

Guillotine Shears

KHT V 4020 CNC hydraulic guillotine shear

SKU : 183309

The guillotine shears of the KHT V CNC series are produced in a state-of-the-art manufacturing facility. The construction with a guided cutter bar with adjustable cutting angle guarantees minimal twisting in the workpiece and thus reduces rework. The control is operated on a touchscreen. Cutting gap, cutting angle and cutting length are automatically optimally positioned. The high-quality backgauge is robust and precise, and the standard blades are suitable for stainless steel. Additional accessories expand the range of applications of the guillotine shears.

- Cybelec Touch 8 control
- Controlled back gauge with preloaded ball screw
- Controlled kerf adjustment
- Controlled cutting angle adjustment
- Knife suitable for stainless steel



TECHNICAL SPECS

WORKING AREA

Working length	4100 mm
Throat depth	150 mm
Cutting angle	0.5 deg - 2 deg
Strokes per minute	4 H/min - 8 H/min
Hold-down	20 positions
Hold-down capacity	32 t
Table size	4430 mm x 650 mm x 950 mm

Motor rating main drive 45 kW

Hydraulic tank volume 500 l

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	5.7 m x 3.8 m x 2.85 m
Weight	28000 kg

BACK GAUGE

Rear stop	1000 mm
Feed speed X-axis	9000 mm/min

FRONT SUPPORT ARMS

Number of support arms	3 positions
Length of support arms	1000 mm

CUTTING CAPACITIES

Plate thickness (max.) - 20 mm	450 N/mm ²
Plate thickness(max.) - 13 mm	700 N/mm ²

DRIVE CAPACITY



With the optional pneumatically controlled plate hold-up fixture even thin metal sheets can be positioned with high accuracy at the back gauge



Premium components for guaranteed-lasting reliable operation



CybTouch 8 G is a powerful control that perfectly complements premium plate shears

PRODUCT DETAILS

These guided hydraulic plate shears with CNC-controlled back gauge, kerf and cutting angle combine high quality and reliability with a user-friendly design

Machine Frame

- The very rigid and heavy machine frame has been welded to tight tolerances and annealed
- The machine frame has been machined on a state-of-the-art 5-axis milling machine in one single setup to ensure more precise cuts and extended life
- All components subject to tensile loads have been carefully constructed and designed with large radii to permanently eliminate the risk of cracking
- The table features a bottom cutter mount and cutter bar and has been designed for minimal torsion and optimum load distribution
- All components were treated in a modern paint and drying system and feature two coats of paint, each coat with a minimum thickness of 60 micron

Material Support

- The large work table features roller balls and a rigid lateral angular stop for easy handling and safe plate alignment
- Long, sturdy support arms safely hold large plates

Hydraulics

- Polished pistons on both hydraulic cylinders feature superior 2 micron surface grades, ensuring a long seal life
- Cylinder bodies are forged from high-strength SAE 1040 material
- The entire hydraulic system is reliable, low-maintenance and easy to service
- During the cut, hydraulically regulated hold-downs ensure steady fixation of the sheet metal plate close to the cut-line

Back Gauge and Control

- Length, thickness, and strength of the plate material can easily be entered by the user into the programmable control unit, which then automatically will select the appropriate positions for kerf, cutting angle and cutting length
- The back gauge system is very robust and perfectly suited for rough production environments
- Linear guides and preloaded ball screws are mounted in a protective enclosure

Equipment

- Electric components made by renowned manufacturers ensure problem-free operation and high availability
- Upper and lower knives suitable for stainless steel
- The machine is operated via a foot pedal with emergency stop switch, and the pedal can be located wherever it is most convenient
- The upper knife features 2 cutting edges, the lower knife has 4 cutting edges
- Eco-friendly and energy-saving, guillotine shears of the KHT CNC series have an easily activated ECO mode

Safety

- Safety features are based on the latest CE regulations
- The rear-mounted light barrier system protects the work area

STANDARD EQUIPMENT

Cybelec Touch 8 G controller
 Energy saving function ECO mode
 CNC controlled blade gap adjustment
 Motorized back-gauge
 Shadow graph display of cut line
 Material support table with rollers
 Support arms

Lateral stop
Foot switch with emergency stop switch
Finger guard
Safety system for work area, back gauging
Standard upper and lower knife for stainless steel sheets
Operating manual

OPTIONAL EQUIPMENT

- Support arm L = 1,500 mm for KHT V CNC, SKU : 254206
- Support arm L = 2,000 mm for KHT V CNC, SKU : 254209
- Squaring arm, L = 1,500 mm for KHT V CNC, SKU : 254207
- Squaring arm, L = 2,000 mm for KHT V CNC, SKU : 254210
- Adjustable angle stop 0 - 180 ° for KHT V CNC, SKU : 254208
- Automatic central lubrication system for KHT V CNC, SKU : 254211
- Hydraulic oil cooler for KHT V CNC, SKU : 254212
- Sheet hold-up device (fixed) for 4006 - 4010, SKU : 254214