

# Guillotine Shears

## KHT V 3016 CNC

**SKU : 183303**

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.

- 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 depth	150 mm
Cutting angle	0.5 deg - 2 deg
Strokes per minute	7 H/min - 12 H/min
Hold-down	16 positions
Hold-down capacity	25 t
Table size	3400 mm x 560 mm x 850 mm

#### DRIVE CAPACITY

Motor rating main drive	37 kW
Hydraulic tank volume	315 l

#### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	4.15 m x 3.8 m x 2.5 m
Weight	18500 kg

#### BACK GAUGE

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

#### FRONT SUPPORT ARMS

Number of support arms	2 positions
Length of support arms	1000 mm

#### CUTTING CAPACITIES

Plate thickness (max.) - 450 N/mm <sup>2</sup>	16 mm
Plate thickness(max.) - 700 N/mm <sup>2</sup>	10 mm



*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

## OPTIONAL EQUIPMENT

- Support arm L =1,500 mm for KHT V CNC, SKU : 254206
- Squaring arm, L = 1,500 mm for KHT V CNC, SKU : 254207
- Adjustable angle stop 0 - 180 ° for KHT V CNC, SKU : 254208
- Support arm L =2,000 mm for KHT V CNC, SKU : 254209
- Squaring arm, L = 2,000 mm for KHT V CNC, SKU : 254210
- 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 3016 - 3020, SKU : 254215