



# Steel Fabrication Machinery



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## PDP Plate Drilling & Plasma Cutting Machine



**PDP 3000**

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## Specifications

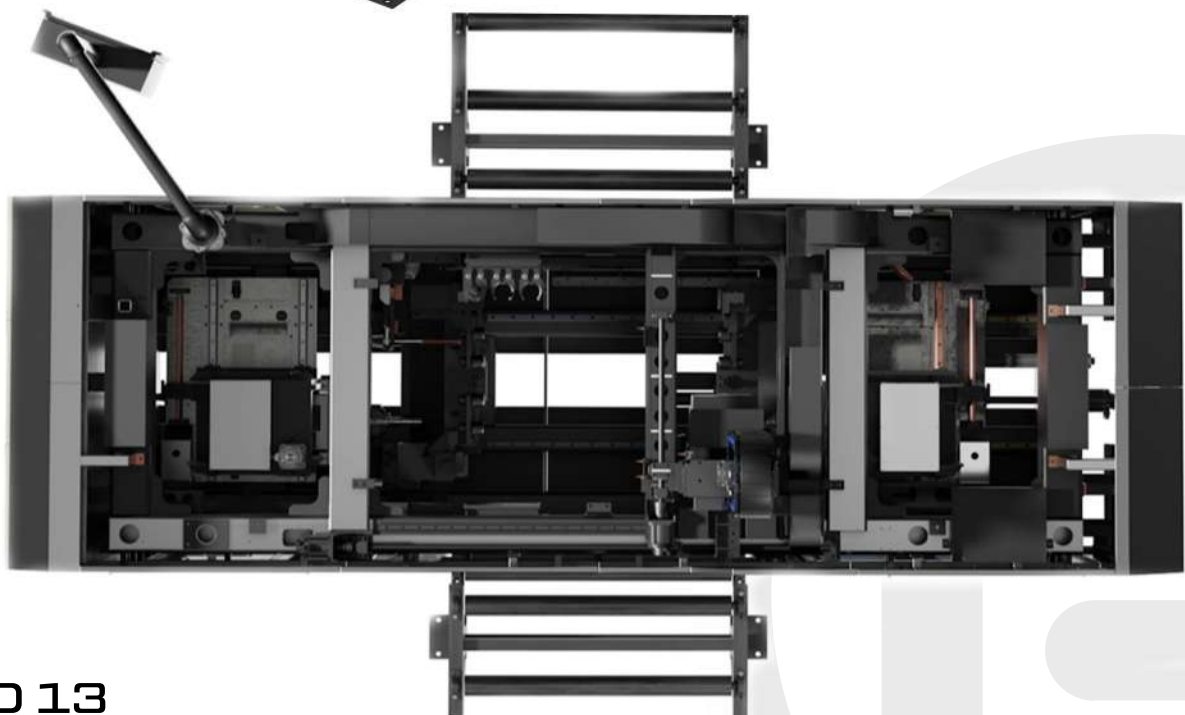
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Our multi-function plate drilling and plasma cutting machine is complete with a dual gantry design for fast and precise drilling and milling. Cutting is performed by the latest Hypertherm XPR-300 plasma cutting system. Key features include:

- ✔ Dual Gantry Design with Independent Drill Travel over the plate
- ✔ Carbide Drilling + Milling + Tapping
- ✔ Automatic Tool Changer (ATC)
- ✔ Hypertherm XPR 300 Plasma
- ✔ Dust Collector
- ✔ Oxy Cutting (\*optional)

Model	PDP 3000
<b>Machine structure</b>	Travelling Gantry
<b>Controller</b>	-45°, +60°
<b>Max. processing capacity</b>	118" wide (300mm)
<b>Drill Spindle motor</b>	7hp (5.5kw) BT-50 spindle
<b>Work Clamp</b>	4 sets
<b>Work Table</b>	Downdraft table with Brass Pin & Grating
<b>Dimension (W×L×H)</b>	230"x91"x100" / 5850x2300x2500mm
<b>Weight</b>	15,650lb / 7,100kg

## PBD Beam Drilling Machine



PBD 13

## Specifications

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The PBD line of Multi-spindle drilling line machines are designed for high efficiency drilling and processing of materials. The main features include:

- ✓ Sub- Axis spindle positioning allows simultaneous drilling on all 3 faces even when holes are not aligned, as well as machining for slots.
- ✓ Capable cardide marking and scribing
- ✓ Automatic tool changer with up to 4 tool positions for various tasks such as drilling, milling, tapping, countersinking, layout marking and centerpoint marking
- ✓ Pincher with rack and pinion positioning and measuring to achieve the highest accuracy
- ✓ Operator control from a 15" touch monitor with industrial PC. The software uses industry standard DSTV (.NC1) files to run
- ✓ Integration possible with PBS line of saws

CNC Multi-spindle drilling line	PBD 5*	PBD 7	PBD 10	PBD 13
<b>Section Size (Min)</b>	2"x2" (50x50mm)	5"x2-1/2" (125x65mm)	5"x2-1/2" (125x65mm)	6"x3" (150x75mm)
<b>Section Size (Max)</b>	20"x12" (500x300mm)	28"x16" (700x400mm)	39"x20" (1000x500mm)	51"x24" (1300x600mm)
<b>Drilling head (no.)</b>	3	3	3	3
<b>Drill Bit Capacity Ø</b>	1/2" to 1-1/4" (12 to 32mm)	1/2" to 1-1/4" (12 to 32mm)	1/2" to 1-1/2" (12 to 40mm)	1/2" to 1-1/2" (12 to 40mm)
<b>Automatic Tool Changer (Option)</b>	4 set per axis	4 set per axis	3 set per axis	3 set per axis
<b>Spindle Power</b>	20 HP ( 15 kw)	20 HP ( 15 kw)	24 HP ( 18 kw)	24 HP ( 18 kw)
<b>Spindle Sub Axis Stroke</b>	NA	12" ( 300mm)	14.5" ( 370mm)	17" ( 430mm)
<b>Machine Weight</b>	16,755 lb (7,600 kg)	19,360 lb (8,800 kg)	20,680 lb (9,400 kg)	27,500 lb (12,500 kg)

\* Comes with integrated straight cut saw

## Tandem Drill and Band Sawing System

PBS 700



PBD 7

## Specifications

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Our Tandem Drill and Band Sawing Systems are designed for high efficiency drilling and processing while simultaneously cutting various materials. The main features include:

- ✔ Optimizes work space, uses one operator to simultaneously control drilling and cutting
- ✔ Fast drilling with tungstan carbide drill
- ✔ Spindle movement in X direction (Beam length direction)
- ✔ Fast and precise material feeding by servo system
- ✔ Automatic cutting of both angles (-45°~+60°)

Drilling and Band Sawing	PBD 5*	Tandem line PBD 7 with PBS 700	Tandem line PBD 10 with PBS 1000	Tandem line PBD 13 with PBS 1300
<b>Section Size ( Min)</b>	2"x2" (50x50mm)	5"x2-1/2" (125x65mm)	5"x2-1/2" (125x65mm)	6"x3" (150x75mm)
<b>Section Size ( Max)</b>	20"x12" (500x300mm)	28"x16" (700x400mm)	39"x20" (1000x500mm)	51"x24" (1300x600mm)
<b>Drilling head (no.)</b>	3	3	3	3
<b>Drill Bit Capacity Ø</b>	1/2" to 1-1/4" (12 to 32mm)	1/2" to 1-1/4" (12 to 32mm)	1/2" to 1-1/2" (12 to 40mm)	1/2" to 1-1/2" (12 to 40mm)
<b>Automatic Tool Changer (Option)</b>	4 set per axis	4 set per axis	3 set per axis	3 set per axis
<b>Spindle Power</b>	20 HP ( 15 kw)	20 HP ( 15 kw)	24 HP ( 18 kw)	24 HP ( 18 kw)
<b>Spindle Sub Axis Stroke</b>	NA	12" ( 300mm)	14.5" ( 370mm)	17" ( 430mm)
<b>Double Miter cutting</b>	NA	-45°, +60°	-45°, +60°	-45°, +60°
<b>Blade speed</b>	65 - 300 ft/ min	65 - 300 ft/ min	65 - 300 ft/ min	65 - 300 ft/ min
<b>Machine Weight</b>	16,755 lb (7,600 kg)	29,260 lb (13,300 kg)	35,750lb (16,250 kg)	44,770 lb (12,350 kg)

\* Comes with integrated straight cut saw

## PBS Band Sawing Machine



**PBS 700**



**PBS 1000**



## Specifications

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The PBS line of Band saws offer standalone and integrated cutting solutions. Key features/advantages include:

- ✓ Designed for easy cutting of bundles and raw materials
- ✓ Automatic cutting speed control system & cutting end point
- ✓ Linear Motion guide for stable saw blade feed
- ✓ Capable of double miter cutting up to 60°
- ✓ Continuous, fast balanced cutting speeds

Band Saws	PBS 700	PBS 1000	PBS 1300
<b>Section Size ( Max</b>	28"x16" (700x400mm)	39"x24" (1000x600mm)	51"x24" (1300x600mm)
<b>Double Miter cutting</b>	-45°, +60°	-45°, +60°	-45°, +60°
<b>Blade speed</b>	65 - 300 ft/ min	65 - 300 ft/ min	65 - 300 ft/ min
<b>Machine Weight</b>	29,260 lb (13,300 kg)	35,750lb (16,250 kg)	44,770 lb (12,350 kg)

## PSB Shot Blast Machine



PSB 1050



PSB 1050

## Specifications

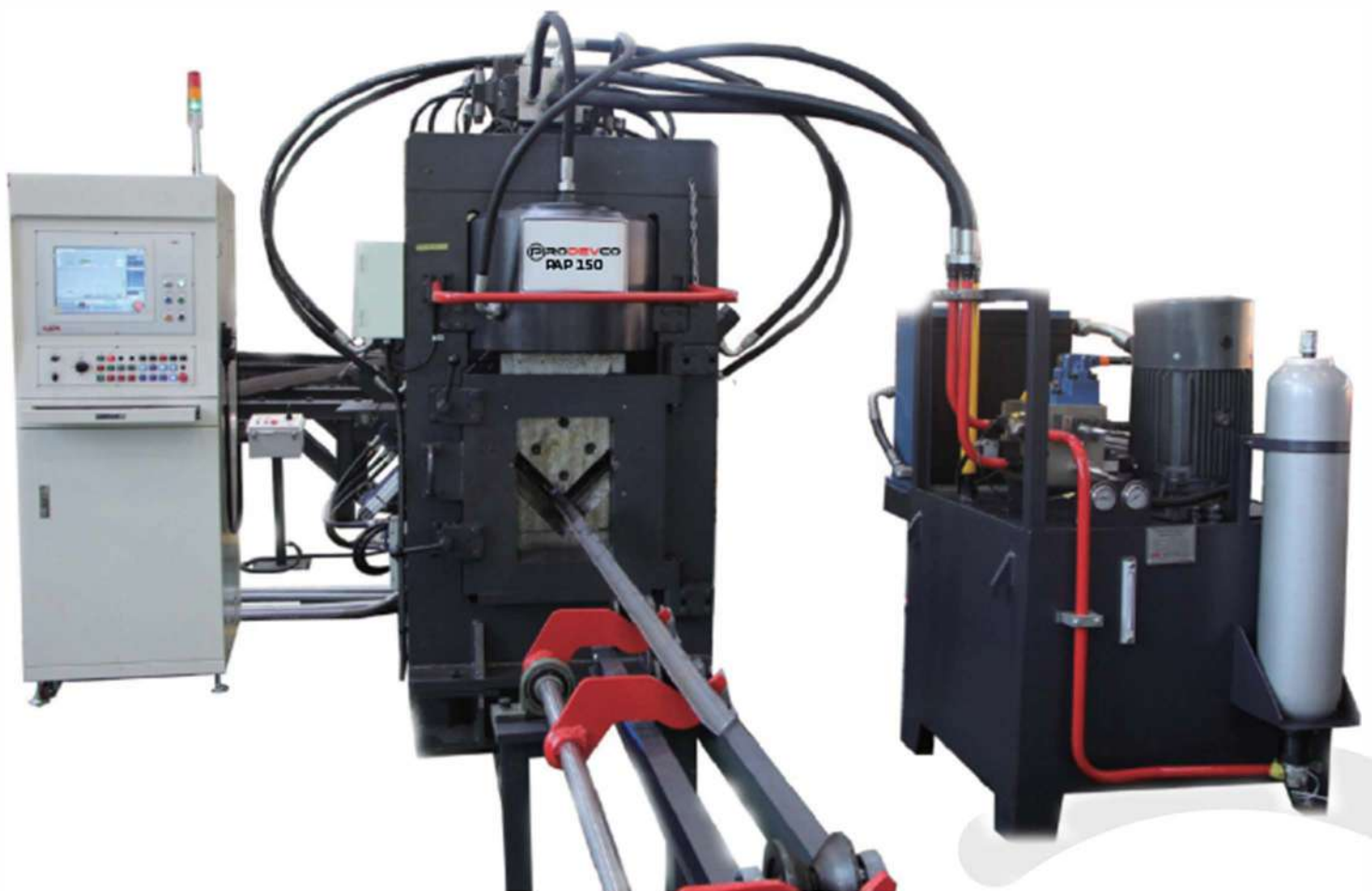
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The PSB 1050 stands out with its compact design, optimizing installation space without compromising power. This Shot Blast Machine ensures effective shot blasting, powered by a robust impeller. Key features include:

- ✔ Compact design which optimizes factory space without compromising capabilities
- ✔ Processing Quality: SSPC-SP5
- ✔ Infeed 40ft & outfeed 40ft Motorized Conveyors - Included
- ✔ Dust collector: 2500 cfm x 7.5 hp motor with bag filter & pulse air jet
- ✔ Steel shot, steel grit, and other blast media

Model	PSB 1050
Material	H-BEAM & I-BEAM
Capacity(HxWxL)	39"x20"x472" / 1000x500x1200mm
Purpose	De-scaling
Processing speed	Min.3 ~ Max. 10ft/min
Processing quality	Up to SSPC-SP5
Impeller unit	6set (Ø10"/270mmx10HP)
Dimension(W×L×H)	138"x157"x197" / 3500x4000x5000mm

## PAP Angle Punching Machine



**PAP 150**

## Specifications

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The PAP 150 Angle Processing Line offers a complete material handling and processing solution. The main features include:

- ✔ Auto tool change system is available for various holes processing
- ✔ Automatic processing of Marking, punching & shearing by hydraulic system
- ✔ Fast and precise material feeding by servo system - Carriage type
- ✔ Auto load and unload feature
- ✔ Window OS system for easy data load
- ✔ Single cut shear, no kerf

Model	PAP 150
<b>Max. Punch Limit capacity</b>	100 ton
<b>Max. Processing capacity</b>	2"x2"x1/8" / 50x50x4mm ~ 6"x6"x1/2" / 150x150x15mm
<b>Max. Punching capacity</b>	Ø1"x1/2" / Ø26x15mm
<b>Processing data entry</b>	Common Paterns Available
<b>Tool change</b>	ATC(Auto tool change) 3 set per axis
<b>Max Shear Unit capacity</b>	220 ton (Single cut)
<b>Shearing capacity</b>	2"x2"x1/8" / 50x50x4mm ~ 6"x6"x1/2" / 150x150x15mm
<b>In &amp; out feeding &amp; Supply type(Optional)</b>	IN : Automatic(Chain&Block Type) & Arm Supply Type Out : Automatic(Cylinder&Arm Type)
<b>Dimension(W×L×H)</b>	66"x102"x85" / 1680x2600x2150mm
<b>Weight</b>	20,000lb / 9,100kg
<b>Option</b>	Marking system, Auto nesting program

## PBM Plate Beveling Machine



**PBM 5000**

## Specifications

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Plate beveling machines are used to create beveled edges on metal plates, which is crucial for welding and fabrication processes. The main features of our plate beveling machine include

- ✓ Upper and lower cut beveling done simultaneously
- ✓ 2 adjustable milling heads for beveling
- ✓ Changeable tungsten carbide cutting insert
- ✓ Capable of beveling up to 70°
- ✓ Digital control bevel angle

Model		PBM 5000
Max plate length for beveling		197" / 5,000mm
Capacity	Ø1	0~70°
	Ø2	0~60°
	T	Max. 2" / 60mm
	C1	Max. 3/4" / 18mm (when 0=45°)
	C2	Max. 3/4" / 18mm (when 0=45°)
Cutting speed		4"-29"/min / 100-750 mm/min
Clamp		21 set
Dimension (L×W×H)		340"x74"x100" / 8630x1870x2540mm
Weight		36,370lb / 16,500kg



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