

### SKU : 184217

The models from the KHT M NC series are built under a swing-beam design. The cutting bar is guided in a pivot bearing anchored in the machine body making cuts very straight without the risk of upper and lower blades jamming. The robust back gauge precisely positioned via the ESTUN 21 NC controller.

- Estun E21 NC control
- Back gauge with preloaded ball screws gauge
- Pneumatic plate hold-up feature
- Cutter also suitable for stainless steel
- Adjustable angular stop



## TECHNICAL SPECS

### WORKING AREA

Working length	4000 mm
Throat depth	150 mm
Cutting angle	1.5 deg
Strokes per minute	10 H/min
Hold-down	14 positions
Hold-down capacity	44 t
Table size	4375 mm x 520 mm x 860 mm

### BACK GAUGE

Rear stop	1000 mm
Feed speed X-axis	2280 mm/min

### FRONT SUPPORT ARMS

Number of support arms	4 positions
Length of support arms	1000 mm

### CUTTING CAPACITIES

Plate thickness (max.) - 450 N/mm <sup>2</sup>	12 mm
Plate thickness(min.) - 400 N/mm <sup>2</sup>	1.2 mm
Plate thickness(max.) - 700 N/mm <sup>2</sup>	8 mm
Plate thickness(min.) - 700 N/mm <sup>2</sup>	1.2 mm

### DRIVE CAPACITY

Motor rating main drive	18.5 kW
Hydraulic tank volume	400 l

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	4.73 m x 2 m x 2.04 m
Weight	13200 kg



*NC control for quick positioning of the back gauge*



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



*High-quality electric components for maximum reliability*



*Easy to use to use angle stop with clamping lever and angle scale*



## PRODUCT DETAILS

- The hydraulic Swing-Beam Shears with NC-controlled back gauge combines quality, reliability and easy handling

### Machine Frame

- The machine frame is made of a stress-relieved steel weldment and features a swing-beam design
- With this design, the cutter beam travels in a swinging movement so that the distance between upper and lower knife will be restored automatically after each cut
- The advantages of this design are low-torsion cuts, a more reliable release of cut parts, extended knife life, and easy kerf adjustments

### Material Support

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

### Hydraulics

- 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

- The back gauge system is very robust and perfectly suited for rough production environments
- Preloaded ball screws are mounted in a protective enclosure

### Equipment

- The user-friendly ESTUN 21 NC control positions the back gauge precisely both in single cuts and within program runs
- The machine is operated via a mobile foot pedal with emergency stop switch
- The exact cut line is visible on the metal sheet as a shadow graph
- Upper and lower knife suitable for stainless steel

### Safety

- The continuous finger guard can be folded down to 1000 mm for a better view on the cut line
- Safety features are based on the latest CE regulations
- The rear-mounted light barrier system protects the work area

## CONTROLS & SOFTWARE

### NC control Estun E21S

- Easy positioning control for plate shear back gauges
- Positioning on one side or optionally on two sides (eliminates spindle backlash)
- Retracting function during cutting process
- Automatic return to home position
- Easy backup and recovery of parameters
- Quick homing to programmed positions
- Programming of up to 40 programs and 25 positioning steps
- Power-off protection

## STANDARD EQUIPMENT

NC control Estun E21S  
 Pneumatic sheet support  
 Controlled backgauge  
 Shadow light cutting line  
 Front support arms  
 Foot pedal with emergency stop switch  
 Manual cutting gap adjustment  
 Full length finger guard  
 Safety system for back working area  
 Standard upper and lower knife for stainless steel sheets  
 Adjustable angle stop  
 Operating tools  
 Operator instructions

## OPTIONAL EQUIPMENT

- Hydraulic oil cooler, SKU : 253964
- Additional blade set, SKU : 253972
- Automatic central lubrication, SKU : 253975



## 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!**