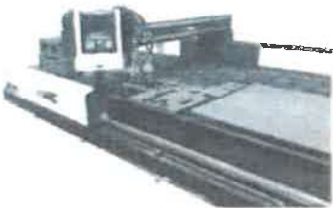




Details Specifications

A. CNC Plasma Cutting Gantry

EXAMPLE	QUANTITY REQUIRED
	1x CNC Plasma Cutting Gantry
CNC Plasma Cutting Gantry	
Specifications	• Effective cutting area 2500mm x 6000mm • ADTECH 2300 CNC controller with full nesting function • Auto torch height control included. • Dual Plasma/Flame cutting torch station. • Waterbed or air bed options. • Cutting length can be extended up to 30m. • Plasma cutting thickness up to 50mm depending on plasma power source. • Flame cutting capacity 150mm Mild steel. • Supplied with STARCAM software for nesting and cad function.
Plasma power source	Cutting capacity 0.5mm to 40mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum
Hypertherm Power Max:	Cutting capacity 0.5mm to 30mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum
Other Specs	The product is to be supplied with a specified warranty by the supplier.

4



A. Twin Column semi-automatic Heavy-duty band saw machine

EXAMPLE		QUANTITY REQUIRED
		1x Twin Column semi-automatic Heavy-duty band saw machine
Twin Column semi-automatic Heavy-duty band saw machine specifications		
Specifications	Capacity Round	420 mm (16.5")
	Capacity Square	420 mm (16.5")
	Capacity Rectangle (HxW)	420x 550 mm (16.5"x21.6")
	Capacity Triangle	460 x 420
	Blade Speed	20-100 m/min
	Blade Size (LxWxT)	5300x41x1.3 (208.7"x1.6"x0.05")
	Blade Motor	7.5HP (5.5kW)
	Hydraulic Motor	2HP (1.5kW)
	Coolant Motor	1/8HP (0.1kW)
	Workbed Height	700 mm (27.5")
Design	Gross Weight	2300 kgs (5060 lbs)
	Floor Space (LxWxH)	1100 x 2550 x1900 mm (43.3"x100.4"x74.8")
	• The machine is to cut diameter 420mm material • Hydraulic dual column design • Gearbox designed to accept high lateral pressure (no thermal distortion) • Inverter blade drive system which allows infinitely variable blade speeds • Adjustable flood coolant system • Motor driven, synchronized wire blade brush • Carbide blade guides and bearing provides additional blade support • Cast-iron guide arms • Cast-iron hydraulic vice • Split vice jaw for reduced burr • Automatic hydraulic blade tensioning device • Dual valve feed pressure and feed rate system for optimal cutting performance	

Handwritten signature



Other Specs	With chip conveyor The product is to be supplied with a specified warranty by the supplier.
-------------	--

B. Handheld fiber laser welding

EXAMPLE	QUANTITY REQUIRED
	1x Handheld fiber laser welding
Handheld fiber laser welding specifications	
Maintenance Specifications	The product is to be supplied with a specified warranty by the supplier.
Model	LASER 2000 WCC
Input Power	AC220V±5%/50 HZ
Scan Width	0-6mm
Center Wavelength	1080±10nm
Laser Power	2000W
Cooling Method	Water cool
Fiber Cable Length	15m
Shielding Gas	Argon/Nitrogen
Shielding Gas Pressure	Welding > 3bar, Cutting 4-7bar
Total Energy Consumption	9kw
Electro-optical Conversion Efficiency	≥ 30%
Welding Thickness	0.5~6mm

Handwritten signature



Welding Gap Range	≤1mm
Operating Environment	-10°C~40°C
Weight (Power source + wire feeder)	129.2kg
Packed Weight (Power source + wire feeder)	143.6kg
Dimensions (Ex. small protruding parts)	980 x 420 x 710 mm

C. Circular saw

EXAMPLE	QUANTITY REQUIRED	
	1x Circular saw station	
Circular saw specifications		
Specifications	Length	560 mm
	Width/depth	902 mm
	Height	1765 mm
	Net weight	235 kg
	Drive motor output	0.75 / 1.5 kW
	Motor coolant pump	40 W
	Supply voltage	400 V
	Phase(s)	3 Ph
	Current type	~
	Mains frequency	50 Hz

4



Saw band speed(s)	19 / 38 min-1
Saw blade diameter	315 mm
Saw blade bore	40 mm
Saw blade thickness	2.5 mm
Cutting angle	-45 to 45 degree
Feed	manual
Cutting angle adjustment	by means of a rotatable bearing block
Vice jaw width	135 mm
Cutting capacity 0° (round) solid material	85 mm
Cutting capacity 0° (square) solid material	85 mm
Cutting capacity 0° (rectangle) solid material	70 x 130 mm
Cutting capacity +45° (round) solid material	85 mm
Cutting capacity +45° (square) solid material	85 mm
Cutting capacity +45° (rectangle) solid material	85 mm

Design Specifications

- Manual circular metal saws for steel, iron, light metals, solid material and profiles
- Slewing range of $\pm 45^\circ$
- Easy readable angle scale allows precise working
- Adjustment of the mitre in a matter of seconds
- Protected vice spindle
- Solid machine base with holes on both sides for the installation of the material stand MSR
- Machine base sizes:
— 546 x 620 x 801 mm
- Centric clamping
- 4-time guided
- Individually adjustable jaws
- Cut is always performed in an optimum position to the workpiece

Vice



Long handle	• 4-lever clamping system • Protected vice spindle • Allows sawing without large efforts • Integrated push button (On/Off) • Automatic switching on of the coolant pump when sawing
Extent Of Supply	• Coolant equipment • Machine substructure • Circular Saw Blade
Coolant pump	• Detachable coolant tank • Integrated powerful pump
Machine substructure	• Solid • Lockable door
Other Specifications	The product is to be supplied with a specified warranty by the supplier.

Laser Engraver and Cutter

EXAMPLE	QUANTITY REQUIRED
	1x Laser Engraver and Cutter Engraving Laminate Black on White 1220 x 610 x 1.5mm – (QUANTITY X 20) Engraving Laminate White on Black 1220 x 610 x 1.5mm – (QUANTITY X 20) Engraving Laminate Black on Yellow 1220 x 610 x 1.5mm – (QUANTITY X 20)
Laser Engraver and Cutter specifications	
Working table size	1400(x) x 1000(y)mm
Laser Tube type	Sealed CO ² glass
Laser power	100 Watts (130 Watts option)



Cutting speed	0 - 200 mm/sec
Engraving speed	0 - 500 mm/sec
Resolution	±0.01mm
Supports filetype	PLT, DXF, AI, JPG, TIF
Ports	USB 2.0, Ethernet
Software	RDWorks V8
Motor	Stepper
Voltage	AC 110-220V, 50-60Hz
Power Use	<2000W (Total)
Table Type	Blade & Honeycomb
Z-Axis Movement	Yes - electric, 30cm
Focus type	Auto Focus
Water-Cooled	Yes - JZ5200 chiller supplied
Rotary Attachment	Optional extra (from R6000)
Cutting Thickness	0-16mm (material dependant)
Unit Size	1870*1410*1300mm
Gross Weight	500kg
Safety	• Extraction fan with slinky to extract fumes from laser cutter • Laser safety goggles • Other required PPE
Other Specs	The product is to be supplied with a specified and quoted maintenance plan for 3 years by the supplier.



D. Workbench Tables

EXAMPLE	QUANTITY REQUIRED
	6x Workbench Tables

Workbench Tables specifications

Workbench table (1500 x 900 mm) height (900mm) with tabletop (32mm) to have insertion rubber top (3mm)

E. Tools and Trolleys

EXAMPLE	QUANTITY REQUIRED
	7x Tools and Trolleys

Tools and Trolleys specifications

Roller Cabinets	7 Drawers Overall dimensions (670 x460 x885mm)	
Overall Specs	- All tools chrome vanadium and fully chrome plated. Mirror finish and aluminum free. - Tools to be fitted in foam inside the trolley drawers.	
Tools	Adjustable Wrenches	Twin Pack (200 & 300mm)
	Torpedo Level	230mm

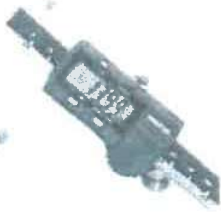


7 Jaw Ratchet Crimping Tool Set	Toolset
Engineer's steel Rules , round end	Round End 300mm
Doubled ended Scriber	180mm length
Ball Pein Hammer Fibreglass Shaft	350mm length handle
Ball Pein Hammer Hard wood shaft	295mm length handle
Insulated Gable Knives, curved blade	180mm length
Insulated dual grip 1000V screwdrivers (7 piece set)	
Tape Measures, auto locking	8m length, 25mm blade width
Heavy duty wire strippers	200mm length
Autoload & Lock Knives	170mm length
Pro-grip junior hacksaw	235mm length
Professional plus hacksaw	400mm length
3 – piece professional quality chrome vanadium plier set	160mm length
Box joint water pump pliers	255mm length
Miniature pliers 6 x piece	
Straight Jaw Bi-Material Handle Grip Wrenches	255mm length
Engineer's & Electrician's screwdrivers 15 x piece	
Pro – Torq Precision Screwdrivers 9 x piece	
Spanner Box Combination 7 x piece metric	
Professional Combination spanners 14 x piece metric	
Socket sets 1/2" and 3/4" square drive 40 x piece set	
Hexagon ball drivers 20 x piece set	
Engineer's second cut file set 14 x piece	
HSS Jobber Drill Set- Bright Finish 25 x piece set, metric	
STD Compound 5 Liter & 500g	
Metric Threading set M3 – M12 HSS 32 x piece set	
Mechanic's Screwdriver bit set 32 x pieces	



Industrial Lazy Tong Riveter	
18v cordless combi drill pack with charger and 2 x batteries	
18v cordless impact driver pack with charger and 2 x batteries	
Digital Insulation testers	K3007
CATIV Professional AC/DC clamp meters	K2056R & K2055
Industrial multimeter	6000 Count LCD display with a 61 segment analogue bar graph

F. Absolute Digimac Callipers

EXAMPLE	QUANTITY REQUIRED
	8x Absolute Digimac Callipers
Absolute Digimac Callipers specifications	
Specifications	• Allows direct measurements from power on • Zero-setting of the display is also possible at any slider position • Special functions which allow it to always remember its measuring position even after the gauge has been switched off • Range: 0 in [Min], 0 mm [Min], 6 in [Max], 150 mm [Max] • Resolution (Length): 0.00050 in, 0.01000 mm • Accuracy: ± 0.001 in • Upper Jaw Length: 1.570 in • Lower Jaw Length: 1.570 in • Display Type: Digital LCD .295 in • Batt. Life: 3.5 Years (20,000 hours) • Measuring System: Inch/Metric • Measurement Type: Inside, Outside, Step, Depth



- Mechanism: Rack & Pinion
- Output: SPC
- Type: Plain Caliper
- Wt.: 0.36 lb
- Including carry case

G. Pedestal Drilling Machine

EXAMPLE	QUANTITY REQUIRED
	2x Pedestal Drilling Machine
Pedestal Drilling Machine specifications	
Specs	• 3 x Geared head pedestal drilling machine – drilling capacity 25mm • Spindle speed 105 – 2900 rpm • Throat 255mm • Spindle taper 3 MT • Spindle travel 135 mma • Motor 0.65/0.95 Kw and 380 v • 3 machine vice 200 to 250 mm



Annexure A: Mandatory Requirements

Description of Appendix	Requirement	Circle yes if submitted	
		Yes	No
RFQ Document	Submission of a detailed and signed quotation	Yes	No
Technical specifications and pricing	Pricing according to the technical specification	Yes	No
Proof of Bank Account	Signed letter from the Bank (not older than 3 Months)	Yes	No
Company registration documents	Supply Company registration documents	Yes	No
Tax PIN	PIN Status certificate	Yes	No
BBBEE certification	A valid BBBEE certificate / An original Sworn-In Affidavit	Yes	No
Declaration of Interest	SBD 4 SBD 6.1 SBD 6.2 SBD 8 SBD 9	Yes	No
CSD	Supply proof of registration with the National Treasury	Yes	No
ID Copy of Company's director(s)	Supply with certified copy of IDs	Yes	No
Complete and sign the official document	Request for proposal form to be completed, signed and email back	Yes	No

[Handwritten signature]

Annexure B: Functional criteria

CNC Plasma Cutting Gantry

Functional/Technical criteria	Weighting	0	5	10
Specifications - Effective cutting area 2500mm x 6000mm - ADTECH 2300 CNC controller with full nesting function - Auto torch height control included. - Dual Plasma/Flame cutting torch station. - Waterbed or air bed options. - Cutting length can be extended up to 30m. - Plasma cutting thickness up to 50mm depending on plasma power source. - Flame cutting capacity 150mm Mild steel. - Supplied with like "STARCAM" software for nesting and cad function. Plasma Power Source	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Cutting capacity 0.5mm to 40mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum Hypertherm Power Max:				
Cutting capacity 0.5mm to 30mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum				
The product is to be supplied with a specified warranty by the supplier.				
Local service and support capability	20%	Sales only	Limited local technical support.	Full capable local team with a track record

[Signature]

Twin Column semi-automatic Heavy-duty band saw machine

Functional/Technical criteria	Weighting	0	5	10
Specifications - Capacity Round 420 mm (16.5") - Capacity Square 420 mm (16.5") - Capacity Rectangle (HxW) 420x 550 mm (16.5"x21.6") - Capacity Triangle 460 x 420 - Blade Speed 20-100 m/min - Blade Size (LxWxT) 5300x41x1.3 (208.7"x1.6"x0.05") - Blade Motor 7.5HP (5.5kW) - Hydraulic Motor 2HP (1.5kW) - Coolant Motor 1/8HP (0.1kW) - Workbed Height 700 mm (27.5") - Gross Weight 2300 kgs (5060 lbs) - Floor Space (LxWxH) 1100 x 2550 x1900 mm (43.3"x100.4"x74.8").	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Design - The machine is to cut diameter 420mm material - Hydraulic dual column design - Gearbox designed to accept high lateral pressure (no thermal distortion) - Inverter blade drive system which allows infinitely variable blade speeds - Adjustable flood coolant system - Motor driven, synchronized wire blade brush - Carbide blade guides and bearing provides additional blade support - Cast-iron hydraulic vice - Split vice jaw for reduced burr - Automatic hydraulic blade tensioning device - Dual valve feed pressure and feed rate system for optimal cutting performance - With chip conveyor - The product is to be supplied with a specified warranty by the supplier	20%	Sales only	Limited local technical support.	Full capable local team with a track record
Local service and support capability				

[Signature]

Handheld fiber laser welding

Functional/Technical criteria		Weighting		0	5	10
Specifications		80%		Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
LASER 2000 WCC						
Input Power		AC220V(±5%/50 HZ)				
Scan Width		0-6mm				
Center Wavelength		1080±10nm				
Laser Power		2000W				
Cooling Method		Water cool				
Fiber Cable Length		15m				
Shielding Gas		Argon/Nitrogen				
Shielding Gas Pressure		Welding >3bar, Cutting 4-7bar				
Total Energy Consumption		9kw				
Electro-optical Conversion Efficiency		≥ 30%				
Welding Thickness		0.5~6mm				
Welding Gap Range		≤ 1mm				
Operating Environment		-10°C~40°C				
Weight (Power source + wire feeder)		129.2kg				
Packed Weight (Power source + wire feeder)		143.6kg				
Dimensions (Ex. small protruding parts)		980 x 420 x 710 mm				

Local service and support capability	20%	Sales only	Limited local technical support.	Full capable local team with a track record
--------------------------------------	-----	------------	----------------------------------	---

Circular saw

Functional/Technical criteria	Weighting	0	5	10
Specifications - Length 560 mm - Width/depth 902 mm - Height 1765 mm - Net weight 235 kg - Drive motor output 0.75 / 1.5 kW - Motor coolant pump 40 W - Supply voltage 400 V - Phase(s) 3 Ph - Current type ~ - Mains frequency 50 Hz - Saw band speed(s) 19 / 38 min⁻¹ - Saw blade diameter 315 mm - Saw blade bore 40 mm - Saw blade thickness 2.5 mm - Cutting angle -45 to 45 degree - Feed manual - Cutting angle adjustment by means of a rotatable bearing block - Vice jaw width 135 mm - Cutting capacity 0° (round) solid material 85 mm - Cutting capacity 0° (square) solid material 85 mm - Cutting capacity 0° (rectangle) solid material 70 x 130 mm - Cutting capacity +45° (round) solid material 85 mm - Cutting capacity +45° (square) solid material 85 mm - Cutting capacity +45° (rectangle) solid material 85 mm	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Design - Manual circular metal saws for steel, iron, light metals, solid material and profiles - Slewing range of ± 45° - Easy readable angle scale allows precise working				

• Adjustment of the mitre in a matter of seconds • Protected vice spindle • Solid machine base with holes on both sides for the installation of the material stand MSR • Machine base sizes: — 546 x 620 x 801 mm - Vice: Centric clamping • 4-time guided • Individually adjustable jaws • Cut is always performed in an optimum position to the workplace • 4-lever clamping system • Protected vice spindle - Long handle • Allows sawing without large efforts • Integrated push button (On/Off) • Automatic switching on of the coolant pump when sawing - Extent Of Supply • Coolant equipment • Machine substructure • Circular Saw Blade - Coolant pump • Detachable coolant tank • Integrated powerful pump - Machine substructure • Solid • Lockable door • The product is to be supplied with a specified warranty by the supplier.	20%	Sales only	Limited local technical support.	Full capable local team with a track record
---	-----	------------	----------------------------------	---

[Signature]

Laser Engraver and Cutter

Functional/Technical criteria		Weighting	0	5	10
		80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Working table size	1400(x) x 1000(y)mm				
Laser Tube type	Sealed CO ² glass				
Laser power	100 Watts (130 Watts option)				
Cutting speed	0 - 200 mm/sec				
Engraving speed	0 - 500 mm/sec				
Resolution	±0.01mm				
Supports filetype	PLT, DXF, AI, JPG, TIF				
Ports	USB 2.0, Ethernet				
Software	RDWorks V8				
Motor	Stepper				
Voltage	AC 110-220V, 50-60Hz				
Power Use	<2000W (Total)				
Table Type	Blade & Honeycomb				
Z-Axis Movement	Yes - electric, 30cm				
Focus type	Auto Focus				
Water-Cooled	Yes - JZ5200 chiller supplied				
Rotary Attachment	Optional extra (from R6000)				
Cutting Thickness	0-16mm (material dependant)				
Unit Size	1870*1410*1300mm				
Gross Weight	500kg				
Safety	- Extraction fan with slinky to extract fumes from laser cutter - Laser safety goggles - Other required PPE - The product is to be supplied with a specified warranty by the supplier.				
Other Specs					
Local service and support capability		20%	Sales only	Limited local technical support.	Full capable local team with a track record

Pedestal Drilling Machine

Functional/Technical criteria	Weighting	0	5	10
3 x Geared head pedestal drilling machine – drilling capacity 25mm - Spindle speed 105 – 2900 rpm - Throat 255mm - Spindle taper 3 MT - Spindle travel 135 mm - Motor 0.65/0.95 Kw and 380 v 3 machine vice 200 to 250 mm - The product is to be supplied with a specified warranty by the supplier.	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Local service and support capability	20%	Sales only	Limited local technical support.	Full capable local team with a track record

Work Benches

Functional/Technical criteria	Weighting	0	5	10
Work Benches Workbench table (1500 x 900 mm) height (900mm) with tabletop (32mm) to have insertion rubber top (3mm)	100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications

[Signature]

Tools and Trolleys

Functional/Technical criteria		Weighting		0	5	10
		100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications	
Tools and Trolleys						
• Roller Cabinets	7 Drawers Overall dimensions (670 x460 x885mm)					
• All tools chrome vanadium and fully chrome plated. Mirror finish and aluminum free.						
• Tools to be fitted in foam inside the trolley drawers.						
Tools						
Adjustable Wrenches	Twin Pack (200 & 300mm)					
Torpedo Level	230mm					
7 Jaw Ratchet Crimping Tool Set	Toolset					
Engineer's steel Rules , round end	Round End 300mm					
Doubled ended Scriber	180mm length					
Ball Pein Hammer Fibreglass Shaft	350mm length handle					
Ball Pein Hammer Hard wood shaft	295mm length handle					
Insulated Gable Knives, curved blade	180mm length					
Insulated dual grip 1000V screwdrivers (7 piece set)						
Tape Measures, auto locking	8m length, 25mm blade width					
Heavy duty wire strippers	200mm length					
Autoload & Lock Knives	170mm length					
Pro-grip junior hacksaw	235mm length					
Professional plus hacksaw	400mm length					
3 – piece professional quality chrome vanadium plier set	160mm length					
Box joint water pump pliers	255mm length					
Miniature pliers 6 x piece						
Straight Jaw BI-Material Handle Grip Wrenches	255mm length					
Engineer's & Electrician's screwdrivers 15 x piece						
Pro – Torq Precision Screwdrivers 9 x piece						
Scanner Box Combination 7 x piece metric						

Professional Combination spanners 14 x piece metric	
Socket sets 1/2" and 3/4" square drive 40 x piece set	
Hexagon ball drivers 20 x 1 piece set	
Engineer's second cut file set 14 x piece	
HSS Jobber Drill Set- Bright Finish 25 x piece set, metric	
STD Compound 5 Liter & 500g	
Metric Threading set M3 – M12 HSS 32 x piece set	
Mechanic's Screwdriver bit set 32 x pieces	
Industrial Lazy Tong Riveter	
18v cordless combi drill pack with charger and 2 x batteries	
18v cordless impact driver pack with charger and 2 x batteries	
Digital Insulation testers	K3007
CATIV Professional AC/DC clamp meters	K2056R & K2055
Industrial multimeter	6000 Count LCD display with a 61 segment analogue bar graph

Absolute Digimac Callipers

Functional/Technical criteria	Weighting	0	5	10
Work Benches - Allows direct measurements from power on - Zero-setting of the display is also possible at any slider position - Special functions which allow it to always remember its measuring position even after the gauge has been switched off - Range: 0 in [Min], 0 mm [Min], 6 in [Max], 150 mm [Max] - Resolution (Length): 0.00050 in, 0.01000 mm - Accuracy: ±0.001 in	100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications

- Upper Jaw Length: 1.570 in
- Lower Jaw Length: 1.570 in
- Display Type: Digital LCD .295 in
- Batt. Life: 3.5 Years (20,000 hours)
- Measuring System: Inch/Metric
- Measurement Type: Inside, Outside, Step, Depth
- Mechanism: Rack & Pinion
- Output: SPC
- Type: Plain Calliper
- Including carry case

[Handwritten signature]