SMART PLASMA

• PLASMA CUTTING

Robust... Precise... Economical...

EPL Plasma Smart Series is an economical plasma cutting machine that meet your requirements by using both plasma and oxygen cutting technologies.

While saving your budget with Smart Plasma, you may also keep your productivity at the highest level with high quality parts.

- Ergonomic design
- Powerful consumables
- Lower costs
- Productivity
- Efficiency
- Oxygen cutting position

LOW COST

Allows high precision cutting using oxygen gas only. Minimizes the cutting costs.

HIGH PRODUCTIVITY

Brings your productivity to maximum level with its superior cutting quality in your most demanding productions thanks to its cutting speed and fast transitions.

EASY OPERATION

Optimized cutting parameters are automatically adjusted and controlled in one step to achieve consistent results without operator intervention.

LOW OPERATING COSTS

Offers the best performance with compromising from its speed using low amperage values. Moreover, it reduces costs per parts and increases the life cycle of consumables greatly using advanced technologies such as LongLife, COOlFlOW™ and TrueFlow™ while designing the consumables.

SMART PLASMA

MAX PRO 200

The MAXPRO200® LongLife® plasma cutting system is engineered for heavy-duty, high capacity automated and handheld cutting and gouging applications. The easy-to-use system operates with either air or oxygen plasma gas, and combines fast cutting speeds and quick process changes to maximize productivity. Advanced Hypertherm consumable designs – including LongLife® technology –improve cut consistency and significantly increase consumable life to lower your cost per part.

Powermax 125

Delivering maximum power and performance for air plasma, the Powermax125® plasma system cuts thick metals fast. Able to make short work of the toughest cutting and gouging jobs, the system offers a 100% duty cycle, a 25 mm (1") mechanized pierce capability, and fast gouging metal removal. It also gives you the latest technological innovations, such as Smart Sense™ technology to automatically adjust the gas pressure. Eleven Duramax® Hyamp™ torch styles provide versatility for hand cutting, portable automation, X-Y table cutting, extended reach cutting, and robotic cutting and gouging.

Powermax 105

The Powermax105® plasma system has the duty cycle and performance needed for tough industrial cutting and gouging jobs. Delivering superior cut capabilities on 32 mm (1-1/4") thick metals, it also offers the latest technological innovations, such as Smart Sense™ technology to automatically adjust the gas pressure. Seven Duramax™ torch styles provide versatility for hand cutting, portable automation, X-Y table cutting, and robotic cutting and gouging.

Powermax 85

The premier system for cutting 25 mm (1"), the Powermax85® has the same features and options as the Powermax65®, but with more power from an output current of 85 amps. Designed to maximize uptime and productivity, the system offers the latest technological innovations, such as Smart Sense™ technology to automatically adjust the gas pressure. With a variety of Duramax™ torch styles, operators can easily select exactly the right tool for the job: hand cutting or gouging, portable automation, X-Y table, and robotic cutting or gouging.

Powermax 65

The Powermax65® plasma system is a versatile machine for heavy-duty cutting and gouging in demanding environments. Designed to maximize uptime and productivity, the system offers the latest technological innovations, such as Smart Sense™ technology to automatically adjust the gas pressure. With a variety of Duramax™ torch styles, operators can easily select exactly the right tool for the job: hand cutting or gouging, portable automation, X-Y table, and robotic cutting or gouging.

Powermax 45 XP

Meet the newest member of our best-selling line of Powermax® portable plasma systems. The Powermax45® XP delivers increased cut capacity – up to 16 mm (5/8") metal – as well as faster cut speeds, and automatic gas adjustment for quick, simple setup and operation. New Duramax® Lock torches support handheld and mechanized cutting of a wider range of metal thicknesses, along with precision gouging such as spot weld removal, and marking capabilities.
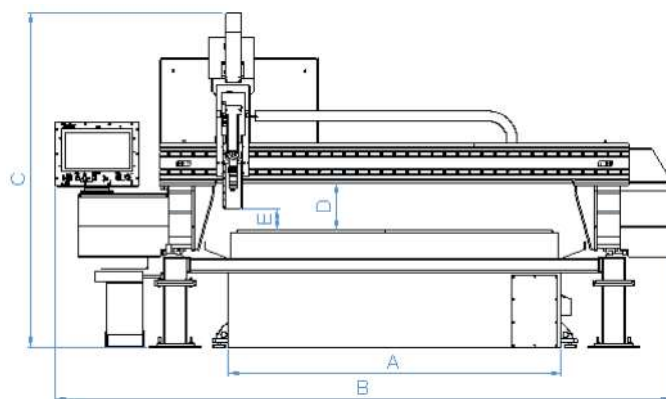
SMART PLASMA

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STANDARD EQUIPMENT

■ Hypertherm EDGE Connect TC CNC

- 19" LCD industrial type touch screen
- Hypertherm operator panel
- Safety module input and output
- Ethercat communication system
- Remote connection interface
- Phoenix interface
- Metric and inch gauges.

■ Hypertherm MaxPro200® Plasma Source

- Hypertherm automatic-gas console

■ ERMAK THC Automatic High Control System

- Ethercat communication system
- Safety input-output interface module
- Nozzle Sensor
- Collision Sensor
- 220 mm Standard Stroke
- Laser Pointer

■ ProNest® LT CAD / CAM Software

■ 3 Axis (X, Y, Z)

- 3 pieces Mitsubishi AC servo motor and driver
- 3 pieces planet type Neugart gear box
- High accuracy linear rails
- High accuracy an silent Atlanta Helis rack and pinion
- X,Y, Z Axis Igus brand silent cable tray

■ Cutting table with pneumatic system

■ Pilz safety PLC Module

■ 2 Emergency buttons

■ 6 Mechanical stops

OPTIONAL EQUIPMENT

■ Hypertherm PowerMax125 automatic gas console

■ Hypertherm PowerMax105 automatic gas console

■ Hypertherm PowerMax85 automatic gas console

■ Hypertherm PowerMax65 automatic gas console

■ Hypertherm PowerMax45XP automatic gas console

■ Oxy-fuel cutting system

■ Filter unit

■ -/+45º manuel bevel cutting adaptor for oxy-fuel & Plasma

■ 350 mm & 500 mm changeble stroke for oxy-fuel & Plasma

■ ProNest® LTS CAD / CAM Software

■ Light barier

■ Air drier

■ According to the working conditions cooling fan or heater can be add to the electrical panel

■ Optional electrical voltage

		EPL 1530 COMPACT	EPL 2040 COMPACT	EPL 2060	EPL 20120	EPL 2560	EPL 25120	EPL 3060	EPL 30120	EPL 4060	EPL 40120
CUTTING WIDTH (A)	mm (inch)	1500 (59)	2000 (79)	2000 (79)	2000 (79)	2500 (98)	2500 (98)	3000 (118)	3000 (118)	4000 (157)	4000 (157)
TOTAL WIDTH (B)	mm (inch)	3250 (128)	3750 (148)	3950 (156)	3950 (156)	4450 (175)	4450 (175)	4950 (195)	4950 (195)	6150 (242)	6150 (242)
TOTAL HEIGHT (C)	mm (inch)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)	2280 (90)
WEIGHT (D)	mm (inch)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)	220 (8,6)
TORCH DISTANCE (E)	mm (inch)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)
CUTTING LENGHT	mm (inch)	3000 (118)	4000 (157)	6000 (236)	12000 (472)	6000 (236)	12000 (472)	6000 (236)	12000 (472)	6000 (236)	12000 (472)
TABLE HEIGHT	mm (inch)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)	750 (30)
SPEED	m/ min.	35	35	35	35	35	35	35	35	35	35
MACHINE AXIS	-	X, Y, Z									
POSITIONING ACCURACY	mm (inch)	± 0,01 DIN 28206 (± 0,0039 DIN 28206)									
POSITION REPEATABILITY ACCURACY	mm (inch)	± 0,05 DIN 28206 (± 0,0019 DIN 28206)									
PLASMA CUTTING UNIT		Hypertherm Maxpro200									
TORCH HEIGHT CONTROL		Ermak THC									
CUTTING CAPACITY	mm (inch)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)	1-50 (,04-1,96)
ENERGY		400V, 50Hz, 6 Bar Air									
WEIGHT	kg (lbs)	3050 (6733)	4500 (9934)	6750 (14901)	12150 (26821)	7650 (16887)	14100 (31126)	8600 (18985)	15000 (33113)	12000 (26490)	22100 (48786)

* All specifications subject to change without notice.