 mm OD Thickness: 6 mm Centre Bore: 16 mm RPM: 15300 min-1</p>	20		

		For grinding, removing excess material from a surface, cleaning us cuts, preparing metals for welding			
135.	Cutting wheels	Dimensions - 100 mm OD Thickness: 1.2 mm Centre Bore: 16 mm Abrasive material: aluminium oxide RPM: 14600 min-1 Type: Metal Cutter	20		
136.	Flap discs	Dimensions - 100 mm OD Centre Bore: 16 mm Abrasive material: aluminium oxide Grit Number: 80 Used for light stock removal, blending and finishing all in one application.	20		
137.	Sanding belt	Size: 6x36 inches Grit Number: 150 Grit Material: Aluminium Oxide	15		
138.	Emery cloth roll	Size: 4" Inch (100 mm) Length: 5 Meter Backing Type: Paper Brand Digital Craft Grit Type: Coarse Grit Material: Emery Grit Number: 400 Material: Aluminium Oxide Compatible Material: Wood	10		
139.	Buffing wheel	Disc Diameter: 4 inches Inner Diameter 0.63"(16mm) Thickness: 0.48"(12mm) Material: Nylon Fiber To Remove Paint & Rust	30		

		Strong synthetic fiber mesh and quality abrasives, bonded together by a smear-resistant adhesive.			
140.	Knitted Gloves (reusable)	Material: Cotton Knitted Size: Regular Weight: 80gms (minimum) Thickness: 7G Water-Repellent Properties	40		
141.	Leather Gloves	Size: 10 (Large) Material: leather Resistance to cuts and abrasion Good dexterity Elasticated back for close fit Water resistant	40		
142.	Leather Aprons (reusable)	Material: Genuine Leather Adjustable Neck Strap (28 INCH. LONG) Extra Long: 60 (LENGTH) x 78(HEIGHT) CM Tool Pocket: 1 Heat Flame Resistant Full Grain Leather For wood working, carpenter, barber, forging, blacksmith.	30		
143.	Nose Masks (Disposable)	Full cover mask Ear Mount 4 Ply Size: Adult Outer Layer is Water Resistant Layer Which Helps to Block Outside Droplet. Middle Layer is Filtration Layer Which Block Germs, Bacteria, Pollution, Dust etc Inner Layer is Skin Friendly Layer Which Observe Inside Moisture for Unisex	300		

144.	Safety Goggles	Technical Specification of the Protective Eye Goggles: Conformity MHA QR for Protective Eye Goggles, issued by MHA vide No. IV-21011/31/2009-Prov-I Dated-21.07.09	45		
145.	Face mask	Helmet Visor Face Shield Mask Material: Polycarbonate Unbreakable Polycarbonate Shield PU foamed for comfort covered with soft fabric Adjustable size Long Face Shield	15		
146.	First Aid-Medical Kit	Wall mounting Type Colour: Red & Ivory Material: GI Metal (18 Gauge) Triple layer powder coated Closure Type: Lock Pattern: Transparent Item Dimensions LxWxH: 28.5 x 8 x 32.5 Centimetres	5		
147.	Oil Can	Material: Steel Capacity: 1/4 Pint Oil Can = 118 ml. Nozzle in Steel and Chrome Plated. Convenient for Oiling	3		
148.	Glue gun*	Power Source: Corded Electric Wattage: 150 Watt with Multi Temperature Control 100 Glue Sticks - 11.2mm	20		
149.	Filler gauge*	Range: 0.05 - 1mm Composition of Leaves: 28 Leaves: 0.05-0.15mm by 0.01mm, 0.2-1mm by 0.05mm Length of each leaf: 150mm Material: hardened spring steel	2		
150	Depth Micrometer*	Product Type: Interchangeable Rod Type Measurement Type: Digimatic	2		

		Graduation/Resolution, mm: 0.01 No. of Rods: 1 Measurement Range, mm: 0-25 Salient Features : Data Output, Zero Setting, Origin Point Setting, Ratchet stop provides constant measuring force Type of Display: LCD			
151	Carbide tip Scriber Compass*	Calliper Type: Divider Calliper Material: Stainless Steel Measurement Range: 0-300mm Accuracy: 0.5mm Carbide tip Scriber Compass Circle Marking Tool Carbide Tip Circle Scriber	15		
152	Welding goggles	Material: Glass Frame Type: Full Rim Lens Colour: Clear Sport: Cycling	15		
153.	Fret saw*	Length: 6" Frame: Steel Handle: wooden	20		
154.	Fret saw*	Length: 12" Frame: Steel Handle: wooden	20		
155	Hack Saw Frame junior	Size: 6mm Body Type: Tubular, Steel Blade: SS Handle Material: PVC/Plate	20		
156	Hack Saw Junior Blades	6mm Material: Carbon Steel	100		
157	Metal chisel	Length: 6" Cutting Ability: upto 16-gauge Cold Rolling Steel Material: Drop Forged 6150 Chrome Vanadium Steel	20		

		Blade is heat Treated Cutting Edge quenched with High Themperature Sharp and Durable. Detachable Spring Design Comfortable Ergonomic TPR Handle			
158	Adjustable Spanner Set	Material: Chrome Vanadom 31 Crv 3 Steel Steel Size: 12 inch (300mm) Finish Type: Polished	05		
159	Tweezers	Length: 9 inch Material: Carbon Steel	30		
160	Tweezers	Length: 6 inch Material: Carbon Steel	30		
161	Tweezers	Length: 4 inch Material: Carbon Steel	30		
162	Mandrels-Ring	Precisely machined into tool steel and then hardened to assure accuracy. Laser-etched in 1/4" –size increments from 1-16. On the reverse side of the mandrel, there is a second scale for determining shank stock lengths. Grooved modle is designed for stone-set rings. Handle is 1" in dia. And overall length is 13"	10		
163	Mandrels Bangle	Manufactured from Cast steel, Steel Bracelet mandrels is hand polished to provide a higher degree of surface finish. Tangs measure 1 3/4" long x 1 1/2" wide x 1 1/4" high approximately. It can be clamped in a bench vise ,or fitted into our Mandrel Holder. Overall length is 9" . Four 1 3/4" long steps with sectional dimensions of : 2 1/2"* 2 1/4" (63 *57mm)''', 2 1/4"* 2 1/16" (57 *52.5mm), 2*1 13/16" (51 *47mm), 1 3/4" * 1 5/8" (45 *41mm)	10		

164	Metal Sticks (Fo coil Making)	Length : 10" Material: Carbon Steel with chrome plate Diameter as per the ring sizes: 16 , 17, 18 ,19,& 20	05		
165	Dapping & Doming Set	Material : Alloy Steel Complete set for dapping , doming & forming gold , silver , brass , copper 21 – Dapping punches ranging in diameter from 3to 30 10- Round forming rods ranging in diameter from 2 to 24mm 5 – square forming rods ranging in diameter from 2 to 6 1 – 45 Forming rod 1-Oval dapping punch 2- ½”(62mm) Cube dapping die with 21 depressions, 4.5 to 45mm 2-3/8”(60mm) Cube forming die with 12 half –round grooves, 5 flat grooves , and 5 90 grooves and 5 oval depressions Miniature anvil.	10		
166	Wire draw plate	Material : Tool Steel For drawing the wire of the gauges range from 12 to 24 gauges Section: Circular	05		
167	Jewellery plier set	Set include : Needle Nose pliers , Round Nose Pliers , Chain Nose Pliers , Bent Nose Pliers , and zipper Pliers (one piece of each) Size :9 inches Handle : Metal coated with plastic The surface of the pliers should be smooth and polished.	10		
168	Side cutting plier	Induction – hardened precision cutters (35pprox.. 64 HRC for all wire qualities Material : High – quality alloy steel Total length :160mm Blade length : 22mm Cutting power: Wires up to 19HRC 3.0mm Wires up to 40 HRC 2.8mm	10		

		Wires up to 48 HRC 2.0mm Wires up to 59 HRC 1.6mm			
169	Chisel Set (half round)	Sizes :6mm (1/4"), 12mm (1/2"), 9mm (3/4"), 25mm (1) Material : Heat treated fully forged Cr –V steel blade Ergonomic rubber/ plastic handle	35		
170	Ball Peen Hammer	Weight :3/4lbs Grade of Material (Steel): T65 Material of Handles: Wood Length of the Handles (in mm): 320mm	35		
171	Cross peen Hammer	Weight : 3/4lbs Grade of Material (Steel) : T65 Material of Handles : Wood Length of the Handles (in mm) : 320mm	35		
172	Sledge Hammer	Type of Hammers : double face sledgehammer Nominal Mass (Grams): 3000 Grade of Material (Steel): T50 Material of Handles : Wood Length of the Handles (in mm): 400 millimeters	04		
173	Claw hammer tubular	Padded handle: Yes Hammer type: Claw Hammer Handle material: Stainless steel (tubular) Item weight: 500 grams Hammer handle length: 315 millimetres Hammer head shape: Round Feature: Sparkle Hammer head Diameter: 30 millimetres Claw shape: curved	10		
174	Vernier Calliper (Manual)	Size:200mm Material: Stainless Steel Measuring Rang: 0 to 300 mm Accuracy:+- 0.05mm	05		
175	Sheet & wire Gauge	Material: Stainless Steel Thickness: 0.5 mm Size: 85 mm	30		

		Shape: Round Measurement accuracy: 0.19 Measurement Range (mm): .3 mm to 7.62 mm			
176	Hack Saw Frame Junior	Size: 6mm Body Type: Tubular, Steel Blade: SS Handle Material: PVC/Plastic	20		

Hand Tools & Machinery for Jewellery Workshop –Annexure-II

Name of Bidder _____

Address _____

Contact No _____

Email _____

Sr. No.	Item Description	Detailed specification	Qty Required	Budgetary Quotation INR Per Unit with attached reference images/ links (if any)	Make & Model
1.	Pendant Motor Jewellers Kit Type: Quick Release System	Type: Key Tip Plug Type: 3 Pin Voltage: 220V Power (Watts): 125W The key tip inner cable measures 39 inches long. Kit contains a reliable motor, speed control, hand piece and accessories. Features a quick release hand piece Maximum speed of 18,000 RPM Ideal for both left and right-handed users A rotating burr stands, 43-piece assortment of accessories including various abrasive wheels, sanding bands, cotton buffs, Scotch Brite discs, and engraving burrs. Recommended make: Foredom/Dremel/Bosch	3		
2.	Pendant Motor Jewellers Kit Type: Fixed System	Type: Key Tip Plug Type: 3 Pin Voltage: 220V Power (Watts): 125W 3 jaw geared chuck It can take any size shank burr or drill bit up to 4.0mm	3		

		<p>diameter. The length of shaft is approx.900mm (36"). The key tip inner cable measures 39 inches long. Kit contains a reliable motor, speed control, hand piece and accessories. Features a fixed system hand piece Multi-directional speed of 18,000 RPM Contains: A rotating burr stands, 43-piece assortment of accessories including various abrasive wheels, sanding bands, cotton buffs, Scotch-Brite discs, and engraving burrs. Recommended make: Foredom/Dremel/Bosch</p>			
3.	Pendant Motor Jewellers Kit Type: Low Speed	Type: Key Tip Plug Type: 3 Pin Voltage: 220V Power (Watts): 75W Max speed 5,000 RPM For stone setting, wax modelling and pearl drilling, as it offers high torque/low speed which provide more power and control. The key tip inner cable measures 99cm/39 inches long. Recommended make: Foredom/Dremel/Bosch	3		
4.	Pendant Motor Jewellers Kit Type: Motor Slip Joint	Type: Slip Joint Plug Type: 3 Pin Voltage: 220V Power (Watts): 125W Multi-directional speeds up to 18,000rpm The key tip inner shaft measures 39 inches long. Includes a foot operated speed control Compatible with slip joint hand pieces Recommended make: Foredom/Dremel/Bosch	3		
5.	Pendant Motor Jewellers Kit Type: Stone Setting System	Type: Key Tip Plug Type: 3 Pin Voltage: 230V Maximum speed of 5,000 RPM Power (Watts): 125W	3		

		<p>Hammer action has a 1/32" stroke Ideal for stone setting, wax modelling and pearl drilling Ideal for low-speed applications, 13-piece accessory kit and 2 hand pieces A 13-piece accessory kit completes this set featuring: 0.9mm, 1.0mm, 1.1mm, 1.4mm, 1.5mm, 2.0mm, and 2.2mm Step Drills plus 0.8mm, 1.6mm, 2.3mm Ball Burrs and 0.8mm and 2.3mm Inverted Cone Burrs (on 2.35mm shank), supplied in a convenient burr holder. Kit contains: Motor, Speed Control, Hammer and Quick-Change hand pieces, Accessory Kit and Flexible Shaft Grease. Recommended make: Foredom/Dremel/Bosch</p>			
6.	Buffing set for Shaft Drill machine	<p>11Pcs Polishing Mop Wheel Kits: Include 2*1.5" (38mm), 1.97" (50mm), 2.95" (75mm), 3.94" (100mm) mushroom buffing wheel, 1.57" (40mm) and 2.36" (60mm) cylindrical buffing wheel, 2.17" (55mm) and 2.56" (65mm) conical buffing wheel, 1.97" (50mm) and 3.94" (100mm) T-shaped buffing wheel. High-Quality Materials: Made of 100% high grade white flannelette cotton cloth material, excellent polishing effect and extremely durable. Non-Slip: These buffing wheel has 1/4" (6mm) hex shaft, can prevent buffing wheel slip during work. Shine your faded wheel: Different shapes and sizes of polishing wheel combination can be used to polishing contours, holes and crevices. Wide Application: Work with most all drills to polishing metal and non-metal products such as manifold, aluminium, stainless steel, copper, wood, chrome, plastics, ceramics, glass, jewellery products etc.</p>	10		
7.	Mandrels- Ring	<p>Precisely machined in tool steel and then hardened to assure accuracy. Laser-etched in 1/4"-size increments from 1-16.</p>	5		

		On the reverse side of the mandrel, there is a second scale for determining shank stock lengths. Grooved model is designed for stone-set rings. Handle is 1" in dia. and overall length is 13".			
8.	Mandrels- Bangle	Manufactured from cast steel, Steel Bracelet Mandrels is hand polished to provide a higher degree of surface finish. Tangs measure 1 3/4" long x 1 1/2" wide x 1 1/4" high approximately. It can be clamped in a bench vise, or fitted into our Mandrel Holder. Overall length is 9". Four 1 3/4" long steps with sectional dimensions of: 2 1/2" x 2 1/4" (63 x 57 mm), 2 1/4" x 2 1/16" (57 x 52.5 mm), 2 x 1 13/16" (51 x 47 mm), 1 3/4" x 1 5/8" (45 x 41 mm)	3		
9.	Dapping & Doming Set	Material: Alloy Steel Complete set for dapping, doming & forming gold, silver, brass, copper 21-Dapping punches ranging in diameter from 3 to 30 mm 10-Round forming rods ranging in diameter from 2 to 24 mm 5-Square forming rods ranging in diameter from 2 to 6 mm 1-45° Forming rod 1-Oval dapping punch 2-1/2" (62 mm) Cube dapping die with 21 depressions, 4.5 to 45 mm 2-3/8" (60 mm) Cube forming die with 12 half-round grooves, 5 flat grooves, and 5 90° grooves 1-1/2" x 8" (37 x 203 mm) die with 17 round depressions, 18 half-round grooves, 3 90° grooves, and 5 oval depressions Miniature anvil.	5		
10.	Jewellers saw Kit	Contains: FRAME, BLADES, LUBE	25		

		<p>SPECIFICATIONS: Throat Depth: 3” Frame Handle: 5” made of wood Frame: Steel - Nickel Plated Jewellers Saw Blades sizes: 2/0 & 2 Swiss made Suitable for working on Gold, Silver, Brass, Copper, Bronze and other metals as well as plastics and plaster. Blades Size: 2/0 FINE Length of Blades: 5.117" / 5-15/128" Thickness: .0103” Width: .0204" Teeth per Inch: 56 Drill Size for Piercing: 75 Blades Size: 2 COARSE Length of Blades: 5.117” Thickness: .0135” Width: .0276” Teeth per Inch: 43 Drill Size for Piercing: 70 1 dozen of Each Size 2/0 and 2 Total 24 Blades and Wax Lube. Recommended make: Thermo/ Eagle</p>			
11.	Blades for Jewellers saw	<p>Jewellers Saw Blades sizes: 2/0 & 2 Swiss made (100 pieces of each) Suitable for working on Gold, Silver, Brass, Copper, Bronze and other metals as well as plastics and plaster. Blades Size: 2/0 FINE Length of Blades: 5.117" / 5-15/128" Thickness: .0103” Width: .0204" Teeth per Inch: 56 Drill Size for Piercing: 75 Blades Size: 2 COARSE Length of Blades: 5.117” Thickness: .0135” Width: .0276” Teeth per Inch: 43 Drill Size for Piercing: 70 1 dozen of Each Size 2/0 and 2 Total 24 Blades and Wax Lube.</p>	200		

12.	Induction Furnace	<p>Electrical Power supply: 230V Single Phase Max. Furnace Power: 3kW Useful Capacity: 500 gm Operating Frequency of converter: <20 KHz Max. Operating Temp.: 1200 degree Celsius KEY FEATURES: Medium frequency which gives high homogeneity of alloys due to stirring of the molten alloy. Easy to access and operate buttons with led display. Programmable power. Improved power factor. The furnace controlled by industry leading arm-7 microcontroller. Programmable melting temperature. Automatic fault detection & display. Fast melting. Minimum maintenance required</p>	1		
13.	Tweezers	<p>Length: 4" Material: Carbon steel</p>	30		
14.	Tweezers	<p>Length: 6" Material: Carbon steel</p>	30		
15.	Tweezers	<p>Length: 9" Material: Carbon steel</p>	20		
16.	Sand casting kit	<p>One Casting Flask, 4" x 2 3/4" x 2"H (Cast iron), delft style casting Borax Powder (Borax Decahydrate) Flux- 250 grams Parting Powder (Fine Calcium Carbonate Powder)- 500 grams Manganese Bronze Casting Metal: 2 kgs Sand (2.5 Kgs) One Crucible Tongs/crucible holder & Two 75mm (3 inch) Ceramic Crucible / Melting Dish Graphite/Carbon mixing Rod: 12 mm diameter and 300 mm long One Brass Sprue Forming Mandrel One Insulating Board of size: 200 mm x 150 mm x 10</p>	5		

		mm One Dust bag			
17.	Assorted Shapes Needle File Set	Sets consist of one each: 5-1/2" Half Round File 5-1/2" Round Edge Joint 5-1/2" Knife File 5-1/2" Marking File 5-1/2" Barrette File 5-1/2" Round File 5-1/2" Slitting File 5-1/2" Square File 5-1/2" Three Square File 5-1/2" Warding File 5-1/2" Crossing File 5-1/2" Equaling File Features knurled handles File Set Type: Swiss Material: High Carbon steel Length: 5 1/2" File Shape: Needle Number of pieces: 12	10		
18.	Epoxy Resin Crystal Clear Kit	Epoxy clear resin A: 1000 grams Epoxy clear resin B: 1000 grams Kit contains- Resin A and B, Four-mixing sticks, Four- plastic measuring cups (100 ml), and 1-one pair gloves	5		
19.	Resin Craft Kit	Silicone Molds for Resin Casting and Keychain Accessories Set for Making Jewellery Necklaces Pendants - Resin Craft Kit 1 set letter and number resin mold, 6 pink assorted keychain pendant molds, 20 key rings, 120 screw pins, 100 jump rings, 12 colour sequins and 1 pin vise with 2 drill bits	5		
20.	Carving wax	Weight: 500 grams Colour: White	20		
21.	Wax Carving tool	12 PCs Stainless Steel Double Ended Wax Carving Tools Double Ended Spatulas / Carvers and Art	10		

		Carving Knife Set (Silver) Material: stainless steel Dual end tools Average length: 6 Inches			
22.	Jewellery Soldering Kit	Tools Included: Butane Torch or EZ Torch Tripod & screen Pickle Pot Silquar® board, 6"x12" Third Hand with tweezers Charcoal Block, 80 x 60 mm Silver solder, easy (7 grams) Silver solder, medium (7 grams) Silver solder, hard (7 grams) Titanium Solder Pik (7 grams) SS Tweezers Copper Tongs Cross-locking Tweezers Head&Shank Tweezers Ring Set Tweezers SS Binding Wire Kool Jool paste Battern's Flux Flux Dispenser Sparex, 70 grams Sable brush	5		
23.	Rolling machine	Type: Rolling Mill Item Type: Jewellery Tools & Equipment Material: Steel Total roller length: 110mm Extention roller length: 33mm Roller diameter: 50mm (2") Flat roller area: 44mm (1.73") Maximum sheet thickness: 5.5mm (4 ga.) Maximum wire thickness: 6mm Seven square grooves: 1, 1.5, 2, 3, 3.5, 5, and 6mm	2		

		<p>Nine half-round grooves: 5.3*1.2mm, 5*1.2mm, 4*1mm, 3.5*1mm, 3*0.9mm, 2*0.8mm, 9.5*1.8mm, 9.1*1.7mm, 7.7*1.5mm</p> <p>Six round grooves: 1.5mm, 2mm, 3mm, 4mm, 5mm and 6mm</p> <p>Gear ratio: 6:1</p>			
24.	Motor buff	<p>Motor power: 0.5 HP</p> <p>Motor Speed: 2800 RPM</p> <p>Power Requirements: 230 V</p> <p>2 Polisher Spindles</p> <p>Gold & Silver Jewellery Polishing Machine/ Polisher Motor Buff</p> <p>Includes 2 Polisher Spindles. 2 Round Brass Brush, 2 Cloth Buff of 30 and 40 Plates, 1 Red Luster, 1 Black Luster</p>	2		
25.	Precision Hand Drill Tools for Jewellery work	<p>Drill Bits Set: 10 sizes of steel drill bits for choosing, 0.8/1.0/1.2/1.5/1.8/2.0/2.2/2.5/2.8/3.0 mm</p> <p>Material: Carbon steel</p> <p>Tip: Pointed tip</p> <p>Length: 120 mm</p> <p>Chuck type: 3 Jaw Chuck</p>	10		
26.	Jewellery plier set	<p>Set include: Needle Nose Pliers, Round Nose Pliers, Chain Nose Pliers, Bent Nose Pliers, and Zipper Pliers (one piece of each)</p> <p>Material: Alloy Steel</p> <p>Size: 9 inches</p> <p>Handle: Metal coated with plastic</p> <p>The surface of the pliers should be smooth and polished.</p>	10		
27.	Jump Ring Tool Opener	<p>Material: Stainless Steel</p> <p>Inner Diameter: 18mm/0.71inch</p> <p>Outer Diameter: 21mm/0.83inch</p> <p>Number of grooves: 4 grooves</p>	30		
28.	Ring sizer	<p>Mandrel material: Aluminium alloy</p> <p>Material of ring sizer set: stainless steel</p> <p>Measuring Range: US sizes of 1-15 and European sizes</p>	5		

		of 41-76 Mandrel size 25cm (9.84 inch) 36 pc ring sizer set Package included: one piece Ring Sizer Mandrel + one piece Ring Sizer Set			
29.	Rawhide mallet	Head Diameter – 2 inches Head Length - 3.5 inches Total Length - 11.5 inches Head Material: made of water buffalo rawhide Handle material: wood	10		
30.	Zigzag machine	Zigzag machine helps to give a zigzag type design on gold or metal strips. Material: Cast iron Each roller contains 60 teeth on each. Adjustable Shue and Handle	5		
31.	Side cutters	Induction-hardened precision cutters (approx. 64 HRC) for all wire qualities Material: High-quality alloy steel Total length: 160 mm Blade length: 22 mm Head diameter: 22 mm Cutting power: Wires up to 19 HRC 3.0 mm Wires up to 40 HRC 2.8 mm Wires up to 48 HRC 2.0 mm Wires up to 59 HRC 1.6 mm	15		
32.	Wire cutters	Material: forged high carbon steel Design: 20-degree angle oblique mouth flat mouth design Handle: Frosted grip Can cut wire upto 12 gauge heat treated cutting edges	15		
33.	Anvil & Bench Peg	Anvil material: hardened tool steel Bench peg: hardwood Maximum Clamp Size: 50mm Clamp type: G-Clamp	10		

		The top of the clamp has a flat smooth surface			
34.	Sanding Paper	Size: 9" x 11" Grit: 800 Uses conditions: Wet/Dry Abrasive Material: silicon carbide Number of sheets: 10 in each pack	30		
35.	Stone Setting Tool Kit	Jewellery Making & Repair Set of stone setting Set of 6 Includes: Jewellers Ring Clamp - Bezel Pusher Flat Face - measures only 1-1/4" - Bezel Roller - measures 4" - Prong Pusher with V cut groove - measures only 1-1/4" - Burhisher Curved Blade: 6" - 150mm - Stone Setting Plier: 5" (Parrot Nose) Tool material: Steel Handle material: wood	10		
36.	Wire/Tube Forming Drawplate	For drawing of circular section wires Material: tool steel Number of holes: 30 (minimum) Range: 3 - 0.5 mm Shape: circle	5		
37.	Wire/ tube Forming Drawplate	For drawing of square section wires Material: tool steel Number of holes: 30 (minimum) Range: 4 - 1 mm Shape: square	1		
38.	Wire/Tube Forming Drawplate	For drawing of Triangular (Equilateral) section wires Material: tool steel Number of holes: 30 (minimum) Range: 3 to 0.5 mm (A) Shape: Triangle	1		
39.	Wire/ tube Forming Drawplate	For drawing of Half round section wires Material: tool steel Number of holes: 30 (minimum) Range: 3 x 1.50 - 1 x 0.50 mm Shape: 50% Half Round	1		
40.	Wire/ tube Forming Drawplate	For drawing of oval section wires Material: tool steel	1		

		Number of holes: 30 (minimum) Range: 6 x 3.60 - 3 x 1.80 mm Shape: 60% Oval			
41.	Wire/Tube Forming Drawplate	For drawing of Star section wires Material: tool steel Number of holes: 20 (minimum) Range: 3 - 1 mm Shape: 5 Point Star	1		
42.	Wire/Tube Forming Drawplate	For drawing of hexagonal section wires Material: tool steel Number of holes: 20 (minimum) Range: 3 - 1 mm Shape: Hexagon	1		
43.	Wire/ tube Forming Drawplate	For drawing of octagonal section wires Material: tool steel Number of holes: 20 (minimum) Range: 3 - 1 mm Shape: Octagon	1		
44.	Ring Mandrel Set & Stand	Three 6" long steel mandrels in three diameters (13, 16, and 19 mm) have steel channels machined into them to prevent movement when Jett Sett is applied and your ring is positioned over the Jett Sett. Or you can use it simply as a set of round mandrels. Provided with an aluminium stand.	5		
45.	Dust Collector Polishing Machine (Double Operate)	Station: Double Power Supply: Single Phase- 230 V AC Bench Motor: 3/4 Hp. 1 Phase Blower Motor: 1.5 Hp Suction Power: 250 CFM/Station Filtration Bags: 16 Pockets Outer body: MS. Powder Coated. Features: * Inbuilt silencer for noise reduction. * DOL Starter. * Strong Suction Motor. * M.S. Powder Coted top with 2 nos of drawers.	2		

		<ul style="list-style-type: none"> * Aerodynamically designed M.S. hood. * PL light with toggle switch on the hoods. * Foot shaker lever for dusting the dust in tray. * Pocket cloth filters of 10 micron. 			
46.	3 In one Vacuum Casting Machine	<p>14" Powder Investment Chamber 4" Casting Chamber 1 Kg. Gold Melting, Metal Melter with Digital Temp. Controller Rang. 0 to 1200°C 300 I 225 Ur. Vacuum Pump. Transformers 20/40 Amp. For Metal Melter Total Electricity Wattage 1 Kw Features: 300 I 225 Liter 2 Stage High Vacuum Pump for instant and powerful vacuum. Powerful 1.5 hp single phase ac motor Heavy gauge vacuum tank. Hydraulic fitting vacuum pipe line</p>	2		
47.	Burnout Furnace Digital with Stand	<p>Heating chamber Size: 15"x15"x15", (L x W X H) Flask size: 4" x 7" Number of flasks: 9 + 9 pieces Digital automatic thermocouple control system Capacity: 3 kg Power: 6 Kw. Housing: Totally Stainless steel With stand.</p>	2		
48.	Vulcanizing machine	<p>Digital Temperature Controller & limer. Plate size - 6"x 8" I 8" x 8" Temp.-0 to 300°C 230v, A.C./50Hz, 1 Kw Four Pillar Type</p>	2		
49.	Digital Wax Injector	<p>With Digital Temperature controller Double nozzle for two Operators Wax pot cap.2Kg 230v, AC I 50Hz, 1 Kw With foot pump Opt. (Type Round I Box)</p>	2		

50.	Double Head Rolling Mill	Roll Width x Diameter: 6 mm x3 mm Max. Aperture of Roll: 38 mm Wire Grooves From-To: 0.75-10 mm Max. Sheet Width MM 100 Motor HP: 3	1		
51.	Metal melting unit (Furnace)	Gold Capacity: 1 Kg Crucible size: 65x65 mm KW Power: 1.90 In put voltage: 230V AC. Outer body: MS. Powder Coated. Features: * Inbuilt heat reduction system. * Digital temp control. * Very fast melting & save power and time *High Graded Silicon Carbide Rod for Fast Melting *Auto On-Off on Pre-set Level to Maintain Temperature *Play a Buzzer When the Temperature Reaches a Pre-set Level *Approx Melting Time: 10-12 Minutes *No Metal Loss	2		
52.	Multipurpose weighing scale	Money Calculator weighing scale 20kg Capacity, Accuracy: 2 grams, SS Platter size: 250*300 mm, this scale is used for money calculation application. It has 3 displays. 1st Window displays Weight of the product placed. 2nd displays the unit price and 3rd displays the total Price. It can also be used for Checking weighing or price computing purpose.	1		
53.	Electroplating Machine	Transformer, Plastic tub Material: Carbon Steel Phase: 3 Phase Automation Grade: Automatic Voltage: 220-380 V Frequency: 50-60 Hz Power Source: Electric	1		
54.	Ultrasonic cleaning	Stainless steel body	2		

	machine	<p>Tank size: 16"x10"x10" Power: 1000 watts Heater capacity: 1500 watts Liter capacity: 25 liters Frequency of Operation: 33khz +/- 3khz. High Efficiency Sandwich Type Piezo Electric Transducers Made of Lead, Zirconate & Titanium. Electric digital control system Ultrasonic multi-stage solvent cleaning systems: 1) Pre - cleaning, 2) Ultrasonic immersion cleaning, 3) Vapor rinsing, 4) Drying, 5) Continuous distillation.</p>			
55.	Digital weighing scale	<p>For weighing precious metal Max weighing capacity 100 gm Weighing accuracy: 0.01 gram Features: Compact Design. Over Load Protection. Digital Auto Calibration. High internal resolution Measures in gram and carats</p>	1		
56.	Muffle furnace (Kiln)	<p>Temp up to 1150 degree Chamber size 5"x5"x10" Rating 3 KW, Digital Automatic thermocouple control system</p>	2		
57.	Silicone Mold Making Kit	<p>Mold making kit for casting of Resin, candle wax, plaster, clay and soap art Clear resin A: 500 grams Clear resin B: 500 grams Kit contains- Translucent Resin A and B, Four-mixing sticks, Four-plastic measuring cups (100 ml), and 1- one pair gloves</p>	5		
58.	Magnetic Polisher	Specification:	2		

		<p>Electrical supply: 1 phase, 230v AC, 50Hz Wattage: 750 watts Motor with Drive: 1 HP. AC. Speed: 0 to 2800 RPM. Motor H.P.: 1 HP. AC. Media: Magnetised pins 0.5 mm With media Imported Magnet (Ring Type): 8 nos. Features: * Works on magnetic and rotary principle. in reverse and forward direction. * Gives shine to pieces at almost no loss. * Eliminates 90% need of semi-polishing of Jewellery pieces</p>			
59.	Portable Fiber Laser Marking Machine	<p>Laser Type: Pulsed Fiber Laser Laser average output power: 20 W - IPG Wavelength: 1064 nm Output Power Stability (Typical): 5% Power Adjusting Range: 1 ~ 100 % Resolution Frequency: 20-80 KHz Beam Quality (M²): < 1.6 Max. Linear Speed: 8000 mm/s Marking Depth: 0.01~0.3 mm (Material Depended) Red Alignment Laser: Yes Min. Line Width: 0.03 mm Marking Area: 150 x 150 mm standard Working table (stage): 300 mm X 300 mm Remote based Up Down Load Capacity: up to 500 kg Max Up Down: 300 mm Min. Character Height: 0.2 mm Repetition Accuracy: 0.2 µm Supporting Files (SVG / DXF / DWG/ PLT / JPEG / BMP / PNG) Cooling system: Air Cooling System Ambient Temperature Range: +15° to +25°C Foot Switch: Yes</p>	1		

		<p>PC Computer System – i3 Power Supply: 220V / 50Hz Applicable Materials: Any metal materials (including precious metals), engineering plastics, electroplating materials, coating materials, coating materials, plastics, rubber, epoxy resin, ceramics, and other materials. Applicable range: Jewellery, watches, phone keypad, plastic translucent keys, sanitary ware, tools, accessories, knives, glasses, auto parts, luggage buckles, cookware, stainless steel products and other industries.</p>			
60.	Laser Welding Machine 230 Watt	<p>Max Power: 230 W Wave Length: 1064 MM Type Of Laser: Nd:Yag Pump Source: Xenon Lamp Max Single: Pulse Energy 90 J Pulse Width: Ms 0.1-20 Frequency Hz: 0-100 Solder Joint Size: 0.2-2.0mm Max Welding Depth: 1mm Cooling Type: Water Cooling Power System: 7kw Power Requirement: 220v Accessories: Fume Extractor (Dust Collector), Vise for Laser Marking & Cutting, and Rotary Laser Marking Attachment</p>	1		
61.	Bench Multi Grinder, Polisher, & Flexshaft	<p>The Multi Grinder is 3 motors in one: a bench grinder with wheel guards and eye shield, a polishing motor (buffs are made specially for this motor), and a flexshaft. The flexshaft consists of a no. 30 style handpiece with a Jacobs-style chuck that holds attachments up to 5/16" in diameter, and a 36" flexible shaft and sheath. The 1/8 HP motor has a speed range of 1,000 to 10,000 RPM. Can be bolted to your bench for greater stability. Furnished with handpiece with chuck key, flexible shaft, a stone wheel, and a</p>	2		

		compressed fiber satin wheel, both 3" dia. X 3/4" wide. Muslin, cotton, and felt buffs sold separately. Wrenches, chuck key, and replacement carbon brushes are included. Measures 10" wide x 5" deep x 6" high. 110 volts, 300 watts.			
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Hand Tools & Machinery for Leather Workshop- Annexure-III

Name of Bidder _____

Address _____

Contact No _____

Email _____

Sr. No.	Particular	Detailed specification	Qty Required	Budgetary Quotation INR Per Unit with attached reference images/ links (if any)	Make & Model
1.	Flat bed*	Suitable for leather & synthetic material stitching and fabric also) Max. sewing speed: 4,000sti/min* (for stitch length less than 5mm) 3,500sti/min* (for stitch length up to 7mm) Max. stitch length: 7mm (normal/reverse feed) Needle bar stroke: 35mm Lift of the presser foot: By hand- 5.5mm, By knee- 13mm Needle (at the time of delivery): DB×1(#21)#16~#23 or DP×5 Presser foot: Fluorocarbon resin presser foot Feed dog: 3-row Hook: Automatic-lubricating full-rotary hook Lubrication: Automatic Provided with sturdy frame structure	10		
2.	Zigzag flat bed*	Suitable for leather & synthetic material stitching and fabric also) Type: With automatic thread trimmer	1		

		<p>Max. sewing speed: 2,000 sti/min*</p> <p>Max. stitch length: 6 mm (normal / reverse feed)</p> <p>Zigzag width: Max. 8 mm (adjustable to 10 mm)</p> <p>Zigzag width adjustment method: By dial</p> <p>Needle bar stroke: 35 mm</p> <p>Lift of the presser foot: By knee lifter- 13 mm</p> <p>By hand lifter- 6 mm</p> <p>Thread take-up: Link type</p> <p>Hook: Horizontal-axis full-rotary double-capacity hook</p> <p>Needle (at the time of delivery): SY1906 Nm90~110 (standard Nm110)</p> <p>Thread: #50~#8, B33~B92, Nm=120/3~30/3</p> <p>Lubrication: By an oiler (hook: automatic)</p> <p>Distance from needle to machine arm: 295 mm</p> <p>Bed size: 477 mm×178 mm</p> <p>Automatic reverse feed function: Provided as standard</p> <p>Provided with sturdy frame structure</p>			
3.	Double needle*	<p>Suitable for leather & synthetic material stitching and fabric also</p> <p>Organized split needle bar mechanism: Provided as standard</p> <p>Hook: Vertical axis 1.8 times large hook</p> <p>Lubrication: Semi-dry / hook section: minute-quantity lubrication (tank system)</p> <p>Max. sewing speed: 3,000sti/min*</p> <p>Distance from needle to machine arm: 120mm (H) × 266mm (W) × 87mm (height)</p>	1		

		of jaw part) Feed system: Needle-feed Max. stitch length: 5mm Needle bar stroke: 33.4mm Thread take-up: Slide type Tensioner: Standard type Thread winder: Built-in the machine head Lift of the presser foot: 7mm (by hand), 13mm (by knee) Oiling method: Eco-oil method (circulation type), Clean oil method Tank capacity: 280cm ³ Lubricating oil: to ISO VG7 Needle: DP×5 (#21) #16~#23 Provided with sturdy frame structure			
4.	Flatbed heavy duty*	Suitable for leather & synthetic material stitching and fabric also Application: Heavy-weight Max. sewing speed: 2,500sti/min* Max. stitch length: 9mm (forward/backward) Needle bar stroke: 36mm Lift of the presser foot: By hand: 9mm, auto: 16mm Auto-lifter: Provided as standard (Pneumatic auto-lifter: AK-147B) Alternating vertical movement: 1~6.5mm Dial for adjustment of alternating vertical movement: Provided as standard Thread take-up: Slide type Hook: Vertical-axis double-capacity hook Needle (at the time of delivery): 135×17 (Nm160) Nm125~Nm180 Thread: #30~#5, B46~B138, Nm=60/3~20/3	2		

		<p>Locus of feed: rectangular feed Needle thread tension box: Dual-tension method Bottom-feed micro-adjustment mechanism: Provided as standard Pitch changing method: By dial Bobbin thread winder: Built on the machine head Knee-lifter mechanism: Built on the machine head Safety mechanism: Provided as standard (reset with the push of a button) Lubrication: Automatic Distance from needle to machine arm: 255mm Bed size: 517mm×178mm Automatic reverse feed function: Provided as standard Compressed air and air consumption: 0.5MPa {5kg/cm²} •0.3Nl/min Power consumption: 550VA Provided with sturdy frame structure</p>			
5.	Cylinder bed- Light duty*	<p>Suitable for leather & synthetic material stitching and fabric also Gauge type: For small articles Max. sewing speed: 2,000sti/min* Max. stitch length: 6mm(Normal/Reverse feed) Needle bar stroke: 36mm Lift of the presser foot: By hand: 9mm, By knee: 16mm Thread take-up: Slide type Amount of alternating vertical movement: 1~6.5mm</p>	2		

		<p>Hook: Vertical-axis 1.6-fold-capacity hook Safety mechanism Needle (at the time of delivery): 135×17 (Nm160) Nm100~Nm180 Thread: #30~#5, B46~B138, Nm=60/3~20/3 Safety mechanism: Provided as standard Lubrication: Centralized oil wick lubrication (hook: by an oiler) Lubricating oil: equivalent to ISO VG32 Distance from needle to machine arm: 255mm Cylinder-bed diameter: φ72mm Automatic reverse feed Function: Provided as standard Provided with sturdy frame structure</p>			
6.	Cylinder bed- Heavy duty*	<p>Suitable for leather & synthetic material stitching and fabric also Max. sewing speed: 2,000rpm Max. stitch length: 6mm (forward/backward) Needle bar stroke: 37mm Lift of the presser foot: By hand: 6mm, By knee: 13mm Thread take-up: Link type Alternating vertical movement: 2~5mm Hook: Horizontal-axis double-capacity hook Needle (at the time of delivery): DP×17 (#21) #14~#22 Thread: #50~#8, B33~B92, Nm=120/3~30/3 Lubrication: By an oiler (hook: automatic) Lubricating oil: equivalent to ISO VG7 Cylinder-bed diameter: φ50mm Distance from needle to machine arm: 270mm</p>	2		

		Automatic reverse feed function: Provided as standard Provided with sturdy frame structure			
7.	Post bed (light duty) *	Suitable for leather & synthetic material stitching and fabric also Type: 1-needle, With automatic thread trimmer Sewing speed: 2,500sti/min* Needle: 134×35 Nm110~160 Standard Nm140 Thread: TEX 50~135 Max. stitch length: 9mm (forward / backward) Stitch adjusting method: By dial Thread take-up: Slide type Automatic reverse feed function: Pneumatic type Needle bar stroke: 36mm Hook: Vertical-axis 1.6-fold capacity hook (latch type) Lift of the presser foot: By hand: 9mm, auto: 16mm Alternating vertical movement: 1~6.5mm Alternating vertical movement adjusting method: Dial DL device: Provided as standard Safety mechanism: Provided as standard Bobbin thread winder: Built in the machine arm Bottom-feedmicro-adjustment mechanism: Provided as standard Lubrication: Centralized tank method* Lubrication with an oiler for the hook section	1		

		Distance from needle to machine arm: 255mm Post height: 161.7mm Bed size: 517mm×178mm Auto-lifter: Provided as standard Provided with sturdy frame structure			
8.	Post bed (heavy duty) *	For leather & synthetic material stitching and capacity of stitching 12 to 15 mm thickness Type: 1-needle Feed system: Bottom-feed Max. sewing speed: 2,500 sti/min* Max. stitch length: 4mm (normal/reverse feed) Needle bar stroke: 36mm Lift of the presser foot: By hand- 7mm, By knee- 10mm Thread take-up: Slide type Hook: Vertical-axis hook Needle (at the time of delivery): DP×5 (#18) #16~#21 Thread: #40~#8, B33~B92, Nm=90/3~30/3 Lubrication: By an oiler Lubricating oil: equivalent to ISO VG7 Post height: 178mm Bed size: 517mm×178mm Provided with sturdy frame structure	1		
9.	Strap cutting machine*	Maximum working area 300mm. Clutch control motor driving. Maximum thickness of cutting 8mm. cutting speed 20min/mtr diameter of knife (inside dia. 20mm, outside dia. 40mm) Different thickness spacers, Teflon roller with three phase	1		

10.	Heat embossing machine*	12" x 12" hot plates with fly wheel clamp, thermostat control system Power: 3 kw	1		
11.	Leather Splitter Machine*	Designed to easily split almost any weight of leather down to your desired thickness, this convenient hand crank leather splitter has an 8" hollow ground blade for precise, even splitting An adjustment lever accommodates almost any leather thickness (3 oz.-14 oz.) Roller bearings provide long life and dependability, making it one of the best leather skiving machines on the market Ready to mount on your workbench Specially-designed by Weaver Leather Supply to provide you with years of dependable service Includes a blade positioning device and instruction sheet	1		
12	Foil and Hot Stamping Machine*	Easy-to-use hot foil stamping machine adds a custom touch to your leather projects Exclusive foil mount makes it easy to convey the stamping foil and flips out of the way when not in use Digital heat control adjusts up to 300 degrees Celsius, giving you the ability to set it to just the right temperature to suit a variety of leathers A 5-1/2" x 5-3/4" sliding feed table features an alignment grid for precise stamping and imprinting Comes with two solid brass one line type holders so you can easily switch between projects	1		

		<p>Compact design of this foil and hot stamping machine takes up less space on your workbench</p> <p>Measures 7-3/4" W (15" W with foil mount) x 8" D x 19" H with handle</p> <p>Stamping Foil and Imprint Sets sold separately</p>			
13.	Brass Imprint Set*	<p>Brass imprint sets are designed to work with our Foil and Hot Stamping Machine</p> <p>Adds a custom touch to your leatherworking projects</p> <p>Includes 67 letters, 30 numbers, 28 symbols and 7 spaces</p> <p>Available in 4.5 mm or 6.0 mm</p> <p>Pair these imprint sets with our Foil and Hot Stamping Machine to customize your leather projects. With 67 letters, 30 numbers, 28 symbols and 7 spaces, these sets enable you to create just the right personalized touch to meet your needs.</p>	2		
14.	General Purpose Aerosol Glue*	<p>Ideal for: Leather, Webbing, Foam Rubber, Urethane Foam etc</p> <p>500 ml</p>	5		
15.	Glue Pot with brush*	<p>Heavy-duty aluminum pot has a 25 oz. capacity and is designed to resist tipping</p> <p>Cone-shaped opening is sealed with a reverse self-centering cone that's attached to the brush stem</p> <p>Cones are coated with Teflon® to help prevent the accumulation of cement</p> <p>Brush included with glue pot</p>	2		
16.	Minimalist Wallet Clicker Die Set*	<p>Handcraft a simple minimalist wallet with this clicker die set that will save you lots of time</p>	2		

		<p>Pre-sharpened steel die set in a 4 mm thickness with a 1-1/4" height for precision clicking</p> <p>On-trend minimalist design for those who like to travel light</p> <p>Reduces cutting time so you can focus on the finishing touches</p> <p>Finished wallet measures 4" W x 2-1/2" H and features three slots</p>			
17.	Teardrop Earring Clicker Die*	<p>Material: HSS</p> <p>Set of 2 different sizes: Size: 2" and 2-5/8"</p> <p>Create pretty teardrop earrings that are on-trend right now with the help of this convenient clicker die</p> <p>Pre-sharpened steel die in a 4 mm thickness with a 1-1/4" height for precision clicking</p> <p>Modern, minimalist earring style</p> <p>Reduces cutting time so you can focus on the finishing touches</p>	2		
18.	Key Fob Clicker Die set*	<p>Material: HSS</p> <p>Set of 2 different die: Style: Round and Rectangle</p> <p>Handy steel clicker die is great for transforming leather scraps into a stylish, functional key fob</p> <p>Pre-sharpened steel die in a 4 mm thickness with a 1-1/4" height for precision clicking</p> <p>Finished round key fob measures 2-1/2" long without ring</p> <p>Finished rectangle key fob measures 3-1/2" long without snap</p> <p>Reduces cutting time so you can focus on the finishing touches</p>	2		

19.	Circular Clicker Die set*	<p>Material: HSS</p> <p>Set of 3 different sizes: 1", 2" and 3-5/8"</p> <p>Cut out precise circles with ease with this handy clicker die</p> <p>Pre-sharpened steel die in a 4 mm thickness with a 1-1/4" height for precision clicking</p> <p>Reduces cutting time so you can focus on the finishing touches</p>	2		
20.	Hydraulic Bench Press*	<p>Universal press is designed for clicking, embossing, blind and back pad mold pressing, blind cheek and uptug molding, rope clamp assembly and more</p> <p>A great machine for harness makers and saddle makers</p> <p>Hand-operated design is great for light duty clicking</p> <p>Compact design takes up minimal space on your workbench</p> <p>Dies interchange with bolts on top and bottom</p> <p>Has a compact 6" x 22" footprint</p> <p>Maximum Open Height: 9-1/2"</p> <p>Width Between Posts: 14"</p> <p>Hydraulic jack has a 12-ton capacity</p>	1		
21.	Cordless Cloth Cutter*	<p>Versatile, lightweight design cuts single-ply fabrics up to 1" thick with ease and precision</p> <p>Battery-operated with a servo motor and five speed settings so you can adjust blade speed from 600 RPM to 1,400 RPM</p> <p>Professional grade machine perfect for leather, cotton, denim, canvas and more</p> <p>Powered by 14.8V lithium-ion battery with a two-hour runtime between charges</p>	1		

		<p>Built-in sharpener guarantees a sharp edge with every cut</p> <p>Adjustable front knife guard for safe operation</p> <p>Lightweight, aluminum base plate for smooth cutting</p> <p>Includes:</p> <p>Two 14.8V lithium-ion batteries with a charger</p> <p>Blade key</p> <p>Extra sharpening stone</p> <p>Allen key</p> <p>Grinding paper</p>			
22.	Round Knife*	<p>Blade material: hand-forged 440C steel blade</p> <p>Handle material: wooden</p> <p>Blade length: 4-7/8" from point to point. ergonomically-designed</p> <p>Heat treated blade</p>	30		
23.	Skiving Knife*	<p>Cutting edge length: 12 mm</p> <p>Blade material: Yasuki Aogami #2 steel</p> <p>Handle material: wooden</p> <p>Two-ply steel</p> <p>Ergonomic design</p>	30		
24.	Handle Swivel Knife*	<p>Blade material: hand-forged 440C steel</p> <p>Handle: soft rubber grip</p> <p>Ergonomic design</p> <p>interchangeable straight blade</p> <p>adjustable yoke height</p>	30		
25.	Bevel Point Knife*	<p>Blade material: hand-forged 440C steel blade</p> <p>Handle material: Lacquered hardwood handle</p> <p>Ergonomic design</p>	30		

26.	Hair Blade Tool*	Blade material: hand-forged 440C steel blade Length: 126mm (4-31/32") Width: 15mm (19/32") Handle: ergonomic rubber handle One fine and one coarse blade	30		
27.	Art Knife with Blades*	Blade material: Carbon steel Handle: 5-1/2" Handle: plastic Knurled brass barrel Five blades are included	30		
28.	Cushion Grip Snap Off Knife*	Overall Length: 6-1/4" Blade material: Carbon steel Handle: ergonomic plastic handle Blade has a triple honed edge	30		
29.	Cushion Grip Knife with Blades*	Overall Length: 6-1/4" Blade material: Carbon steel Handle: ergonomic plastic handle Quick-spin blade holder for easy blade changes Bottom of knife is slightly weighted to give you balance and stability Includes four blades: two Precision Blades, one Chisel Blade and one Curved Carving Blade	30		
30.	Sharp Point Knife*	Blade measures 5/8" wide x 3-5/8" long Blade material: Carbon steel Handle material: Ergonomic Lacquered hardwood handle Heat treated steel blade	30		
31.	Rotary Cutter*	Blade material: Hardened steel Cut leathers up to 8/9 oz 45 mm razor sharp blade Handle: ergonomic plastic handle	30		

		Scale marking on the tool blade			
32.	Craftsman Trimming Knife*	<p>Handel: wooden</p> <p>Blade material: Carbon steel</p> <p>Handy knife choice for trimming thread, cutting out patterns and fine trim work</p> <p>Accommodates both straight and curved blades</p> <p>Features a custom turned hardwood handle with solid brass jaws and ferrules</p> <p>Fits comfortably in your hand for easier trimming and cutting</p> <p>Includes one straight and one curved blade</p> <p>Blades are corrosion-free</p>	30		
33.	Skive Knife with removable blades*	<p>Body: powder coated steel</p> <p>Blade: Carbon steel</p> <p>Contoured skiving tool</p> <p>Comes with three blades</p> <p>Contoured skiving tool horizontally splits your leather for the perfect weight every time</p> <p>Easily skive belt ends and keepers to the perfect thickness</p> <p>Can be used to taper the edges of your project for a smooth meet</p> <p>Curved blade allows you to make big cuts or small, fine cuts</p> <p>Comes with three blades that are easy to replace</p>	30		
34.	Corner Knife set*	<p>Set contains: 4 mm, 9 mm, 15 mm, 25 mm, 30 mm, and 40 mm knives</p> <p>Handel: wooden</p> <p>Blade material: Yasuki Aogami #2 steel</p> <p>Ergonomic grip</p>	25		

		Two-ply steel			
35.	Thread Nipper*	Cutting blade material: Stainless steel Length: 4 inches Handles are moulded for maximum comfort Can be taken apart and sharpened	30		
36.	Leather Cutting Scissor	Overall length: 8 inches Cut your leather, nylon and heavy industrial materials with ease Chrome plated, blunt point, knife edge leather shears Very sharp!	30		
37.	End Nipper*	overall length: 14 inches Material: carbon steel Perfect for removing unwanted spots, snaps and rivets from projects Coated handles ensure a comfortable grip	30		
38.	Leather Cutting Scissor	Overall length: 10 inches Material: High carbon steel Cut your leather, nylon and heavy industrial materials with ease Quality constructed with a molded handle, allowing you to work for hours in comfort Very sharp!	30		
39.	Universal Cutter*	Overall length: 10 inches Blade Material: High carbon steel Cutting most leather weights is quick and easy Spring mechanism makes this tool gentler on your hands for comfortable cutting during even the longest projects Replacement blades (included) are stored conveniently in the handle Metal body with powder coat	30		

40.	Leather Shears (Heavy duty)	Overall Length: 9 inches Material: High carbon steel Heavy-duty leather shears feature serrated blade edges that help prevent slipping	30		
41.	Roaching Shear	Overall Length: 8 inches The heavy-duty construction Feature stainless steel serrated blades Comfortable black plastic handles Also used for trimming bridle paths on horses	30		
42.	Cutting Nipper*	Overall Length: 6-1/2 inches Blade Material: Carbon steel Features pressed steel handles with a spring return Great for cutting #9 solid copper rivets	30		
43.	Thread Cutterz Ceramic Peel n' Stick Thread Cutter*	Peel n' Stick Thread Cutter mounts to virtually any smooth, flat surface Two-sided ceramic blade cuts from either side Durable, safe and convenient Heavy-duty 3M adhesive included Steel body with powder coating	30		
44.	Master Tool Draw Gauge*	Material: Stainless steel It easily adjusts to keep handle properly positioned. It has an exotic, ergonomic wood handle that twists for easy width adjustment. The comfortable, handcrafted handle is balanced and angled so you can make cuts at any setting with ease, power and confidence. It cuts straps up to 4" wide and the gauge is clearly marked in 1/8" increments.	25		
45.	Replacement Blade for Master	Blade material: High carbon steel Stays sharp through even the heaviest use	50		

	Tool Draw Gauge*	Measures 3/4" wide x 3-7/16" long			
46.	Wooden Strap Cutter*	Adjustable thickness bar, allowing you to easily adjust cutting thickness for all types of leather Cross bar is marked in inches and centimetres for ease in cutting leather straps up to 4" or 10 cm wide Blades are easy to replace for clean, perfect straps with every cut Comes with five blades Blade material: High carbon steel	30		
47.	Lace Maker*	Cuts uniform 1/8" or 3/16" strips of leather up to 7 oz.	20		
48.	Lace Strander*	Constructed from chrome plated cast steel with solid brass parts This deluxe tool adjusts to cut lace, thongs and strips up to 1/2" wide A must for rawhide leather braiders	20		
49.	Leather Lace Cutter (Bench mount) *	Efficiently cut up to 24 leather strips at a time Instant fringe, lace strips, belts and straps Cuts 1-24 strips at a time from 1/8" to 3" wide Cuts leather up to 10/12 oz. in thickness to any length Includes 5 blades (made of HSS) Blades can be reversed when dull and are easily replaced	10		
50.	Hand-Operated Strap Cutter*	Perfect for smaller leather cutting projects, this machine will save you time Gives your straps, from belt blanks to strap goods, a uniform, professional appearance Designed and manufactured by Weaver	5		

		<p>Leather Supply for reliable performance Strap cutter's 8" design features a table and roll that adjust together Handle can be mounted in two positions; one for higher torque, lower speed applications and one for lower torque, higher speed applications Thoughtfully-designed for easy access and maintenance Roller bearings provide trouble-free operation Can be portable or mounted to a workbench Ends remove easily for quick changes of blades and spacers Has the ability to cut 1/8" laces with the use of the 1/16" spacers between the blades Comes set-up for 1" straps with eight 1" spacers and eight blades</p>			
51.	Motorized Strap Cutter*	<p>The machine will not run without the guard in place as an extra safety precaution The 220-volt, 1,725 rpm clutch type motor with 1/2 hp features an on/off switch and a plug in for a 15–20-watt light Comes complete with a 16-1/2" D x 23-1/2" W x 39-1/2" H stand that will need mounted to the floor Gives your straps, from belt blanks to strap goods, a uniform, professional appearance Designed and manufactured by Weaver Leather Supply for reliable performance Strap cutter's 8" design features a table and roll that adjust together Thoughtfully-designed for easy access and maintenance</p>	1		

		<p>Roller bearings provide trouble-free operation</p> <p>Ends remove easily for quick changes of blades and spacers</p> <p>Has the ability to cut 1/8" laces with the use of the 1/16" spacers between the blades</p>			
52.	Lace Master*	<p>Adaptable to right or left-handed use</p> <p>Increases productivity and yield by cutting from discs or strips</p> <p>Uses inexpensive single-edge razor blades</p> <p>Bevels at 30 and 45 degrees</p> <p>Mounts to workbench</p> <p>Lace Master comes with everything you need to get started including 100 blades</p>	5		
53.	Tri-Hone Sharpening System*	<p>Knobs offer easy stone rotation</p> <p>One-piece molded base has a v-trough to catch oil drippings</p> <p>Comes with three 1-5/8" x 6" Arkansas stones in different grits</p>	2		
54.	Leather Skiver (Heavy duty) *	<p>Extra heavy-duty 8" blade is thicker to eliminate warping.</p> <p>Blade material: High carbon steel</p> <p>Hardened and ground blade for durable performance.</p> <p>Twist handle setting for precise leveling or lap skiving.</p> <p>Benchtop mount on bolt</p> <p>Cast iron body</p> <p>Lacquer finish wooden handle</p>	2		
55.	Artisan Tool Caddy*	<p>Ample storage keeps a wide range of leathercrafting tools at your fingertips</p> <p>Removable plastic organizer is great for storing spots, rivets, grommets, crystals and other small items</p>	4		

		<p>Unique foam insert design gives you the versatility to hold stamping tools with shanks of varying diameters</p> <p>Round magnet on right side of caddy provides easy access to needles, blades and small knives</p> <p>Durable handles</p> <p>Treadplate design with a hammered Gray industrial finish</p>			
56.	Weaver Rotary Punch*	<p>Ergonomic comfort grip</p> <p>Rapid size changes with a six-in-one carousel that holds 2.0 mm (5/64"), 2.5 mm (3/32"), 3.0 mm (1/8"), 3.5 mm (9/64"), 4.0 mm (5/32") and 5.0 mm (13/64") tubes</p> <p>A 1.5 mm (1/16") tube available for purchase separately</p> <p>All size tubes are replaceable with our Punch Replacement Tubes (65901-)</p> <p>Punches precise holes in various materials for stitching, lacing, hardware and more</p>	15		
57.	Card Slot Punch*	<p>Slot size: 87mm with a 3-7/16"</p> <p>Material: Stainless steel</p> <p>Quickly and easily punch multiple slots at one time, increasing productivity on wallet and badge projects</p> <p>Great for punching both vertical and horizontal</p>	25		
58.	Card Slot Punch*	<p>Slot size: 57mm with a 2-1/4" slot size</p> <p>Material: Stainless steel</p> <p>Quickly and easily punch multiple slots at one time, increasing productivity on wallet and badge projects</p> <p>Great for punching both vertical and horizontal slots</p>	25		

59.	Single Tube Spring Punch set*	Highly-polished, forged steel frame Fitted with replaceable, hand-turned screw tubes The reach, the distance from the cutting tubes to the back of jaw, is 1-1/2" Available in sizes 1-10 Set of 10	5		
60.	Point Strap End Punch Set*	Punch Sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4" and 2" (Represents shape of punch, not actual size) Material: High Carbon steel complemented with a free display board to keep your tools organized in a well-fashioned manner Wood display board hooks over two nails on your bench Basketweave stamped leather strap and wood ledge keep punches in place Set of 11 punches	5		
61.	Round Strap End Punch Set*	Punch Sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4" and 2" (Represents shape of punch, not actual size) Material: High Carbon steel complemented with a free display board to keep your tools organized in a well-fashioned manner Wood display board hooks over two nails on your bench Basketweave stamped leather strap and wood ledge keep punches in place Includes 11 punches	5		
62.	Hole Punch Set*	Tubes sizes: 5 (3/32"), 6 (7/64"), 7 (1/8"), 8 (5/32"), 9 (11/64"), 10 (5/16") Material: High Carbon steel	5		

		<p>Heavy-duty hole punch set features a steel handle and six assorted punches Tubes measure 1" long to shoulder with straight threads that go all the way to the shoulder. Great for use on leather, nylon and coated webbing. Set of 6 punches</p>			
63.	Oblong Punch Set*	<p>Punch Sizes: 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4" and 2" Material: Stainless steel complemented with a free display board to keep your tools organized in a well-fashioned manner Wood display board hooks over two nails on your bench Basketweave stamped leather strap and wood ledge keep punches in place Includes 10 punches, one of each size of our Master Tool Oblong Punches Set of 10 oblong punches</p>	5		
64.	Belt Punch Set*	<p>Punch Sizes: 1/8", 5/32", 11/64", 3/16", 7/32", 1/4", 9/32", 5/16", 3/8", 13/32" and 7/16" Material: Carbon steel Set of 11 Belt Punches All one piece, offering added strength and durability Ready to use immediately, these punches feature hardened, sharpened and polished cutting edges and flattened striking surface</p>	2		
65.	Oval Drive Punch Set*	<p>Punch Sizes: 3/16", 7/32", 1/4", 9/32", 5/16" and 3/8" Material: Carbon steel</p>	2		

		<p>All one piece, offering added strength and durability</p> <p>Ready to use immediately, these punches feature hardened, sharpened and polished cutting edges and flattened striking surface</p> <p>Set of 6 Oval Belt Punches</p>			
66.	Self-Centering Guide for Punches*	<p>This guide allows you to center holes and maintain a consistent space between holes</p> <p>Will accommodate straps 1/2" wide to 3" wide</p> <p>Features a 7/16" hole and a 1/2" hole for different size punches</p> <p>The 7/16" hole will accommodate Belt Punch sizes 2, 4, and 5</p> <p>The 1/2" hole will accommodate Belt Punch sizes 6, 7, 8 and 9 and Oval Drive Punch sizes 5, 6, 7 and 8</p> <p>Material: steel</p> <p>Metal measuring rod makes it quick and easy to get equal space between holes</p>	5		
67.	Concho Cutter set*	<p>Size: 2", 1-3/4", 1-1/2" and 1-1/4"</p> <p>Made of hardened steel with polished edges, this premium quality concho cutter has tapered inner and outer walls that clear easily and give you clean, precise cuts</p> <p>Feature handles that are welded directly above the punch for added strength and durability</p> <p>No sharpening needed- it is ready-to-use immediately</p> <p>With hardened, sharpened and polished cutting edges, and flattened striking surfaces, this concho cutter will give you a lifetime of dependable service</p>	2		

68.	Concho Cutters set- Clicker Style*	Size: 2", 1-3/4", 1-1/2" and 1-1/4" long-lasting sturdy tool Made of hardened steel with polished edges, this premium quality concho cutter has tapered inner and outer walls that clear easily and give you clean, precise cuts No sharpening needed- it is ready-to-use immediately With hardened, sharpened and polished cutting edges, this concho cutter will give you a lifetime of dependable service	2		
69.	French Edger set*	Size: 1/4", 3/8" and 1/2" Material: Hardened steel Handle: Hardwood maple hand-turned handle Wooden handle fits comfortably in hand for power when making long cuts and cutting heavy leather Precision sharpened tips are ready-to-use Polished, sharpened edges for the most precise cuts Set of 3 pieces	5		
70.	Edge Beveler set*	Set of 3 pieces Size: 1/32", 3/64", 1/16" and 7/64" Material: Hardened steel Handle: Hardwood maple hand-turned handle Wooden handle fits comfortably in hand for power when making long cuts and cutting heavy leather	5		
71.	Bissonnette Edger set*	Set of 3 pieces Size: 7/64", 9/64" and 11/64" Material: Hardened steel Hardwood handle with brass ferrule	5		

		<p>Push or pull to bevel edges quickly Fully polished, bent shank</p>			
72.	EZ Edge Strap Beveler Machine*	<p>With 12 cutting blades (6 on each side), the blades can be rotated and switched to the opposite side so you don't need to re-sharpen as frequently Bottom blades can be dropped down if you want to edge the top two edges only Hand-operated, thoughtfully-designed machine will not reduce strap width Accommodates 1/2" to 3" strap widths Rotating the blades and switching the side the roll is on helps reduce the need to sharpen as frequently Included blades in sets of two (size 0, 1, 2, or 3)</p>	1		
73.	Wood Leather Slicker*	<p>Quickly and easily slicks leather edges Can be used by hand or chucked in a drill for power slicking Features a natural oil that aids in slicking Features grooves that accommodate 4-8 oz., 8-10 oz. or 10-14 oz. leather Slicker design developed by a custom saddle-maker Made from Cocobolo Rosewood</p>	20		
74.	Power Edge Burnisher*	<p>Includes a wooden roller, a sanding roller (80 grit), a belt guard, an on/off switch and a base that can be mounted to your workbench The shaft is 3/4" wide with a 19" overall length Sanding roller is 4-1/2" wide Features a 1725 RPM motor Get that professional high gloss edge in a fraction of the time spent doing it by hand</p>	2		

		<p>with this motorized leather edge burnishing machine</p> <p>Designed to be mounted to the edge of your workbench, this burnishing machine has a 45-degree angled arm for the rolls so they come out past your bench for easier use</p> <p>Gives all edges of your project a smooth finish for a professional end result</p> <p>Convenient motorized design gives you fast results without all the elbow grease!</p> <p>Wooden roller is used for final leather burnishing to achieve a high gloss look</p> <p>Sanding roller is used to clean up rough leather edges and other sanding applications</p>			
75.	Tiger Thread set*	<p>Finely-braided 100% polyester thread is lightly waxed and perfect for hand sewing</p> <p>Thread: 0.6 mm, 0.8 mm, 1.0 mm and 1.2 mm in each size</p> <p>Colour: Beige, Black, Blue, Mid Brown, Beetroot, Cream, Green, Blue Granite, Havana Cigar, Hunter Green, Orange, Pink, Purple, Royal Blue, Red, Silver, White, and Yellow</p> <p>Length: 50-meter spool of each colour and size</p> <p>Set of 144 pieces</p>	1		
76.	Battery-Operated Thread Burner	<p>trims, burns or melts thread with the simple press of a button.</p> <p>Ideal for leathercraft, bead-weaving, stringing projects and more.</p> <p>Battery-operated design</p>	5		
77.	Thread Trimming & Wood Burning Tool*	<p>Tool features a hot metal tip that burns thread to make trimming stray threads a breeze</p>	5		

		Wood handle remains cool Features 5-1/2' cord Also great for wood burning applications			
78.	Thread Lube Box*	Magnetic base attaches to almost any sewing machine for lubricating your thread Great for use with thread lubricant	20		
79.	Sewing Palm, Right-Handed*	Material: leather The vinyl bound iron thimble protect your fingers from getting sore when sewing	30		
80.	Repair Needle Pack*	A convenient pack to keep on hand for quick and easy repairs Various sizes to accommodate thread, sinew and cord Nickel plated Includes 5 needles	30		
81.	Saddler's Harness Needles set*	18 (1/0), Length: 57 mm, Diameter: 1.09 mm" 17 (2/0), Length: 60 mm, Diameter: 1.42 mm" 16 (3/0), Length: 62 mm, Diameter: 1.63 mm" Nickel plated Pack of 25 pieces of each size For use on all hand stitched leather craft work as well as harness and saddle repairs With a large rounded and pointed design	5		
82.	Lacing Needle Set*	Lacing needles feature two prongs that grip lace securely Holds 2 mm and 3 mm flat lace Measure 2-1/4" long Two-pronged steel lacing needles make lacing bags, wallets, moccasins and other leather crafts a breeze	20		

		Nickel plated Pack of 10			
83.	Half Moon Collar Needle set*	Size: 3-1/2" and 5" Material: Steel Nickel plated Ergonomic design and finish	30		
84.	Sewing Needle*	16-gauge needle is 2-3/8" long Triangular sharp point Nickel plated For use with size 277 thread Ideal for sewing and repairing leather, canvas, sails and similar materials Sold per packs of 25	10		
85.	Diamond Stitching Chisel Set*	3 mm set includes: 2 prongs, 4 prong, and six prong tools 4 mm, 5 mm and 6 mm sets include: 1 prong, 2 prong, 4 prong and 6 prong tools Material: carbon steel 3 mm: 9 stitches per inch 4 mm: 7 stitches per inch 5 mm: 6 stitches per inch 6 mm: 5 stitches per inch Punch perfect holes for hand sewing and saddle stitching leather Quality-made leather stitching chisels feature a precise, diamond shape for quick, effortless punching Set of 15 pieces	5		
86.	Hand Stitching Groover*	Material: stainless steel Handle: Ergonomic plastic handle Freehand-style groover Sharp blade cuts a channel for your stitches to sit in	20		

87.	Collar Awl*	Overall Length: 10" Blade material: steel Handle: wooden ergonomic handle Riveted tang Perfect for heavy laces	20		
88	Heavy-Duty Scratch Awl*	Awl Length: 3-1/2" Blade material: steel Handle: wooden ergonomic handle Sharp-pointed tempered blade Perfect for piercing leather, sewing, and a variety of your other projects	20		
89	Lacing Awl*	Overall Length: 6-3/4" Awl Length: 2-1/2" Handle: wooden ergonomic handle Sharp-pointed tempered blade Right choice for lacing your smaller objects	20		
90	Quick-Release Wing Divider*	Opening to a maximum of 4" Material: Carbon steel hardened fulcrum and points wing divider has a knurled quick-spring nut Hardened spring ensures your setting remains accurate Tool is precision ground and polished with a quick and fine adjustment	30		
91	Wing Divider*	Opening to a maximum of 8" Material: Carbon steel Legs have hardened points Nuts on wings are steel Washers are turned brass For measuring, scoring and a variety of other craft applications Durable design features hardened points for precision performance and an adjusting screw for speedy adjustment	30		

92	Stamping Tool- NIFT Logo*	Made from stainless steel for precision stamping and long-lasting performance Approximate Stamp Size: 13 mm (33/64") x 13 mm (33/64")	10		
93	Stamping- Alphabet/Number Set*	Size: 1/4" Material: steel Set of 36 pieces With knurled handle Stamping heads are removable	2		
94	Stamping- Alphabet/Number Set*	Size: 1/8" Material: steel Set of 36 pieces With knurled handle Stamping heads are removable	2		
95	Stamping set- small size*	Set of 30 different motives Material: steel With knurled handle Size: 1/8"	2		
96	Stamping set- medium size*	Set of 30 different motives Material: steel With knurled handle Size: 1/4"	2		
97	Stitching Pony*	Stitching pony keeps leather or fabric securely in place when stitching or lacing Quality made, solid wood stitching pony for dependable performance Measures approximately 15-1/2" L x 3" W x 14-1/2" H when assembled	2		
98	Marble Tooling Slab*	Size: 12" x 12" Thickness: 1-1/2" Elevate your work surface with this premium marble slab for more crisp,	5		

		detailed tooling, stamping, and carving on all your leather masterpieces Sturdy marble slab for leather work A great work surface for a variety of leathercrafting tasks including tooling, carving, setting rivets and more			
99	Poundo Board*	Size: 12" x 24" Thickness: 1/2" Rubber surface absorbs pounding concussion and sound	5		
100	Poly Cutting Board*	Measures: 12" x 16" Thickness: 1/2" High-tech, low-density polyethylene cutting board	5		
101	Rivet & Burr Setters set*	Size: #8, #9, #10, #12, and #14 Material: stainless steel Heat-treated, precision-made tool Set copper rivets and burrs with ease Face edges are carefully rounded to reduce prints in leather	5		
102	4P Snap & Rivet Setter*	Sets the 4P 20-line snaps, 4P 24-line snaps, 2200 double cap rivets, Insta-rivets and 2205 segma snaps with ease Material: steel Extra-long handles Five setters and an anvil with four different sized indentations	5		
103	Metal Roller set*	Set of two pieces Size: Medium, 60 mm and Large, 100 mm Roller material: stainless steel Handle: Comfortable wood handle To apply pressure like when gluing two pieces of leather together	5		

		Heavyweight roller perfect for flattening hand lacing and pressing seams for a professional finished look			
104	Steel Square with Non-Slip Tape*	Size: 12" x 8" Material: steel square backed with non-slip tape The non-slip tape provides great grip that won't scratch the surfaces of your leather projects and helps ensure square stays in place when cutting and marking. The square features easy-to-read marks and numerals.	10		
105	Ox Bone Folder*	Made from genuine ox bone Length: 7 inches This tool creases, burnishes edges, smooths, folds and forms leather with ease.	30		
106	Hand Rougher Tool*	Tool material: Stainless steel Handle material: Plastic handle Angled 10mm stainless steel roughing head Features a sharp, checkered head roughing pattern Helps remove pre-existing deposits and provides a larger surface area for better adhesion	20		
107	Harnessmaker's Combination Anvil*	Material: Cast iron with chrome finish Measures: 11" L x 2-3/4" W x 3-1/4" H Weight: 12 lbs. Countersink holes for riveting hame nails without smashing heads Features a v-groove for raising straps and layers Large cavity to collect rivets that are knocked out	5		
108	Malan Chicago Screw Tool*	Makes chicago screw removal quick and easy	5		

		Material: steel Fully adjustable tool accommodates any leather thickness and features rubberized grippers to keep tool securely in place A roomy hole on one side of the clamp for easy access with a screwdriver Squeeze handles to adjust clamp to the right thickness and use lever on handle to release			
109	Steel Square*	Size: 12" x 8" Material: steel square backed The square features easy-to-read marks and numerals.	20		
110	Grommet Kit*	Size: 1/4" Kit includes hole cutter, inserting die, inserting base, wooden block and 24 solid brass grommets with washers	5		
110	Grommet Kit*	Size: 3/8" Kit includes hole cutter, inserting die, inserting base, wooden block and 24 solid brass grommets with washers	5		
111	Adjustable V-Gouge*	Gouge Gauge: 3/16" Handle: wooden Material: steel V-shaped gouge is ideal for making sharp right-angle folds for use on your notebooks, cases, handbags, and more Features an adjustable depth setting	5		
112	Center Ruler	Material: stainless steel Length: 18" Simply position the ruler so you have the same reading on both the left and right sides of your project and the center will be at the zero mark on the ruler Feature inch scales to 1/16" on the top edge	30		

		and to 1/32" on the bottom edge Measures 18" (from 0 to 9" on the left and right)			
113	Leather Thickness Gauge*	Throat: 3/4" With dial gauge Metal body Least count: 0.1 mm A 3/4" throat that measures leather from 1 to 10 oz. in millimetres and ounces	2		
114	Rein Rounder with Mounting Feet*	Holes: 1/4"-9/16" Quality polished stainless-steel frame Mounting feet allow you to securely attach rounder to your workbench For rounding reins, winkers and other leather goods Features nine holes, evenly tapered from 1/4" to 9/16"	2		
115	Lasting Pincers*	Overall Length: 8" Jaw Width: 3/8" Material: 45# steel with a scratch-resistant polished head and enameled handles Lightweight, drop-forged pincers feature box joint and carefully milled teeth	10		
116	Tack Claw Tool*	Drop forged steel blade Handle: hardwood handle Designed for lifting small tacks and nails with ease	5		
117	Duck Bill Pliers	Overall Length: 6" Jaw Width: 1/2" Material: 45# steel with a scratch-resistant polished head and enameled handles	5		
118	Chrome Tanned Water Buffalo Leather*	Colour: Black Average square feet: 14-16 Approximate length: 55"-65"	10		

		Approximate width: 25"-32" 5-6 oz Gauged: Evenly throughout Available cut: Side Grade: TR			
119	Chrome Tanned Water Buffalo Leather*	Colour: Brown Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 5-6 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
120	Chrome Tanned Water Buffalo Leather*	Colour: Chocolate Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 5-6 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
121	Chrome Tanned Water Buffalo Leather*	Colour: Russet Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 5-6 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
122	Chrome Tanned Water Buffalo Leather*	Colour: Black Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 2-3 oz	10		

		Gauged: Evenly throughout Available cut: Side Grade: TR			
123	Chrome Tanned Water Buffalo Leather*	Colour: Brown Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 2-3 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
124	Chrome Tanned Water Buffalo Leather*	Colour: Chocolate Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 2-3 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
125	Chrome Tanned Water Buffalo Leather*	Colour: Russet Average square feet: 14-16 Approximate length: 55"-65" Approximate width: 25"-32" 2-3 oz Gauged: Evenly throughout Available cut: Side Grade: TR	10		
126	Solid Brass Flat Head Rivets with Burrs set*	Set of 3 different sizes Size: 1/2", 3/4" and 1" Finish: Solid Brass Non-rust solid brass rivet Ideal for belts, bracelets, purses, courier bags, halters and more 100 grams of each size	1		

127	Chicago Screws (Plain) set*	Set of 3 different sizes Size: 1/4", 3/8" and 1/2" (Size denotes post length) Finish: Antique Brass Ideal for a full range of leatherworks including belts, bags, cases, bridles and more Includes post and screw Post diameter is 3/16" Grippers lock screws into place for extra security 100 pieces of each size	1		
128	4P Durable Snap*	Finish: Antique Brass Ideal for belts, purses, bracelets, crafts and more #24-line snap Features a 5/16" post Convenient 10-pack All snaps except for solid brass have a plated finish over a steel base	10		
129	Manual Leather Sewing Machine*	Heavy-duty cylinder arm sewing machine stitches from 1/8" to 3/4" leather, nylon and canvas with ease and precision Made from durable, high-quality aluminum, making this machine lighter and more portable Cam-driven system Foot pressure adjustment knob Movable flywheel handle Design improvements include a take up arm and tension bar for more accurate and reliable stitching	1		
130	Hand-Operated Clicker*	Feature: a swivel-away clicker head that allows you to see where you're setting the	1		

		<p>die and offers easier clicking. Holes for easy attachment to the workbench. Handle: 29" long The knurled adjustment knob. A large 3" cam increases your leverage. A great way to use up scrap leather for key fobs, coasters, spur straps and other small leather goods. Included clicker board measures 8-3/8" x 11-7/8". Weighs approximately 113 lbs.</p>			
131	Creaser and Embosser*	<p>Five creaser roll sizes (5/8", 3/4", 1", 1-1/4" or 1-1/2") and six embossing roll designs To emboss edges of larger products as well as straps Quick-change design allows to use spacers to achieve different looks Hand-operated machine accommodates leather with a minimal thickness of 4/5 oz.</p>	1		
132	Rotary Punch Machine*	<p>Simple, trouble-free design allows you to punch self-centering holes or punch holes down the side of a strap with the addition of our optional offset guide Hand-operated machine A clicker board anvil offers more effective punching Dual feed design helps feed material through machine Accommodates straps from 1/2" to 3" wide Punches clean holes from 1/2" to 3-1/8" apart Adjustable setting for hole spacing and leather width</p>	1		

133	Hand-Operated Strap Cutter*	<p>Gives your straps, from belt blanks to strap goods, a uniform, professional appearance</p> <p>Strap cutter's 8" design features a table and roll that adjust together</p> <p>Handle can be mounted in two positions; one for higher torque, lower speed applications and one for lower torque, higher speed applications</p> <p>Thoughtfully-designed for easy access and maintenance</p> <p>Roller bearings provide trouble-free operation</p> <p>Can be portable or mounted to a workbench</p> <p>Ends remove easily for quick changes of blades and spacers</p> <p>Has the ability to cut 1/8" laces with the use of the 1/16" spacers between the blades</p> <p>Comes set-up for 1" straps with eight 1" spacers and eight blades</p>	1		
134	Multifunction Foot Press*	<p>This compact machine is a pro at setting rivets, spots, snaps, crystals and more boosting your productivity on every project</p> <p>Automatic feed riveter attachment increases your productivity with a timesaving feed hopper that accommodates approximately 200 rivets</p> <p>Simply dump rivets in hopper and you're ready to go without the need to insert rivets individually</p> <p>Easy installation of automatic feed riveter attachment by simply sliding on machine and tightening down thumb screw</p> <p>Solid steel, not casted, construction for added durability</p>	1		

		Foot pedal features three height adjustments for comfortable operation			
135	Nylon Hot Cutter, Base Unit*	<p>Holder can be adjusted at any angle to align cutter blade, giving you miter capability</p> <p>Electrical coupler on the variable heat control allows you to quickly and easily plug the cutting blade, hole punch and poly rope sealer attachments in and out</p> <p>Round tubes (65-6912) in two sizes plated for durability (sold separately)</p> <p>Catch tray (65-6917) neatly catches slugs to keep your work area neat and tidy (sold separately)</p> <p>Easy-to-remove self-centering guide (65-6916) makes centering webbing a snap</p> <p>Cuts and seals the webbing in one easy step</p> <p>Cutting surface is protected with Teflon® Tape (65-6915)</p> <p>Great for use on nylon, polyester, and polypropylene</p> <p>Attachments: Heating Blocks (Cutting Blade 65-6910, Tube Punch 65-6911 or Poly Rope End Sealer (65-6913)</p>	1		
136	Edge Finishing Machine*	<p>Get perfect finished leather edges every time, straight or scalloped, with this leather edge painter machine</p> <p>Double edge finishes leather pieces to save time on a wide range of leather work projects</p> <p>Sensitive spring tension allows painting wheels to adjust to the curves of scalloped leather pieces</p> <p>Single wheel guide for edge finishing</p>	1		

		<p>shaped, die-cut products Accommodates 3/8" to 3" leather widths with straight or scalloped edges One set of wheels for all leather widths Foam covered wheels for easy clean up Quick, easy and precise for professional results Variable speed 110 single phase electric motor Degreaser (sold separately) provides easy cleanup of machine, foam painting bands and hands Weighs approximately 250 lbs. including shipping crate</p>			
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