

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	157 in
Throat	6 in
Cutting angle	1.5 deg
Strokes per minute	8 H/min
Hold-down	15 positions
Hold-down capacity	33 t
Table size	170 in x 22 in x 31 in

DRIVE CAPACITY

Motor rating main drive	14.8 Hp
Hydraulic tank volume	79 gal

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	184 in x 75 in x 70 in
Weight	21340 lbs

BACK GAUGE

Rear stop	39 in
Feed speed X-axis	89.8 in/min

FRONT SUPPORT ARMS

Number of support arms	4 positions
Length of support arms	39 in

CUTTING CAPACITIES

Plate thickness (max.) - 450 N/mm ²	0.315 in
Plate thickness (min.) - 400 N/mm ²	0.031 in
Plate thickness (max.) - 700 N/mm ²	0.197 in
Plate thickness (min.) - 700 N/mm ²	0.031 in



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 39.4" for a better view on the cut line
- Safety concept based on the latest CE standards
- 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 parameter backup and restoration
- 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
 Support arms
 Foot pedal with emergency stop switch
 Manual kerf adjustment
 Full length finger guard
 Safety system for back working area
 Knife for stainless steel sheets
 Adjustable angular stop
 Operating tools
 Operator instructions

OPTIONAL EQUIPMENT

- Hydraulic oil cooler, SKU : 253963
- Automatic central lubrication, SKU : 253975
- Additional blade set, SKU : 253968