

**SKU : 470652**

**TRIAL MACHINE**

**The machine is tested and fully functional and comes with a 12-month warranty**

Plate shears of the KHT V CNC series are manufactured in a state-of-the-art production facility. The design features a sliding-block guided cutter bar with adjustable cutting angle to ensure minimal workpiece torsion and less rework. The control is operated via touchscreen. Kerf, cutting angle, and cutting length are automatically set to their optimal position. The high-quality back gauge is robust and precise, and the included cutters are suitable for cutting stainless steel. Additional accessories are available to extend the plate shears range of applications.

- Cybele 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	3050 mm
Throat	150 mm
Cutting angle	0.5 deg - 2 deg
Strokes per minute	19 H/min
Hold-down	16 positions
Hold-down capacity	25 t
Table size	3380 mm x 550 mm x 830 mm

### BACK GAUGE

Rear stop	1000 mm
Feed speed X-axis	350 mm/min

### FRONT SUPPORT ARMS

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

### CUTTING CAPACITIES

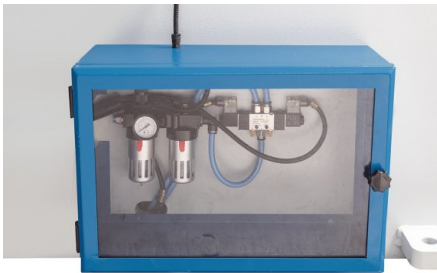
Plate thickness (max.) - 450 N/mm <sup>2</sup>	10 mm
Plate thickness(max.) - 700 N/mm <sup>2</sup>	6 mm

### DRIVE CAPACITY

Motor rating main drive	22 kW
Hydraulic tank volume	200 l

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	4.15 m x 3.6 m x 2.1 m
Weight	9600 kg



## 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

### The machine comes standard with the following options

- Pneumatic sheet hold-up device
- Lateral stop with angle adjustment

### Standard Equipment

- Cybelec Touch 8 G control
- CNC-controlled kerf adjustment
- CNC-controlled cutting length adjustment
- CNC controlled cutting angle adjustment
- Controlled back gauge
- Shadow graph display of cut line
- Material support table with rollers
- Support arm
- Foot pedal with emergency stop switch
- Lateral stop
- Finger guard
- Safety system for work area, back gauging

- Upper and lower cutter for stainless steel plates included
- ECO Mode energy saving function
- Operation manual



## KNUTH on YouTube

### Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**