

# HBX

## Hydraulic CNC Shears

Innovative & cutting-edge

**HIGH QUALITY & HIGH PERFORMANCE**



- Monoblock, steel welded construction
- High precision cutting
- CNC controlled motorised back gauge
- Automatic blade gap adjustment
- Rear light guarding safety system
- Cybex Cybtouch 8 touch screen



# HBX

## HYDRAULIC GUILLOTINE SHEARS

HM MACHINERY proudly presents a new range of variable rake CNC controlled hydraulic guillotine shears. Strong in construction, and easy to use, with automatic blade gap, and rake adjustment, for different sheet thicknesses and material types. With fast back-gauge positioning through the CNC control, the highest levels of accurate cutting can be achieved.

The HBX Hydraulic CNC Shears have been developed with focus on design, quality, functionality and performance.

**Quality:** Manufactured in Europe using the highest grade materials and components.

**Components:** Electrical system incorporating Siemens components from Germany.  
High quality, hardened blades from Bohler in Germany.  
Bosch Rexroth hydraulic system from Germany  
CybeleC CybTouch 8 CNC control from Switzerland

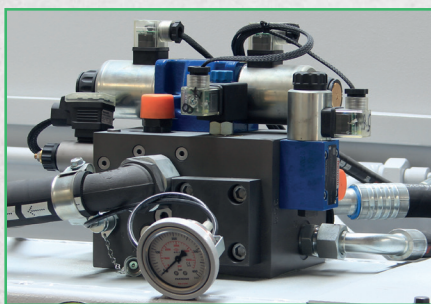
**Functionality:** A simple and logical touch screen display which reduces set up times.  
CNC control and adjustment of the back-gauge, blade gap and rake angle.



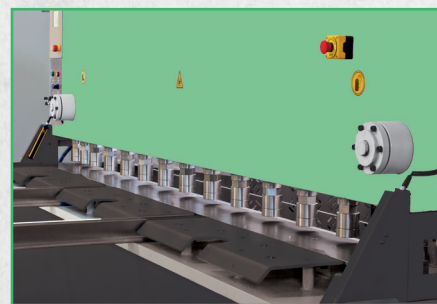
All machines are CE marked and carry this mark.



7" userfriendly touch-screen.  
CybTouch 8G



Bosch Rexroth Hydraulic System



Optional: Light guard for finger protection  
at the front

| Model        | CUTTING LENGTH (mm) | CUTTING CAPACITY (42kg/mm <sup>2</sup> ) | CUTTING CAPACITY (70kg/mm <sup>2</sup> ) | CUTTING ANGLE (Deg.) | STROKE PER MINUTE | NUMBER OF HOLD DOWNS | MAIN MOTOR (kW) |
|--------------|---------------------|------------------------------------------|------------------------------------------|----------------------|-------------------|----------------------|-----------------|
| HBX 2000-40  | 2050mm              | 4mm                                      | 2mm                                      | 0,7 - 2,4            | 23                | 9                    | 11              |
| HBX 2000-60  | 2050mm              | 6mm                                      | 3mm                                      | 0,7 - 2,4            | 23                | 9                    | 11              |
| HBX 2000-100 | 2050mm              | 10mm                                     | 5mm                                      | 0,7 - 2,4            | 13,0              | 9                    | 15              |
| HBX 2500-40  | 2550mm              | 4mm                                      | 3mm                                      | 0,7 - 2,9            | 17,0              | 12                   | 11              |
| HBX 2500-60  | 2550mm              | 6mm                                      | 3mm                                      | 0,7 - 2,9            | 17,0              | 12                   | 11              |
| HBX 2500-80  | 2550mm              | 8mm                                      | 4mm                                      | 0,7 - 2,4            | 14,5              | 12                   | 15              |
| HBX 2500-100 | 2550mm              | 10mm                                     | 5mm                                      | 0,7 - 3,2            | 11,0              | 12                   | 15              |
| HBX 2500-130 | 2550mm              | 13mm                                     | 6mm                                      | 0,7 - 3,2            | 7,5               | 12                   | 18,5            |
| HBX 3000-60  | 3050mm              | 6mm                                      | 3mm                                      | 0,7 - 2,4            | 17,0              | 14                   | 11              |
| HBX 3000-80  | 3050mm              | 8mm                                      | 4mm                                      | 0,7 - 2,0            | 14,5              | 14                   | 15              |
| HBX 3000-100 | 3050mm              | 10mm                                     | 5mm                                      | 0,7 - 2,7            | 11,0              | 14                   | 15              |
| HBX 3000-130 | 3050mm              | 13mm                                     | 6mm                                      | 0,7 - 2,7            | 7,5               | 14                   | 18,5            |
| HBX 4000-60  | 4050mm              | 6mm                                      | 3mm                                      | 0,7 - 2,4            | 13,5              | 18                   | 11              |
| HBX 4000-80  | 4050mm              | 8mm                                      | 4mm                                      | 0,7 - 2,0            | 12,0              | 18                   | 15              |
| HBX 4000-100 | 4050mm              | 10mm                                     | 5mm                                      | 0,7 - 2,7            | 10,8              | 18                   | 15              |



**HM MACHINERY**



## STANDARD EQUIPMENT:

- Cybelelec Cybtouch 8 touch screen CNC controller
- CNC controlled blade gap and rake angle adjustment
- CNC controlled motorized back gauge of 750 mm
- High quality and hardened blades with 4 cutting edges
- Electrical components from Schneider
- Bosch Rexroth hydraulic system
- Illumination of cutting line
- Table extensions of 1000mm each
- Front table with rollers
- 1 meter squaring arm with inch and metric ruler
- Optical rear safety system
- Emergency stops
- Back sliding sheets
- Collapsible finger protection cage
- Rear photocell protection
- Movable foot pedal with emergency stop
- Manufactured according to CE regulations



## OPTIONAL EQUIPMENT:

- Pneumatic sheet support system for thin materials
- Angular gauge
- Longer front support arms
- Laser cutting line
- Anti-twist system
- Light guard for finger protection at front
- Front sheet feeding system
- Conveyor
- Stacking system
- Blades for stainless cutting
- Oil cooler / heater
- X1, X2 adjustable angle back gauge system



| BACK GAUGE STROKE | OIL CAPACITY | BLADE GAP ADJUSTMENT | BACK GAUGE SPEED | NUMBER OF SHEET SUPPORT ARM | TABLE HEIGHT | DISTANCE BETWEEN COLUMNS | LENGHT | WIDTH  | HEIGHT | WEIGHT  |
|-------------------|--------------|----------------------|------------------|-----------------------------|--------------|--------------------------|--------|--------|--------|---------|
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 850mm        | 2250mm                   | 2685mm | 2350mm | 1680mm | 3200kg  |
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 850mm        | 2250mm                   | 2685mm | 2350mm | 1680mm | 4000kg  |
| 600mm             | 200L         | 0,05 - 0,8mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2250mm                   | 2685mm | 2350mm | 2000mm | 6000kg  |
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2750mm                   | 3200mm | 2350mm | 1800mm | 3100kg  |
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2750mm                   | 3200mm | 2350mm | 1800mm | 5500kg  |
| 1000mm            | 200L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2750mm                   | 3200mm | 2350mm | 1800mm | 6400kg  |
| 750mm             | 200L         | 0,05 - 0,8mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2750mm                   | 3200mm | 2600mm | 2000mm | 6800kg  |
| 750mm             | 250L         | 0,05 - 0,8mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 2800mm                   | 3250mm | 2660mm | 2100mm | 7500kg  |
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 3250mm                   | 3700mm | 2350mm | 1800mm | 6000kg  |
| 600mm             | 200L         | 0,05 - 0,6mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 3250mm                   | 3700mm | 2350mm | 1800mm | 7000kg  |
| 750mm             | 200L         | 0,05 - 0,8mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 3250mm                   | 3750mm | 2600mm | 2000mm | 7200kg  |
| 750mm             | 250L         | 0,05 - 0,8mm         | 110 mm/sec       | 2 pcs                       | 900mm        | 3300mm                   | 3750mm | 2660mm | 2100mm | 8750kg  |
| 600mm             | 150L         | 0,05 - 0,6mm         | 110 mm/sec       | 3 pcs                       | 950mm        | 4300mm                   | 4800mm | 2550mm | 2000mm | 8500kg  |
| 1000mm            | 200L         | 0,05 - 0,6mm         | 110 mm/sec       | 3 pcs                       | 950mm        | 4250mm                   | 4800mm | 2550mm | 2000mm | 8800kg  |
| 750mm             | 200L         | 0,05 - 0,8mm         | 110 mm/sec       | 3 pcs                       | 900mm        | 4250mm                   | 4700mm | 2700mm | 2200mm | 12000kg |





**HM Machinery** | Part of **Scantool Group** | Industrivej 3-9, 9460 Brovst  
| Denmark | Tel. +45 98 23 60 88 | [info@scantool-group.dk](mailto:info@scantool-group.dk)

