



IntelliFab Synchronised

CNC Hydraulic Press brakes

IntelliFab CNC pressbrakes combine the highest bending performance with superior quality you can trust.

Expect nothing but the best features, build quality and value for your money

An intelligent machine, intelligently designed. The ultimate bending solution for your fabrication works:



When designing the IntelliFab CNC, we started with the goal of achieving the highest performance 4 - 6 axis CNC hydraulic press brake, at a reasonable cost.

Feedback gathered from our clients pointed us in the direction of European build quality, a mix of features and components that delivered a very high level of performance and value for money.

The result is IntelliFab Synchronised CNC - our highest performing press brake with the right quality, at the right price.



- Premium 'Made for Europe' build quality.
- Rigid frame with deep throat, machined to high tolerances.
- Premium components throughout - hydraulics, pump, electrics, motor, cylinders, control, backstop fingers and tooling are all selected for the highest performance and reliability with most spares readily available in South Africa.
- Intelligent approach to the operator's needs, with a fully featured full colour CNC control with up to 6 axes, fast, accurate multi-axis backstop, adjustable width and height front support arms on linear guides, quick release Z axis and servo motor R axis height adjustable fingers, full height side and rear safety guards and more.
- CNC controlled fully dynamic hydraulic crowning for accurate full length bends, every time.
- Excellent post sales support, including a 12 month parts and labour warranty.

Everything under control:



Embedded reliability - The DA-Touch controls feature the embedded, real-time Windows operating system for maximum reliability. Smooth start-ups ensured, even after instant shut-off:

- 17 inch, multi-touch LCD TFT display
- 3D visualization of bends
- Bend sequencing and collision detection
- Developed length calculation
- Intuitive interface for maximum productivity
- Bending force and tool safety
- Tool/material/product library
- Up to 6 axis for total control
- USB Interface
- Quick bending page for once off jobs
- Crowning control
- Made in the Netherlands

- Available in bed sizes from 1500mm to 6000mm and Tandem.
- Available in capacities from 40 ton to 600 ton.
- Control: Delem DA 56S (4 axis) or Delem DA 66T (6 axis).
- Electrical: Siemens.
- Seals: NOK Japan.
- Motor: Siemens, Germany.
- Pump: Voith, Germany.
- Hydraulics: Hoerbieger.
- Foot pedal: Up and down, with safety switch.
- Backstops: Running on ball screws with linear guides.
- Fingers: Quick release Z axis, flip up, multi-level backgauge fingers with servo drive R axis height adjustment.
- Bottom tools: Multi vee dies.
- Top tools: Top goose-neck tooling.
- Clamping: Adjustable wedge quick release top tooling clamps.
- Workpiece support: Quick release adjustable left, right, up and down front support arms on linear guides.
- Parallelism: Synchronised hydraulic cylinders with high resolution Heidenhein scales.
- Crowning: CNC controlled, fully dynamic crowning.
- Movement: Inching, single, automatic modes with fast approach to workpiece, stop and reverse.
- Safety rear: Full cage rear safety system.
- Safety side: Side safety guards.
- Safety tools: Optional AKAS/LaserSafe systems.
- Guarantee: 12 months parts and labour, see terms and conditions of sale.

| Model | Bending force | Bending length A | Distance between upright B | Throat depth D | Ram stroke C | Die setting height E | Ram speed | | | Main motor power | Oil tank volume | Overall dimension LxWxH | | | Weight |
|-------------|---------------|------------------|----------------------------|----------------|--------------|----------------------|-----------|----|-----|------------------|-----------------|-------------------------|------|-------|--------|
| | kN | mm | mm | mm | mm | mm | mm/s | | | kW | L | mm | | | kg |
| 80T x 2550 | 800 | 2550 | 2150 | 350 | 175 | 480 | 200 | 14 | 170 | 7.5 | 230 | 3140 | 1540 | 2240 | 6800 |
| 110T x 3100 | 1100 | 3100 | 2600 | 410 | 215 | 520 | 200 | 14 | 160 | 11 | 300 | 3590 | 1540 | 2530 | 9800 |
| 110T x 4100 | | 4100 | 3600 | | | | | | | | | 4590 | | | |
| 160T x 3100 | 1600 | 3100 | 2600 | 410 | 215 | 520 | 160 | 11 | 140 | 15 | 380 | 1600 | 2590 | 11900 | |
| 160T x 4100 | | 4100 | 3600 | | | | 430 | | | | 4610 | | | | |
| 220T x 3100 | 2200 | 3100 | 2600 | 410 | 215 | 530 | 130 | 10 | 120 | 18.5 | 400 | 1830 | 2630 | 15000 | |
| 220T x 4100 | | 4100 | 3600 | | | | | | | | 500 | | 4630 | | 2730 |
| 250T x 3100 | 2500 | 3100 | 2600 | 410 | 215 | 530 | 120 | 9 | 105 | 18.5 | 400 | 1830 | 2630 | 15100 | |
| 250T x 4100 | | 4100 | 3600 | | | | | | | | 500 | | 4630 | | 2730 |
| 300T x 3100 | 3000 | 3100 | 2600 | 410 | 265 | 580 | 130 | 9 | 100 | 22 | 450 | 1950 | 2750 | 20500 | |
| 300T x 4100 | | 4100 | 3600 | | | | | | | | 600 | | 4600 | | 3000 |