



Press Brakes are used to bend sheet metal with high precision. Using a punch and die, it forms material into angles, channels, and a wide range of profiles. It provides accurate, repeatable bending performance for both simple and complex parts.



## Standard Accessories:

- Delem DA53Tx Controller
- Top Punch
- Bottom Die
- 4 +1 Axis (50T-300T)
- 3+1 Axis (400T-1200T)
- Quick Clamp (50T-250T)
- Heavy-Duty Clamp (300T-1200T)
- Mechanical Deflection Compensation (except 50T1300-1600)
- Magnetic Linear Scale (GIVI, Italy)
- Light Curtain for Front and Rear Protection
- Back Gauge with Servo Motor
- Back Gauge Driven by Ballscrew with Hardened Linear Guideways (50T-300T)
- Back Gauge Driven by Ballscrew with Hardened Linear Guide Shafts (400T-1200T)
- Front Support
- Foot Switch
- LED Lighting
- Operation Manual

## Optional Controllers:

- **Delem:**
  - DA58TX (4+1)
  - DA66S (4+1/6+1)
  - DA69S (6+1/8+1)
- **ESA:**
  - S840R (4+1/6+1)
  - S875 (4+1/6+1/8+1)
- **Cybelelec:**
  - CT12 (4+1)
  - CT15 (4+1/6+1)

## Other Optional Accessories:

- S875 Dual Screen
- 5-Point DSP Laser Protection
- 9-Point DSP Laser Protection
- 5-Point Monitoring Valve
- Laser Bending Alignment Instrument
- Tools Storage Rack
- Optional Tooling
- Delem CAD/CAM Profile-3D Offline Software
- Machines can be supplied in Tandem

| Model                             | HPB 50-1300          | HPB 50-1600          | HPB 70-2000          | HPB 80-2500          | HPB 110-3200         | HPB 110-4100         | HPB 135-3200         | HPB 135-4100         |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>Bending Force</b>              | 500kN                | 500kN                | 700kN                | 800kN                | 1100kN               | 1100kN               | 1350kN               | 1350kN               |
| <b>Bending Length</b>             | 1300mm               | 1600mm               | 2000mm               | 2500mm               | 3200mm               | 4100mm               | 3200mm               | 4100mm               |
| <b>Oil Tank</b>                   | 130L                 | 130L                 | 130L                 | 170L                 | 170L                 | 170L                 | 170L                 | 170L                 |
| <b>Approaching Speed</b>          | 160mm/s              | 160mm/s              | 220mm/s              | 220mm/s              | 220mm/s              | 220mm/s              | 220mm/s              | 220mm/s              |
| <b>Ram Speed</b>                  | 13mm/s               | 13mm/s               | 13mm/s               | 12mm/s               | 12mm/s               | 12mm/s               | 10mm/s               | 10mm/s               |
| <b>Return Speed</b>               | 160mm/s              | 160mm/s              | 160mm/s              | 145mm/s              | 160mm/s              | 160mm/s              | 130mm/s              | 130mm/s              |
| <b>X-Axis Stroke</b>              | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                |
| <b>X-Axis Speed</b>               | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              |
| <b>R-Axis Stroke</b>              | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| <b>R-Axis Speed</b>               | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              |
| <b>Column Distance</b>            | 1120mm               | 1300mm               | 1600mm               | 2050mm               | 2700mm               | 3600mm               | 2700mm               | 3600mm               |
| <b>Throat Depth</b>               | 250mm                | 250mm                | 300mm                | 300mm                | 400mm                | 400mm                | 400mm                | 400mm                |
| <b>Stroke</b>                     | 150mm                | 150mm                | 150mm                | 150mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| <b>Daylight</b>                   | 460mm                | 460mm                | 460mm                | 460mm                | 480mm                | 480mm                | 480mm                | 480mm                |
| <b>ESTUN/Inovance Servo Motor</b> | 4.4/8.5kW            | 4.4/8.5kW            | 5.5/8.5kW            | 8.7/8.5kW            | 10.8/12.4kW          | 10.8/12.4kW          | 10.8/12.4kW          | 10.8/12.4kW          |
| <b>Weight</b>                     | 3.5T                 | 3.5T                 | 4.4T                 | 5.3T                 | 7.2T                 | 8.7T                 | 8.3T                 | 9.9T                 |
| <b>Dimensions (L x W x H)</b>     | 1750 x 1500 x 2330mm | 2050 x 1500 x 2330mm | 2400 x 1600 x 2400mm | 3100 x 1600 x 2460mm | 3750 x 2202 x 2700mm | 4700 x 1800 x 2700mm | 3800 x 1800 x 2700mm | 4700 x 1800 x 2700mm |

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Hydraulic Press Brakes shown in Tandem;  
available as an additional optional item.

| Model                      | HPB 170-3200         | HPB 170-4100         | HPB 170-5000         | HPB 170-6000         | HPB 220-3200         | HPB 220-4100         | HPB 220-5000         | HPB 220-6000         |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bending Force              | 1700kN               | 1700kN               | 1700kN               | 1700kN               | 2200kN               | 2200kN               | 2200kN               | 2200kN               |
| Bending Length             | 3200mm               | 4100mm               | 5000mm               | 6000mm               | 3200mm               | 4100mm               | 5000mm               | 6000mm               |
| Oil Tank                   | 300L                 | 300L                 | 300L                 | 300L                 | 300L                 | 300L                 | 300L                 | 300L                 |
| Approaching Speed          | 160mm/s              | 160mm/s              | 160mm/s              | 160mm/s              | 160mm/s              | 160mm/s              | 160mm/s              | 160mm/s              |
| Ram Speed                  | 10mm/s               | 10mm/s               | 10mm/s               | 10mm/s               | 9mm/s                | 9mm/s                | 9mm/s                | 9mm/s                |
| Return Speed               | 100mm/s              | 100mm/s              | 100mm/s              | 100mm/s              | 105mm/s              | 105mm/s              | 105mm/s              | 105mm/s              |
| X-Axis Stroke              | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                |
| X-Axis Speed               | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              |
| R-Axis Stroke              | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| R-Axis Speed               | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              |
| Column Distance            | 2700mm               | 3600mm               | 4000mm               | 4800mm               | 2600mm               | 3600mm               | 4000mm               | 4800mm               |
| Throat Depth               | 450mm                | 450mm                | 450mm                | 450mm                | 450mm                | 450mm                | 450mm                | 450mm                |
| Stroke                     | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| Daylight                   | 480mm                | 480mm                | 480mm                | 480mm                | 480mm                | 480mm                | 480mm                | 480mm                |
| ESTUN/Inovance Servo Motor | 13.2/17.8kW          | 13.2/17.8kW          | 13.2/17.8kW          | 13.2/17.8kW          | 16.7/21.4kW          | 16.7/21.4kW          | 16.7/21.4kW          | 16.7/21.4kW          |
| Weight                     | 10.3T                | 12T                  | 13.4T                | 18.5T                | 11.8T                | 13.9T                | 16.2T                | 19.9T                |
| Dimensions (L x W x H)     | 3800 x 2000 x 2800mm | 4700 x 2000 x 2800mm | 6300 x 2000 x 3160mm | 6300 x 2000 x 3160mm | 3800 x 2200 x 2850mm | 4700 x 2200 x 2850mm | 5600 x 2200 x 2980mm | 6700 x 2200 x 3220mm |

| Model                      | HPB 250-3200         | HPB 250-4000         | HPB 250-5000         | HPB 250-6000         | HPB 300-3200         | HPB 300-4000         | HPB 300-5000         | HPB 300-6000         |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bending Force              | 2500kN               | 2500kN               | 2500kN               | 2500kN               | 3000kN               | 3000kN               | 3000kN               | 3000kN               |
| Bending Length             | 3200mm               | 4000mm               | 5000mm               | 6000mm               | 3200mm               | 4000mm               | 5000mm               | 6000mm               |
| Oil Tank                   | 460L                 | 460L                 | 460L                 | 460L                 | 650L                 | 650L                 | 650L                 | 650L                 |
| Approaching Speed          | 130mm/s              | 130mm/s              | 130mm/s              | 130mm/s              | 120mm/s              | 120mm/s              | 120mm/s              | 120mm/s              |
| Ram Speed                  | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 9mm/s                | 9mm/s                | 9mm/s                | 9mm/s                |
| Return Speed               | 100mm/s              | 100mm/s              | 100mm/s              | 100mm/s              | 110mm/s              | 110mm/s              | 110mm/s              | 110mm/s              |
| X-Axis Stroke              | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                |
| X-Axis Speed               | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              | 350mm/s              |
| R-Axis Stroke              | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| R-Axis Speed               | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              |
| Column Distance            | 2600mm               | 3100mm               | 3800mm               | 4800mm               | 2600mm               | 3100mm               | 3800mm               | 4800mm               |
| Throat Depth               | 450mm                | 450mm                | 450mm                | 450mm                | 500mm                | 500mm                | 500mm                | 500mm                |
| Stroke                     | 250mm                | 250mm                | 250mm                | 250mm                | 250mm                | 250mm                | 250mm                | 250mm                |
| Daylight                   | 540mm                | 540mm                | 540mm                | 540mm                | 570mm                | 570mm                | 570mm                | 570mm                |
| ESTUN/Inovance Servo Motor | 16.7/21.4kW          | 16.7/21.4kW          | 16.7/21.4kW          | 16.7/21.4kW          | 21.4/25.1kW          | 21.4/25.1kW          | 21.4/25.1kW          | 21.4/25.1kW          |
| Weight                     | 15T                  | 16.4T                | 20.5T                | 25T                  | 18T                  | 19.9T                | 26.3T                | 29.7T                |
| Dimensions (L x W x H)     | 3800 x 2200 x 3120mm | 4600 x 2200 x 3150mm | 5600 x 2150 x 3150mm | 6300 x 2150 x 3150mm | 3500 x 2250 x 3200mm | 4300 x 2500 x 3400mm | 5300 x 2500 x 3400mm | 6300 x 2500 x 3400mm |

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| Model                  | HPB 400-4000         | HPB 400-5000         | HPB 400-6000         | HPB 500-4000         | HPB 500-5000         | HPB 500-6000         | HPB 600-4000         |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bending Force          | 4000kN               | 4000kN               | 4000kN               | 5000kN               | 5000kN               | 5000kN               | 6000kN               |
| Bending Length         | 4000mm               | 5000mm               | 6000mm               | 4000mm               | 5000mm               | 6000mm               | 4000mm               |
| Oil Tank               | 800L                 | 800L                 | 800L                 | 760L                 | 760L                 | 760L                 | 1050L                |
| Approaching Speed      | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               |
| Ram Speed              | 8mm/s                | 8mm/s                | 8mm/s                | 9.5mm/s              | 9.5mm/s              | 9.5mm/s              | 8.5mm/s              |
| Return Speed           | 80mm/s               | 80mm/s               | 80mm/s               | 110mm/s              | 110mm/s              | 110mm/s              | 85mm/s               |
| X-Axis Stroke          | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                |
| X-Axis Speed           | 200mm/s              | 200mm/s              | 200mm/s              | 220mm/s              | 200mm/s              | 200mm/s              | 200mm/s              |
| R-Axis Stroke          | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| R-Axis Speed           | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               |
| Column Distance        | 3100mm               | 3800mm               | 4800mm               | 3100mm               | 3800mm               | 4800mm               | 3100mm               |
| Throat Depth           | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 500mm                | 600mm                |
| Stroke                 | 300mm                | 300mm                | 300mm                | 300mm                | 300mm                | 300mm                | 320mm                |
| Daylight               | 610mm                | 610mm                | 610mm                | 610mm                | 610mm                | 610mm                | 650mm                |
| Step/Servo Motor       | 26.9/31.2kW          | 26.9/31.2kW          | 26.9/31.2kW          | 33/35.2kW            | 33/35.2kW            | 33/35.2kW            | 45/47.5kW            |
| Weight                 | 27.5T                | 30.3T                | 36.6T                | 34.2T                | 38T                  | 43.6T                | 44.6T                |
| Dimensions (L x W x H) | 4300 x 2700 x 3500mm | 5300 x 2700 x 3500mm | 6300 x 2700 x 3500mm | 4300 x 2700 x 3500mm | 5300 x 2700 x 3500mm | 6300 x 2700 x 3600mm | 4300 x 3300 x 3900mm |

| Model                  | HPB 600-5000         | HPB 600-6000         | HPB 800-4000         | HPB 800-5000         | HPB 800-6000         | HPB 800-8000         | HPB 1000-5000        |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bending Force          | 6000kN               | 6000kN               | 8000kN               | 8000kN               | 8000kN               | 8000kN               | 10000kN              |
| Bending Length         | 5000mm               | 6000mm               | 4000mm               | 5000mm               | 6000mm               | 8000mm               | 5000mm               |
| Oil Tank               | 1050L                | 1050L                | 1800L                | 1800L                | 1800L                | 1800L                | 1700L                |
| Approaching Speed      | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               |
| Ram Speed              | 8.5mm/s              | 8.5mm/s              | 8mm/s                | 8mm/s                | 8mm/s                | 8mm/s                | 8.5mm/s              |
| Return Speed           | 85mm/s               | 85mm/s               | 90mm/s               | 90mm/s               | 90mm/s               | 90mm/s               | 100mm/s              |
| X-Axis Stroke          | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                |
| X-Axis Speed           | 220mm/s              | 200mm/s              | 220mm/s              | 220mm/s              | 220mm/s              | 200mm/s              | 200mm/s              |
| R-Axis Stroke          | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| R-Axis Speed           | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               |
| Column Distance        | 3800mm               | 4800mm               | 2800mm               | 3700mm               | 4600mm               | 6300mm               | 3600mm               |
| Throat Depth           | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                |
| Stroke                 | 320mm                | 320mm                | 320mm                | 320mm                | 320mm                | 320mm                | 400mm                |
| Daylight               | 650mm                | 650mm                | 800mm                | 800mm                | 800mm                | 800mm                | 920mm                |
| Step/Servo Motor       | 45/47.5kW            | 45/47.5kW            | 2 x 26.9/2 x 31.2kW  | 2 x 26.9/2 x 31.2kW  | 2 x 26.9/2 x 31.2kW  | 2 x 26.9/2 x 31.2kW  | 2 x 33/2 x 35.2kW    |
| Weight                 | 49.5T                | 56T                  | 57T                  | 66T                  | 74T                  | 87.5T                | 78T                  |
| Dimensions (L x W x H) | 5300 x 3300 x 3900mm | 6300 x 3300 x 3900mm | 4250 x 3500 x 4100mm | 5300 x 3600 x 4420mm | 6300 x 3600 x 4300mm | 8300 x 3600 x 4500mm | 5260 x 4410 x 4260mm |

| Model                  | HPB 1000-6000        | HPB 1000-7000        | HPB 1000-8000        | HPB 1200-5000        | HPB 1200-6000        | HPB 1200-7000        | HPB 1200-8000        |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bending Force          | 10000kN              | 10000kN              | 10000kN              | 12000kN              | 12000kN              | 12000kN              | 12000kN              |
| Bending Length         | 6000mm               | 7000mm               | 8000mm               | 5000mm               | 6000mm               | 7000mm               | 8000mm               |
| Oil Tank               | 1700L                | 1900L                | 1900L                | 2300L                | 2300L                | 2300L                | 2300L                |
| Approaching Speed      | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               |
| Ram Speed              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              | 8.5mm/s              |
| Return Speed           | 100mm/s              | 100mm/s              | 100mm/s              | 80mm/s               | 80mm/s               | 80mm/s               | 80mm/s               |
| X-Axis Stroke          | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                | 980mm                |
| X-Axis Speed           | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              | 200mm/s              |
| R-Axis Stroke          | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                | 200mm                |
| R-Axis Speed           | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               | 40mm/s               |
| Column Distance        | 4600mm               | 5600mm               | 6300mm               | 3500mm               | 4500mm               | 5300mm               | 6300mm               |
| Throat Depth           | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                | 600mm                |
| Stroke                 | 400mm                | 400mm                | 400mm                | 400mm                | 400mm                | 400mm                | 400mm                |
| Daylight               | 920mm                | 920mm                | 920mm                | 920mm                | 920mm                | 920mm                | 920mm                |
| Step/Servo Motor       | 2 x 33/2 x 35.2kW    | 2 x 33/2 x 35.2kW    | 2 x 33/2 x 35.2kW    | 2 x 45/2 x 47.5kW    | 2 x 45/2 x 47.5kW    | 2 x 45/2 x 47.5kW    | 2 x 45/2 x 47.5kW    |
| Weight                 | 88T                  | 96T                  | 106T                 | 97T                  | 106T                 | 113T                 | 123T                 |
| Dimensions (L x W x H) | 6260 x 4410 x 4460mm | 7310 x 4410 x 4680mm | 8300 x 4410 x 4980mm | 5280 x 4620 x 4260mm | 6280 x 4620 x 4560mm | 7280 x 4620 x 4860mm | 8280 x 4620 x 5060mm |

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