

Atlantic Blue Line

Bending,
punching, shearing
& plasma cutting



ATP, ATS, ATT, ATPL
Atlantic Blue Line
Sheet Metal

High level of technology, for competitive prices

Pressbrakes ATP

Standard configuration

- Y1 / Y2 synchro pressbrake
- Easy-Bend 2D graphical operator control
- X - Axis backgauge, programmable in 0.1mm increments
- CNC controlled hydraulic Anti deflection table (crowning)
- Programmable, angle, depth and TDC positioning
- European style quick release clamping for top tools
- Full set of top and bottom tooling
- 2 Front supports
- CE Safety specifications



Model 3200 mm x 1000 kN

Pressbrakes ATP

Technical specifications

Type	Bending Length	Capacity	Distance between side frames	Gap	Daylight Opening	Stroke	Table Height	Table Width	Fast Approach Speed	Max. Bending Speed	Return Speed	Motor Power	Length +/-	Width +/-	Height +/-	Weight +/-	Backgauge stroke
ATP	mm	kN	mm	mm	mm	mm	mm	mm	mm/s	mm/s	mm/s	kW	mm	mm	mm	kg	mm
15063	1500	630	1100	370	350	200	880	150	100	10	80	5.5	1825	1650	2600	4600	500
25063	2500	630	2060	370	350	200	880	150	100	10	80	5.5	2825	1650	2430	5600	500
32100	3200	1000	2700	400	400	200	880	200	100	10	80	7.5	3500	1650	2540	8000	500
42100	4200	1000	3700	400	400	200	880	200	100	10	80	7.5	4500	1650	2540	9500	500
32135	3200	1350	2700	400	400	200	880	200	100	10	80	11	3500	1650	2540	8500	500
42135	4200	1350	3700	400	400	200	880	200	100	10	80	11	4500	1650	2540	10000	500
32160	3200	1600	2700	400	400	200	880	200	100	10	100	11	3500	1650	2580	10000	500
42160	4200	1600	3700	400	400	200	880	200	100	10	100	11	4500	1650	2580	12000	500
32250	3200	2500	2700	400	400	200	880	200	100	10	100	15	3500	1730	2580	15000	500
42250	4200	2500	3700	400	400	200	880	200	100	10	100	15	4500	1730	2580	17000	500
30300	3000	3000	2500	400	400	200	880	250	80	8	85	18.5	3300	1950	2670	20000	500
40300	4000	3000	3150	400	400	200	880	250	80	8	85	18.5	4300	1950	2670	22000	500
50300	5000	3000	4050	400	400	200	880	250	80	8	85	18.5	5300	1950	2620	26000	500
40400	4000	4000	3150	400	400	320	880	250	80	8	80	30	4300	2100	3100	27000	500
50400	5000	4000	4050	400	400	320	880	250	80	8	80	30	5300	2100	3100	32000	500
60400	6000	4000	5050	400	400	320	880	250	80	8	80	30	6400	2100	3170	38000	500
40500	4000	5000	3050	400	610	320	990	300	75	8	75	37	4500	2700	5000	40000	700
50500	5000	5000	4050	400	610	320	990	300	75	8	75	37	5500	2700	5000	45000	700
60500	6000	5000	5050	400	610	320	990	300	75	8	75	37	6500	2700	5000	55000	700
60600	6000	6000	5050	400	650	320	990	300	80	8	80	40	6500	2700	5000	65000	700

OPTIONS ATP

- > Backgauge X-R or X-R-Z1/Z2
- > DSP Optical Safety Guard
- > 1000mm backgauge stroke

ADVANTAGES

In this system, the Y1 and Y2 axes operate as independent double acting hydraulic systems. Both axes share the same oil supply, but the flow to the valves as well as true position(s) of the ram are entirely and separately controlled by computer command.

The CNC reads the ram position from independent linear encoders while monitoring and adjusting the proportional valves, producing a double-closed loop system.

Accuracy is further ensured by mounting the linear encoders on a C-frame connected to the bed, rather than directly on the side frames, so deflection of the side frames and pressure loads do not affect positioning.



Impressive performances,
revolutionary prices

CNC Punching Machines ATT

Standard configuration

- 200 kN Nominal punching force
- High torque servo-electric motor to drive the punching RAM
- 30 Tons Hydraulic Punching Power
- Over-dimensioned mechano-welded and stress relieved O-type frame for high rigidity and precision
- Heavy duty AC brushless servo motors for X- and Y- axes
- Thick Turret with 30 stations (10 A, 14 B, 2 C and 4 D) with hardened and changeable sleeves
- 2 Auto-Indexable D stations
- Combined ball-brush punching table for easy sheet movement
- User-friendly CNC control Siemens 802 DSL
- Pneumatic floating sheet clamps
- Automatic sheet repositioning in the X-axis
- CE Safety Specifications



OPTIONS ATT

- > Air blow/Oil mist lubrication
- > 2 extra auto-indexable D stations
- > Punch Pro CAD/CAM software
- > Enhanced punching speed up to 900 hits/min
- > Programmable punching force and stroke adjustment
- > Multi Tool selection unit

ADVANTAGES

The well engineered mechanical parts in the H+L Hydraulic ram are manufactured according to high precision standards. The HS3 electronic stroke control is controlling the speed and stroke of the 30 tons hydraulic punching head.

Main driven device consists of big torque servo-motor with auto overload protection connecting the crank link rod. The machine automatically selects punching stroke for special punching such as louver, knockout... Constant punching force realizes high quality work pieces. Main servo-motors are at standby status during some operations or during sheet metal loading and unloading, which saves power by 40%.

CNC Punching Machines ATT

Technical specifications

Type	Nominal Punching Force	Max hit rate	Sheet Size Y	Sheet Size X	Max. X and Y Traverse Speed	Positioning accuracy	Max Sheet Thickness	Number of axis XYZTC	Max. Punching Diameter	Number of stations	Indexable stations	Turret Configuration	Turret Configuration	Turret Configuration	Turret Configuration	Turret Speed
ATT	kN	hits/mm	mm	mm	m/min	mm	mm		mm			A	B	C	D	rpm
20-1212	200	600	1250	1250	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30
20-1220	200	600	1250	2000	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30
20-1225	200	600	1250	2500	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30
20-1512	200	600	1500	1250	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30
20-1520	200	600	1500	2000	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30
20-1525	200	600	1500	2500	106	+/- 0.1	6.35	5	88.9	30	2xD	10	14	2	4	30



Rigidity and high geometric precision

Shears ATS Standard configuration

- Fixed rake angle for minimum deformation
- Motorised backgauge with stroke 600mm
- E10-S control with digital read-out of the backgauge position
- Soft padded and Tilting hold-downs for maximum grip and minimum sheet marking
- 1 Meter squaring arm with scale, T-slot and 1 tilting stop on left hand side
- 1 Meter squaring arm with scale, T-slot and 1 tilting stop on right hand side
- 2 additional support arms between the two squaring arms
- Quick manual blade gap adjustment by one single handle at the left hand side of the machine
- Cutting line illumination
- Possibility for increased cutting speed with limited capacity
- CE Safety Specifications



The ATS shear features a gap in the frame for slitting purposes

Shears ATS Technical specifications

Type	Working Length	Capacity Mild Steel (400N/mm)	Capacity Stainless Steel (700N/mm ²)	Rake Angle	Gap	Number of hold downs	Stroke Backgauge	Number of strok/min	Working Height	Motor	Length +/-	Width +/-	Height +/-	Weight +/-
ATS	mm	mm	mm		mm		mm		mm	kW	mm	mm	mm	kg
3206	3200	6	3	1°30'	145	13	20-600	12	800	7.5	3850	1600	1620	6220
4006	4000	6	3	1°30'	145	15	20-600	10	800	7.5	4650	1850	1700	8520
3212	3200	12	6	2°	300	13	20-800	9	800	18.5	4000	2100	1940	10700
4012	4000	12	6	2°	300	15	20-800	8	800	18.5	4800	2270	2000	13800
3216	3200	16	8	2°	320	13	20-800	8	800	22	4030	2390	2100	14300
4016	4000	16	8	2°	320	16	20-1000	7	800	30	4820	2490	2460	19700



ADVANTAGES

HACO has perfected the ability to deliver heavy duty shears. The Innovative design and box-type ram structure guarantee an improved stability and a greater accuracy.

ATS swing beam shears offer excellent cutting results and minimal deformation on small strips. Machines available with capacity up to 16mm and 4m cutting length.

The ATS shear features a gap in the frame for slitting purposes. It allows parts longer than the blade length to be cut.



A very powerful plasma solution

CNC Plasma Cutting Machine ATPL

Standard configuration

- Portable monoblock construction with small footprint
- Easy installation
- Dual side AC servo Y motorization with direct planetary gear box, helical rack and pinion drive system
- Precision Linear Rail Guide Ways in X and Y axis
- High speed torch lifter with automatic arc voltage height control
- Fully enclosed hose and cable carriers
- Hypertherm Micro Edge Pro CNC
- Integrated downdraft table with CNC programmable multi zone selection
- Integrated dross bins
- Magnetic Torch anti collision protection system
- Laser pointer for plate alignment
- CE safety specifications



CNC Plasma Cutting Machine ATPL

Technical specifications

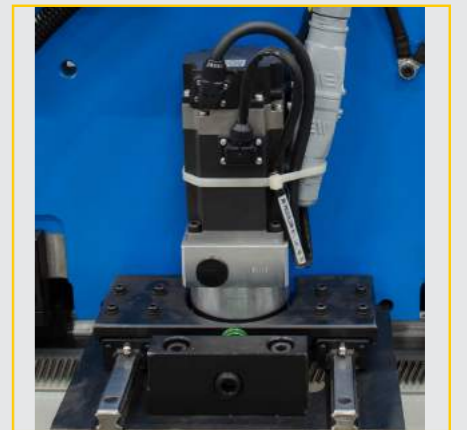
Type	Table Width	Table Length	Height Under Torch	Machine Width	Machine Length	Machine Height	Table Height	X Axis	Y Axis	Weight	Max. Positioning-speed (X-Y)	Total Power consumption (without Plasma system)
ATPL	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	m/min	KW
20-10	1000	2000	150	1850	3420	1710	800	1000	2000	2050	30	4
30-15	1500	3000	150	2350	4420	1710	800	1500	3000	2550	30	4
40-20	2000	4000	150	2850	5420	1710	800	2000	4000	3300	30	4
60-20	2000	6000	150	2850	7420	1710	800	2000	6000	4600	30	4



Hypertherm Graphical Micro Edge pro CNC control



Torch lifter with magnetic anti torch collision protection.



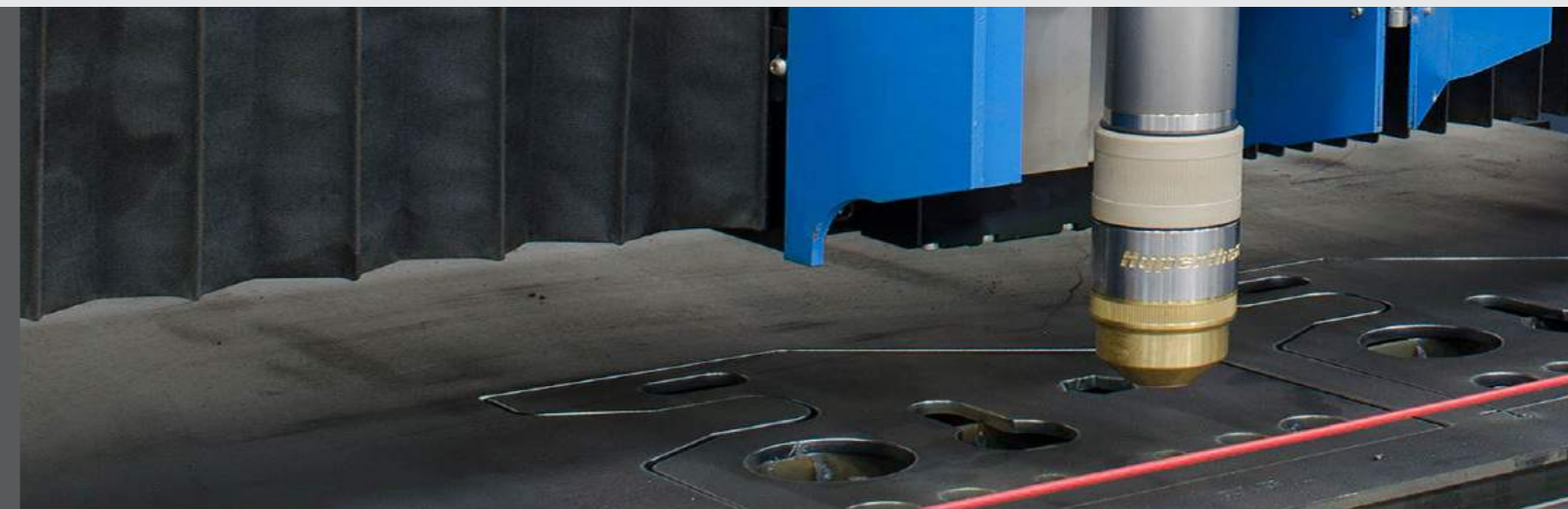
AC Servo motor with planetary gear box and helical Rack and Pinion Drive system.

OPTIONS

- > Hypertherm Edge Pro CNC
- > Portal extension
- > Tube Rotator for round pipes 30... 140 mm , Square pipes 20x20mm ... 100x100 mm
- > Movable drawer to collect parts and dross
- > Available with Hypertherm Powermax series, Maxpro200 series and HPRXD series plasma sources
- > True Hole technology (with HPRXD auto gas plasma source)
- > Fume extraction filter

ADVANTAGES

The made in Europe ATPL series plasma cutting machines provide a wide range of capabilities, including conventional high-speed plasma cutting, high definition plasma cutting and plasma marking. The machine is equipped with the Hypertherm Micro Edge Pro touch screen CNC with easy to use functions such as: Cutpro wizard, cutting optimization tips, built in process databank allows the operator to select the material type and thickness.





CNC Punching Machines



CNC Press Brakes



CNC Plasma Cutting Machines

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