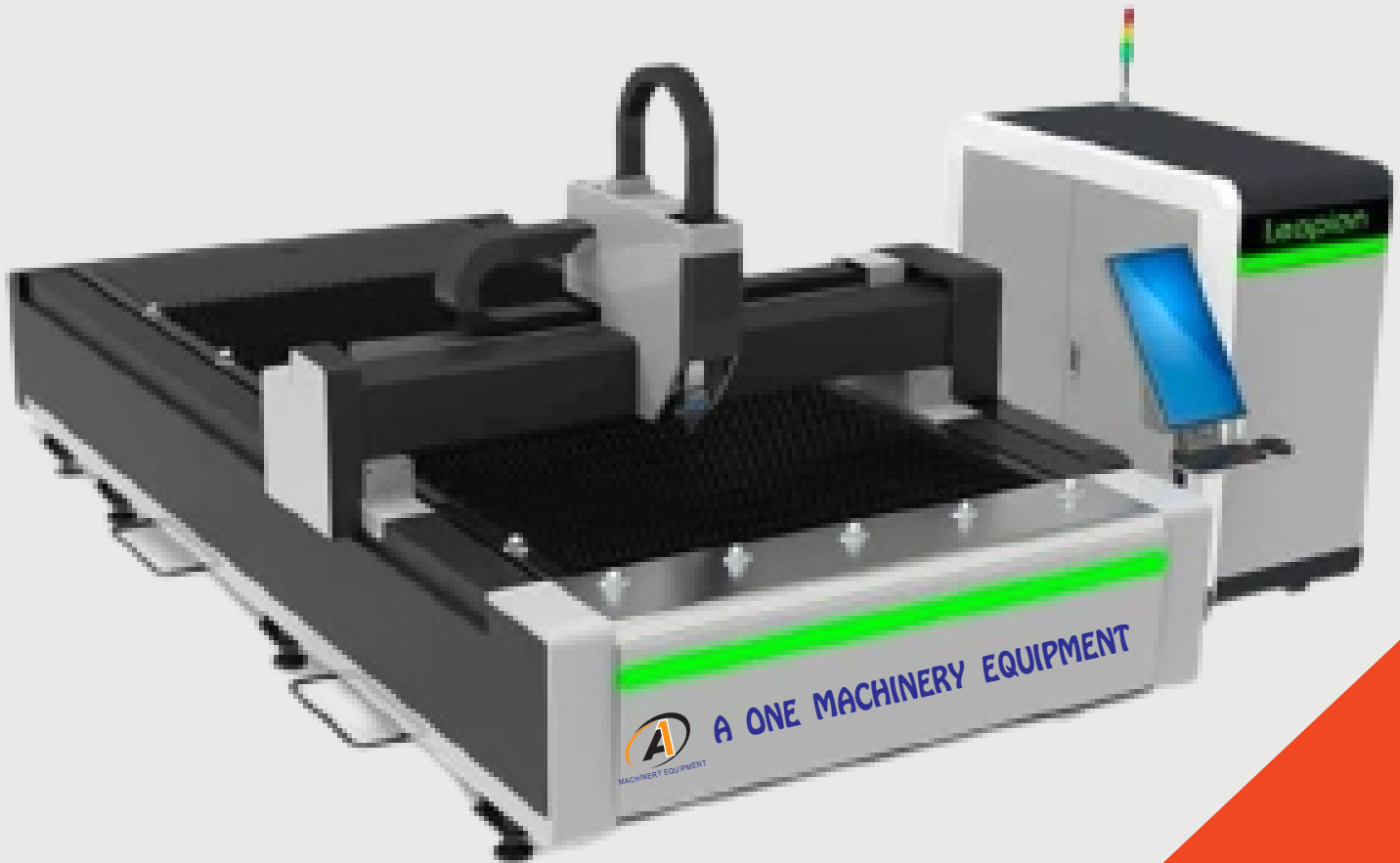


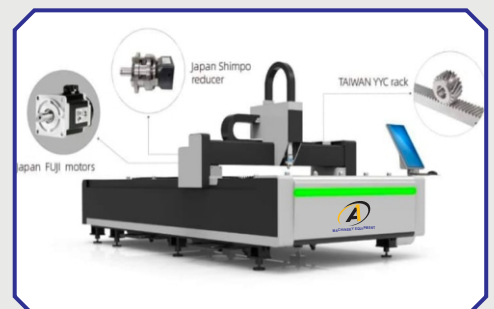


MACHINERY EQUIPMENT

A ONE MACHINERY EQUIPMENT



We Make Your Cutting
Easier, Better & at Lower Cost



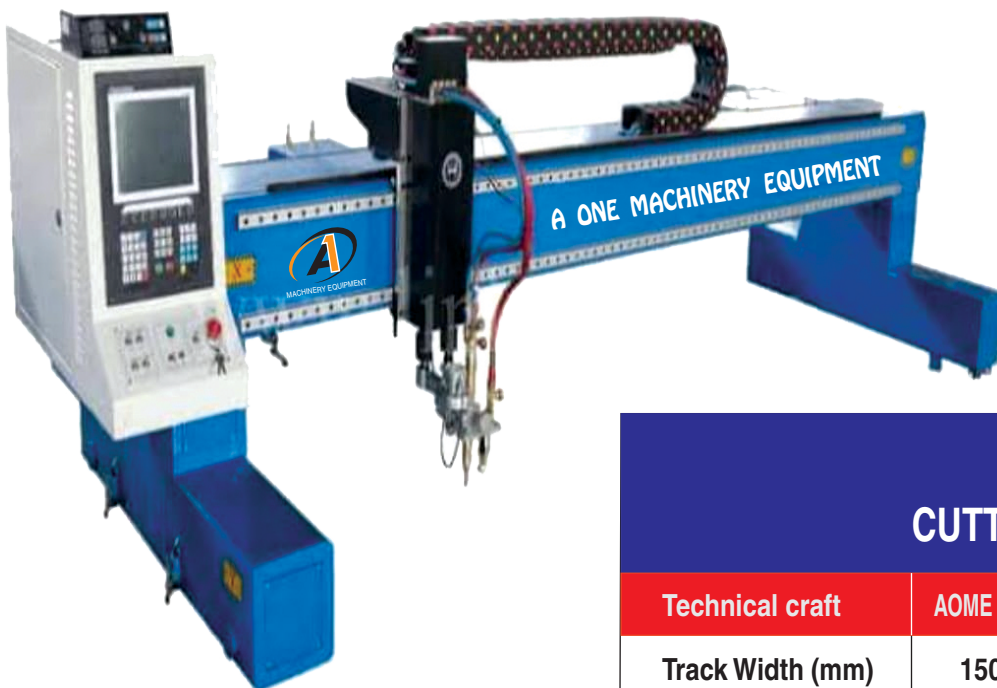


BENCH TYPE PLASMA /FLAME CUTTING MACHINE

Technical craft	AOME 1530
Track Width (mm)	1500
Track Length (mm)	3000
Cutting Head	One Flame and One Plasma

MINI TYPE PLASMA /FLAME CUTTING MACHINE

Technical craft	AOME 1530	AOME 2065	AOME 3510
Track Width (mm)	1500	2000	3500
Track Length (mm)	3000	6500	10000
Cutting Head	One Flame and One Plasma		



GENTRY CUTTING MACHINE

Technical craft	AOME 1530	AOME 2065	AOME 3510	AOME 4012
Track Width (mm)	1500	2000	3500	4000
Track Length (mm)	3000	6500	10000	12000
Cutting Head	One Flame and One Plasma			



HEAVY PLASMA /FLAME CUTTING MACHINE

Technical craft	AOME 1563	AOME 3080	AOME 4010	AOME 5016
Track Width (mm)	1500	3000	4000	5000
Track Length (mm)	6300	8000	10000	16000
Cutting Head	One Flame and One Plasma			

FLAME/PLASMA CUTTING MACHINE

Technical craft	AOME 1530	AOME 1560
Track Width (mm)	1500	1500
Track Length (mm)	3000	6000
Cutting Head	One Flame and One Plasma	



PORTABLE CUM GENTRY FLAME/PLASMA CUTTING MACHINE

Technical craft	AOME 1530	AOME 1560	AOME 2030	AOME 2060
Track Width (mm)	1500	1500	2000	2000
Track Length (mm)	3000	6000	3000	6000
Cutting Head	One Flame and One Plasma			

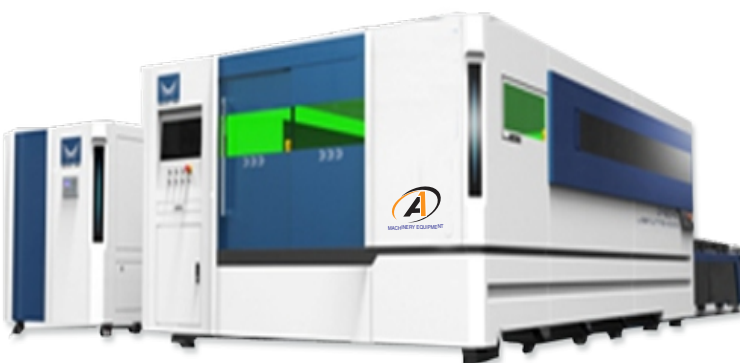


SINGLE TABLE OPEN BODY FIBRE LASER CUTTING MACHINE

	AOME 1530	AOME 1560	AOME 2060
Track Width (mm)	1500	1500	2000
Track Length (mm)	3000	6000	6000
Cutting Head	One Flame and One Plasma		

DOUBLE TABLE CANOPY BODY FIBRE LASER CUTTING MACHINE

	AOME 1530	AOME 1560	AOME 2060
Track Width (mm)	1500	1500	2000
Track Length (mm)	3000	6000	6000
Cutting Head	One Flame and One Plasma		



500W
1.5 K.W.
2 K.W.
3 K.W

500W
1.5 K.W.
2 K.W.
3 K.W



500W
1.5 K.W.
2 K.W.
3 K.W





Technical Specification

Model No. -	CNC - 6090	CNC - 1212	CNC - 1325	CNC - 1530
X, Y Z Working Area	690x900x120 mm	1200x1220x120 mm	1300x2500x200 mm	1500x3000x200 mm
Table Size	780x1316 mm	1294x1560 mm	1465x3000 mm	2150x3800 mm
Resolution	±0.03/300 mm			
Repealability	±0.02 mm		±0.05 mm	
Lathe Structure	Cast Steel, with Stand	Welding Steel Structure	Welding Steel Structure	Welding Steel Structure
X,Y,Z Structure	Ball Screw and Linear Rails		Rack Pinion, Ball Screw Linear Rails	
Table	T-Slot Table		T-Slot Table + Vaccum Pump	
Linear Guide	Hg 25 for Y axis, HG 20 for X and Z			
Max. Consume Power	3.0 Kw	4.0 Kw	6.5.0 Kw	
max. Rapid	0-18000 mm / min	0-10000 mm / min	0-32000 mm / min	
Max. Working Speed	0-15000 mm / min	0-6000 mm / min	0-20000 mm / min	
Spindle	1.5 Kw Air-Cooling spindle, ER16		4.5 Kw or 6 Kw Italian HSD spindle, ER25	
Spindle speed	0-24000 rpm		0-18000 rpm	
Working Mode	Stepper			
Working Voltage	AC 220V, 50/60 Hz, Single Phase		AC 220V, 380, 50/60 Hz, 3 Phase	
Command Code	G Code (*Uoo, *nc, *mmg, *plt)			
Operating System	*NC Studio DSP Control System			
Interface	Printer Port 50pins OR USB			
Memory	128 MB (or Flash Drive)			
Software	Type3, Ucancam V9, Artcam			
X,Y Working Accuracy	<0.01 mm			
Painting	Sand Polishing and Power Coating			
Inverter	Delta / Sufar / Fuling (Any One make)			
Optional 1 :	Rotary Attachment Size Diameter 125mm, Length 1300mm			
Optional 2 :	Original Artcam Software			
Dust Collector	With Dust Collector Hood		2.2 Kw, Dual Bags, 220V, 1ph	
Packaging Size	1780x1180x1670 mm	1920x1830x1680 mm	3140x1940x1780 mm	3680x2130x1850 mm
Gross Weight	250 Kg.	800 Kg.	1200 Kg.	1750 Kg

High Performance Cutting

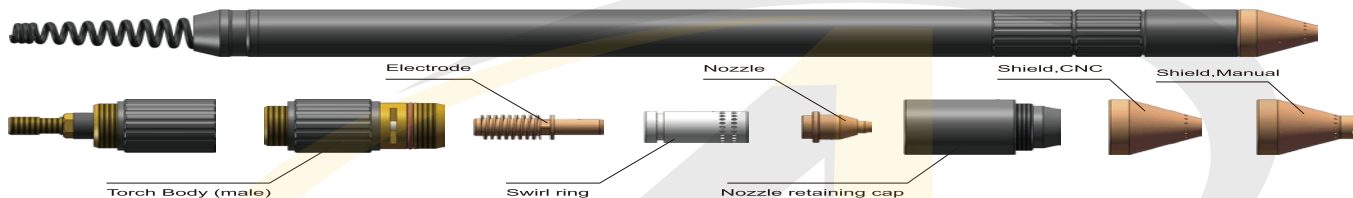
T-rex Sharp - 130HD

Professional-grade plasma cutting system for CNC up to 18mm

TP 130 Technical Data

Current	45A/100A/130A/160A
Maximum Voltage	180V*
Duty Cycle	130A/100%(Manual)
Gas	AIR
Pressure	≥0.6MPA
Gas Flow at 130A	260SLPM
Pilot	Electrode to Tip
Ignition	High Frequency

- Refined single-air system plasma torch
- With quick coupling torch body
- *Work with TOPWELL high voltage power source to shift the cutting limitation



Specifications

System	T-rex Sharp -130HD
Input Voltages	380V/440V, 3PH, 50/60Hz
Max. Load Power Capacity	28.4KVA
Rated Output Voltage	175VDC
Max Output Current	130A
Open Circuit Voltage (OCV)	380VDC
Operating Temperature	-10°C~40°C
Duty Cycle Rating 40°C(105°F)	100%@130A
Dimensions	680*310*650mm
Weight	49KG
Torch	TP130, 7.5m
Recommended Gas Inlet	Cutting:
Flow Rate/Pressure	260 l/min(550 scfh) @ 5.9 bar(85 psi)
Certifications	CE, ROHS



High Performance Cutting

T-REX SHARP-160HD

Professional-grade plasma cutting system for CNC up to 20mm

TP 130 Technical Data

Current	60A/100A/130A/160A
Maximum Voltage	180V*
Duty Cycle	130A/100%(Manual) 160A/100%(CNC)
Gas	AIR
Pressure	≥0.5MPA
Gas Flow at 130A	260SLPM
Pilot	Electrode to Tip
Ignition	High Frequency

Specifications

System	T-REX SHARP-160HD
Input Voltages	380V/440V, 3PH, 50/60Hz
Max. Load Power Capacity	40.0KVA
Rated Output Voltage	200VDC
Max Output Current	160A
Open Circuit Voltage (OCV)	430VDC
Operating Temperature	-10°C~40°C
Duty Cycle Rating 40°C(105°F)	100%@160A
Dimensions	650*350*840mm
Weight	130KG
Torch	TP130, 7.5m
Recommended Gas Inlet	Cutting:
Flow Rate/Pressure	640 scfh @ 5.9 bar(85 psi)
Certifications	CE, ROHS
Warranty	1-Years warranty for power source



- Refined single-air system plasma torch
- With quick coupling torch body
- *Work with VIGOR high voltage power source to shift the cutting limitation

ProCUT Series

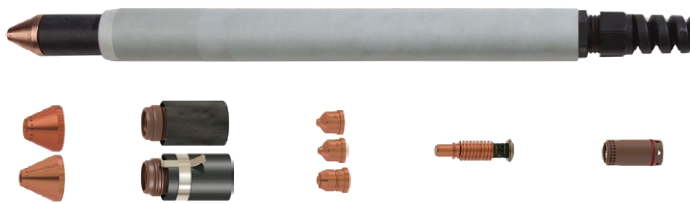
HD CNC cutting, Great for a wide thickness from 1mm to 15mm, Non-HF ignition

			ProCUT-105MAX	ProCUT-125MAX
Capacity	Carbon steel	Dross-free	16mm	18mm
		Pierce	22mm	25mm
		Severance	50mm	60mm
Speed		Not all processes available for all materials	16mm	18mm
			1000mm/min	1100mm/min
Cut Angle		ISO9013range**	2	
Weldability		Ready to weld		
Process gas by material		(Plamsa/Shield)	Air	
Process amps			25~105	25~125

* Feature and material type can influence dross free performance.

** ISO 9013 is a standard that defines cut quality of thermally cut parts. The lower the range (range 1 is the lowest), the smaller the angle on the cut face. Cut angle in range 4 is better than in range 5.

Torch: TP125



HD-MAX Series

Extra-Definition, Maximized productivity, low operating cost

			HD200MAX	HD300MAX	HD400MAX
Capacity	Carbon steel	Dross free*	32	40	45
		CNC pierce	38	45	50
		Severance	60	70	80
	Stainless steel	CNC pierce	32	38	45
		Severance	50	60	80
	Aluminum	CNC pierce	32	38	38
	Severance	50	60	80	
Speed	Carbon steel	Book specifications at highest output current	20mm 1800mm/min	20mm 2200mm/min	20mm 3000mm/min
Cut angle		ISO9013 range**	2		
Weldability			Ready to weld		

Torch: TP300MAX





Hypertherm®

Powermax105®

Professional-grade plasma metal cutting and gouging system for handheld cutting 32 mm and mechanized piercing 22 mm.



Duramax standard torch styles
(for more torch options, see www.hypertherm.com)



180° full-length machine torch

Capacity	Thickness	Cut speed
Cutting		
Recommended	32 mm	500 mm/min
	38 mm	250 mm/min
Severance (hand cutting)	50 mm	125 mm/min
Pierce	22 mm	
Pierce rating for handheld use or with automatic torch height control		

Capacity	Metal removal rate	Groove profile
Gouging		
Typical gouge	9,8 kg per hour	6,4 mm D x 7,4 mm W

Hypertherm®

Powermax125®

Professional-grade plasma metal cutting and gouging system for handheld cutting 38 mm and mechanized piercing 25 mm.



Duramax Hyamp standard torch styles
(for more torch options, see www.hypertherm.com)



180° full-length machine torch

Capacity	Thickness	Cut speed
Cutting		
Recommended	38 mm	457 mm/min
	44 mm	250 mm/min
Severance (hand cutting)	57 mm	125 mm/min
Pierce*	25 mm	
* Pierce rating for handheld use or with automatic torch height control		

Capacity	Metal removal rate	Groove profile*
Gouging		
Typical gouge	12,52 kg/hr	4,3 mm 7,9 mm D x 6,1 mm 9,9 mm W
* Actual groove profile varies with torch angle, arc stretch, and technique		

A One Fiber Laser Marking Machine

	Model	Fiber Laser Marking Machine
	Laser Wavelength	1064nm
	Laser Power	20W-30W
	Marking Area	110mm x 110mm (Option: 200mm x 200mm 300mm x 300mm)
	Laser Device	Raycus
	Min. Line Width	0.01mm (0.0004")
Galvanometer: 1001	Lens: F THETA	
Control Card: JCZ B	Red light: Double red light	
M2/Beam quality M2: <1.2	Marking line speed: (Adjustable depending on material)	
Min. Letter: 0.2mm (0.008")	Cooling Method: Air cooling	
Power supply: 220V / 50Hz / 1kVA	Warranty: one year	
Service: Indian Local service support		

Laser	: Pulsed Fiber Laser
Nominal Average Power	: $\geq 20W$
Max. Peak Power	: >7.5 KW
Power Tunability	: 10 -100%
Pulse Repetition Rate	: 20-80 khz
Wavelength(nm)	: 1060~1085
Pulse duration(ns) @20kHz	: <120ns
Power Stability	: >95%
Pulse Energy @20kHz	: 1.25mJ
Beam Quality	: <1.5 m2

MARKING SYSTEM

Marking Area	: Ø 175 mm
Marking Area (Optional)	: Ø 100mm / 150mm / 200mm

SOFTWARE

- > GUI (Graphical User Interface)
- > Serial Number Marking
- > Circular Marking
- > dxf, plt, bmp, jpg Compatible
- > Windows Font Text Marking
- > 1D & 2D Barcode Marking





MIG 400 DIODE BASED

- General fabrication
- Construction sites
- Automotive
- Repair and Maintenance

Specifications / Technical data

Mains supply, V/Ph, Hz	415 ± 15% / 3
Effective input current, A	20
Permitted load at 60% duty cycle, A	400
Permitted load at 100% duty cycle, A	308
Power factor (max)	0.92
Efficiency at maximum current (MIG), %	86
Voltage range, V	16 – 34
Current range, A	40 - 400
No load power, W	200
Dimensions l x w x h, mm	812 x 670 x 900
Weight, Kg	140
Enclosure class	IP21S
Insulation class	H
Standards	IEC 60974 - 1
MIG 400 Wire Feeder	
Wire feed speed, m/min	1 – 26
Wire diameter, FE / SS / Al / FC, mm	0.8 – 1.6
Dimensions, l x w x h, mm	530 x 200 x 280
Interconnection length, m	5
Weight, Kg	12.6

MIG 400 CCCV

Robust Inverter for MIG and MMA Welding



Powerful and Efficient

MIG 400 CCCV is an IGBT based inverter controlled power source designed for MIG and MMA welding

- Suitable for continuous use
- Energy efficient – Low No load power conserving energy under idle condition
- High Productivity – max. wire feed speed of 26m/min
- User friendly controls – Crater current & voltage, Inductance

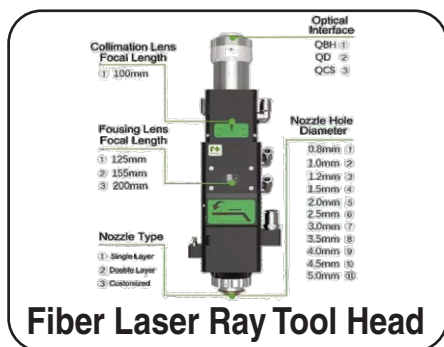
Visit WWW.VIGORWELDING.IN for more information.

MIG 400 CCCV HD

- General fabrication
- Construction sites
- Automotive
- Repair and Maintenance

Specifications / Technical data

Mains supply, V/Ph, Hz	415± 15% / 3, 50
Effective input current, A	20
Permitted load at 60% duty cycle, A	400
Permitted load at 100% duty cycle, A	309
Power factor (max)	0.92
Efficiency at maximum current (MIG), %	86
Voltage range, V	16—34
Current range, A	40- 400
No load power, W	200
Dimensions l x w x h, mm	580 x 300 x 600
Weight, Kg	39.6
Enclosure class	IP21S
Insulation class	H
Standards	IEC 60974 1
MIG 400 Wire Feeder	
Wire feed speed, m/min	1—26
Wire diameter, FE / SS / Al / FC, mm	0.8—1.6
Dimensions, l x w x h, mm	530 x 200 x 280
Interconnection length, m	5
Weight, Kg	12.6



MACHINERY EQUIPMENT





MACHINERY EQUIPMENT



A ONE MACHINERY EQUIPMENT

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