



### SKU : 184213

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             | 150 mm                    |
| Cutting angle      | 1.5 deg                   |
| Strokes per minute | 8 H/min                   |
| Hold-down          | 15 positions              |
| Hold-down capacity | 30 t                      |
| Table size         | 4330 mm x 550 mm x 800 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> | 8 mm   |
| Plate thickness(min.) - 400 N/mm <sup>2</sup>  | 0.8 mm |
| Plate thickness(max.) - 700 N/mm <sup>2</sup>  | 5 mm   |
| Plate thickness(min.) - 700 N/mm <sup>2</sup>  | 0.8 mm |

### DRIVE CAPACITY

|                         |       |
|-------------------------|-------|
| Motor rating main drive | 11 kW |
| Hydraulic tank volume   | 300 l |

### MEASURES AND WEIGHTS

|  |                         |
|--|-------------------------|
| Overall dimensions (length x width x height) | 4.65 m x 1.9 m x 1.76 m |
| Weight                                       | 9700 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*



## 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 : 253963
- Automatic central lubrication, SKU : 253975
- Additional blade set, SKU : 253968