



YOUR PRODUCTIVITY IS OUR BUSINESS

THE ABSOLUTE HYDRAULIC PRESS BRAKE



accurpress.com.au



Your Absolute Press Brake Solution

The ABSOLUTE hydraulic system is specifically designed for high speed, synchronized Y1/Y2 press brakes. The system achieves position and parallelism accuracies of $\pm 0.01\text{mm}$ via advanced, closed-loop hydraulics technology.

The Absolute electrical and hydraulic systems are designed by Australians specifically for the Australian market utilising the highest quality, high performance and cost-effective parts available in Australia. Downtime reduction is a feature of all

Accurpress Australia Press Brakes as the majority of electrical and hydraulic components are available in Australia, so in the unfortunate event of a machine breakdown, there are no lengthy waits for components from overseas to get your machine back online.

Accurpress Australia creates its own software for the control systems which allows us to change functionality according to customer requirements.

Green Energy Technology

All Accurpress Absolute Press Brakes are fitted with our Green Energy Technology. With this system in place the pump speed is continuously monitored to match the required oil flow. This dramatically reduces power consumption, noise levels, heat generation and oil quantity whilst significantly increasing operating speeds, service intervals and oil life. On our medium to large capacity machines, the power consumption can be

as low as 15% of the power consumption of a standard press brake of equivalent specifications. On machines above 200 tonnes, our Green Energy Technology includes two pumps, which in the event of a pump failure at any point in the machine's lifetime, the machine can still run on one pump until repairs are undertaken, significantly reducing downtime.

Absolute Single Y-axis

Our Absolute Single Cylinder frame structure is perfectly complimented by a rugged and rigid pressing beam, bed and frame. The massive 55mm linear guides support the Double Central Cylinder. This combination provides balanced forces and efficient motion over the entire stroke. The Absolute “S” model uses Servo-Proportional Valve Control Technology (PVC) to produce 180mm/s approach and return speeds, plus repeatability and accuracy of +/- 0.01mm. This model is designed to meet the demanding needs of the precision forming industry.



Absolute Low Tonnage Press Brakes

Accurpress Low Tonnage Press Brakes have capacities of 40 tonnes – 250 tonnes and are perfectly suited to small part manufacture as well as all sheet metal part manufacture up to any required length. A range of table configurations are available to suit specific tooling needs.



The standard approach and retract speeds are equivalent or higher than any other machines in the market and can optionally be increased to suit customer requirements. Additionally, stroke length and open height can be increased if necessary.

Absolute Intermediate Tonnage Press Brakes



Accurpress Medium Tonnage Press Brakes have capacities of 320 tonnes – 800 tonnes, are rugged and designed for pressing plate. They have stronger tool clamps, very solid frames and heavy-duty slides. Stroke length, open height, length, table size and force per metre can be designed to suit any application. The standard approach and retract speeds are equivalent or higher than any other machines in the market and can optionally be increased to suit customer requirements. Additionally, stroke length and open height can be increased if necessary.



Absolute High Tonnage Press Brakes

Accurpress High Tonnage press brakes have capacities of 1000 tonnes and above. Over the course of four decades, Accurpress has manufactured many thousands of press brakes including high tonnage and very specialized machines. Jobs that require massive tonnages to form heavy steel plate are dependent upon press brake manufactures who understand the processes that are needed to engineer and manufacture machinery which has the integral qualities

to withstand many years of operation in challenging and sophisticated forming applications. Accurpress is proud to offer a wide range of large tonnage machines built as single units or in tandem and offered with an assortment of optional gauging and tooling accessories that are also manufactured to handle extreme conditions. Accurpress engineer and build press brakes to suit your very specific requirements.

High Tonnage Back Gauging

High Tonnage Press Brakes, 1000 tonne and higher, deserve a back gauge with equivalent specifications. The Accurpress Super Heavy Duty Back Gauge is built specifically for large tonnage machines to handle the heaviest of structural plate applications. Every component has been engineered and sized to withstand huge shock loads. The Super Heavy Duty Back Gauge is only available in 6-axis configuration. Upgrade to 6-Axis Supreme Backguage in lieu of Premium Gauge (requires DA-66T upgrade).



Absolute Standard Features

- Delem DA-58T 15" Touchscreen Control
- Delem DA-66T on all machines 1000 tonnes and above
- Quick Release Tools Clamps up to 320 tonnes
- Heavy Duty Tool Clamps on 400 tonnes and above
- X and R Axis Servo Back Gauge
- Front Light Curtains with Teach Function
- Laser Guards
- Rear Light Curtains
- Accurcrown (automatic crowning)
- Two Swing type Support Arms with Stops
- Rear LED Lighting
- Metal Side Doors
- Lifetime lubricated Hardened and Chromed Slides
- Rexroth Low Noise Hydraulic Pumps
- Fast Approach and Return Speeds



Delem DA-58T Control

Accessories and Upgrades



Premium Sheet Supports

- Delem DA-66T and Delem DA-69T
- Z1, Z2 Back Gauge Axes (Requires DA-66T Upgrade)
- 6 Axis Supreme Back Gauge (Requires DA-66T Upgrade)
- CNC Sheet Followers – Single or Dual (Requires DA-66T Upgrade)
- Side parking Station for Sheet Followers
- Extra Stroke
- Extra Open Height
- Extra Throat Depth
- Dual Beam Safety - Laser and Light Curtains.
- Tandem Machine Options (Two machines side by side)
- Additional Operator Pedestal
- Hydraulic Top Tool Clamping



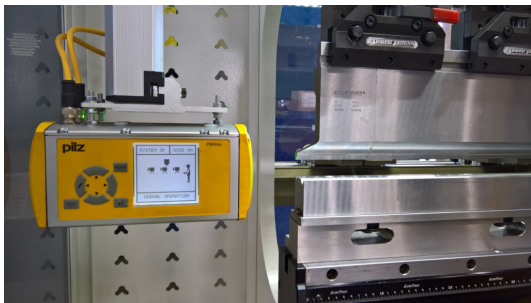
Upgrade to a Dual Axis CNC Sheet Follower with Side Parking Station

Press Brake Safety Systems

Accurpress Australia draws on decades of experience in safety systems and press brake control to provide the highest levels of safety, with little or no reduction in productivity. Our safety controls have redundant monitored systems to ensure that an unsafe condition cannot occur. The Lazer Safe PCSS controller monitors machine movement, pedals, emergency stops, laser guards, light curtains, reset buttons and contactors. Dual solid-state outputs are used for the activation of all solenoids to ensure maximum safety, delay-free valve sequence and unparalleled component life.



Lazer Safe Guarding System



Optional PILZ Guarding System

Accurpress Fully Automatic Power Lock Dies

Accurpress manufactures the largest and most versatile fully automatic die tooling worldwide to satisfy the enormous challenges and demands in the heaviest of bending applications. Fully automatic Power Lock Dies are available in the following configurations:

- Non-Crownable Adjustable Channel-lock
- Crownable Adjustable Channel-lock
- Standard Power-lock
- Heavy Duty Power-lock

Power Lock Dies allow quick fully automatic adjustment of die openings down to 12mm in just seconds, potentially saving hours per day in heavy tooling changes and reducing the associated risks Power Lock dies are controlled by the Delem control system and also replace the need for large quantities of tooling and their storage, reducing valuable workshop floor space.



Automatic Power Lock Die

Accurpress Tooling

Accurpress Australia can supply fully customised quality precision ground and hardened press brake tooling. Also a complete range of standard tooling to suit all press brake styles and manufacturers are available. We manufacture as per your individual requirements.

Tool Clamping

Accurpress Quick Clamps can be customizable to all major tooling systems or upgraded to systems such as the Wila New Standard Pro for extreme Press brake productivity. These systems allow quick tool changes that keep your assets producing the most parts with the least setup time.

Wila Hydraulic Clamping is also available as an option for your new Absolute Press Brake. Hydraulic Clamping allows instant clamping and releasing of tooling via your Delem controller removing the time taking for manually undoing tool clamps.



Accurpress Tooling and Wila Hydraulic Clamping

Standard Absolute Models

ABSOLUTE MODEL NUMBER	FORCE (TONNES)	LENGTH OF BED (mm)	DISTANCE BETWEEN FRAMES (mm)	BED HEIGHT (mm)	OVERALL LENGTH (mm)	DEPTH BELOW FLOOR (mm)	OVERALL HEIGHT (mm)	OVERALL WIDTH (mm)	STROKE (mm)	OPEN HEIGHT (mm)	CLOSED HEIGHT (mm)	THROAT DEPTH (mm)	FAST APPROACH (mm/s)	PRESSING (mm/s)	FAST RETURN (mm/s)	MAIN MOTOR (kW)	SHIPPING WEIGHT (kg)
S4012	40	1200	1160	850	1900	-	2420	1695	200	420	220	255	250	12	250	4	4500
304015	40	1200	1260	865	2500	-	2470	1450	200	460	260	320	250	12	250	4	2850
304020	40	2000	1700	865	3000	-	2470	1450	200	460	260	320	250	12	250	4	3300
304025	40	2500	2100	865	3500	-	2470	1450	200	460	260	320	250	12	250	4	4100
306320	63	2000	1700	865	3000	-	2535	1500	200	460	260	320	200	10	200	5.5	4250
306325	63	2500	2100	865	3500	-	2535	1500	200	460	260	320	200	10	200	5.5	4900
306332	63	3200	2700	865	4200	-	2535	1500	200	460	260	320	200	10	200	5.5	6000
310025	100	2500	2100	865	3500	-	2740	1755	250	470	220	460	220	10	220	7.5	7800
310032	100	3200	2700	865	4200	-	2740	1755	250	470	220	460	220	10	220	7.5	8600
310040	100	4050	3300	865	5000	-	2740	1755	250	470	220	460	220	10	220	7.5	9900
316032	160	3200	2700	865	4200	-	2800	1905	250	470	220	460	225	10	225	15	11500
316040	160	4050	3300	865	5000	-	2800	1905	250	470	220	460	225	10	225	15	13500
316050	160	5050	4100	865	6000	-	2800	1905	250	470	220	460	225	10	225	15	14600
320032	200	3200	2700	865	4200	-	2850	1958	250	470	220	460	260	12	260	22	14000
320040	200	4050	3300	865	5000	-	2850	1958	250	470	220	460	260	12	260	22	15500
320050	200	5050	4100	865	6000	-	2850	1958	250	470	220	460	260	12	260	22	19000
325040	250	4050	3300	865	5000	-	3080	1958	250	520	270	460	225	10	225	22	20000
325050	250	5050	4100	865	6000	-	3080	1958	250	520	270	460	225	10	225	22	24500
325060	250	6050	5100	865	7000	-	3080	1958	250	520	270	460	225	10	225	22	28200
332032	320	3200	2700	965	4200	-	3380	2360	300	570	270	460	175	8	175	22	22000
332040	320	4050	3300	965	5000	-	3380	2360	300	570	270	460	175	8	175	22	26000
332050	320	5050	4100	850	6000	180	3440	2360	300	570	270	460	175	8	175	22	30500
332060	320	6050	5100	850	7000	180	3440	2360	300	570	270	460	175	8	175	22	35000
340040	400	4050	3300	850	5000	180	3490	2440	320	630	310	460	220	9	220	30	30500
340050	400	5050	4100	850	6000	180	3490	2440	320	630	310	460	220	9	220	30	35500
340060	400	6050	5100	850	7000	250	3490	2440	320	630	310	460	220	9	220	30	41000
350040	500	4050	3300	950	5000	650	3900	2530	320	630	310	460	180	10	180	45	33000
350050	500	5050	4100	950	6000	650	4150	2530	320	630	310	460	180	10	180	45	38000
350060	500	6050	5100	950	7000	650	4320	2530	320	630	310	460	180	10	180	45	45500
360040	600	4050	3300	950	5000	720	4570	2700	320	630	310	700	150	10	150	45	46000
360050	600	5050	4100	950	6000	720	4570	2700	320	630	310	700	150	10	150	45	53000
360060	600	6050	5100	950	7000	720	4570	2700	320	630	310	700	150	10	150	45	60000
380040	800	4050	3300	950	5000	870	5000	3050	400	900	400	750	175	10	175	60	52000
380060	800	6050	5100	950	7000	870	5400	3050	400	900	400	750	175	10	175	60	93000
380080	800	8050	6600	950	9000	870	5600	3150	400	900	400	750	175	10	175	60	116000
3100060	1000	6050	5100	950	6000	2000	6200	3300	400	900	500	600	140	10	140	100	127000
3100080	1000	8050	6600	950	9500	2000	6860	3300	400	900	500	600	140	10	140	100	138000
31000120	1000	12000	9500	950	13500	2300	6860	3300	400	900	500	600	140	10	140	100	160000
3150080	1500	8050	6200	950	8200	2400	8500	3850	800	1350	550	600	120	10	120	130	182000
31500100	1500	10000	7300	950	10200	2400	8900	3850	800	1350	550	600	120	10	120	130	204000
3200080	2000	8050	6200	950	8200	2400	7800	4400	450	1000	550	600	140	10	140	200	260000
32000120	2000	12000	9050	950	12200	2400	7800	4400	450	1000	550	600	140	10	140	200	320000

PRINTED MAY 2023

Specifications are subject to change without notice. All Absolute models are customisable. 3000t models quoted based on individual requirement.

