

SKU : 422380

This model is part of the KMT RNC series and is an advanced, precision-machined plate shearing machine with premium components. It features a powerful drive for superior cutting performance. The rigid construction with sliding-block guided cutter bar and a straight cutting angle enables cuts with minimal torsion in the workpiece. The kerf can be adjusted manually, and back gauge positioning is simplified enormously by the integrated Return-to-Sender function.

- Solid steel weldment with sliding block guide
- NC-controlled back gauge can be easily programmed
- Automatic, semi-automatic, and manual modes
- Cutter for stainless steel machining included
- Reversible cutters with multiple cutting surfaces
- Adjustable kerf
- "Return-to-Sender" function



TECHNICAL SPECS

WORKING AREA

Working length	2060 mm
Cutting angle	1.3 deg
Work table height	880 mm
Work table depth	455 mm
Number of support arms	2 positions
Support arms	1000 mm
Strokes per minute	31 H/min

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.7 m x 2.35 m x 1.4 m
Weight	3000 kg

BACK GAUGE

Rear stop	750 mm
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CUTTING CAPACITIES

Plate thickness (min.) - 450 N/mm ²	0.2 mm
Plate thickness (max.) - 450 N/mm ²	4 mm
Plate thickness(max.) - 700 N/mm ²	2 mm

DRIVE CAPACITY

Motor rating main drive	7.5 kW
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The full machine enclosure provides maximum safety, features a practical design and is precision machined



The pneumatic sheet hold-up device is reversible to control cutting either towards the front or towards the rear of the machine

PRODUCT DETAILS

This machine has been preconfigured by our technicians and comes standard with the following optional accessories: Inova HMI, 1000 mm servo backgauge with sheet metal hold-up device and an adjustable angle stop

Machine Frame

- The machine frame is made of a very rigid, solid steel weldment and the cutter bar is sliding-block guided
- The high-precision guide ensures clean cuts and special cutters for machining stainless steel plates are included
- The upper cutters are reversible for use of both sides, and the lower cutters feature 4 cutting edges
- A rigid, continuous hold-down fixes the sheet metal plate right in front of the cut line
- The optimum kerf for machining can be adjusted manually

Ergonomic Design

- The "Return-to-Sender" function is an innovative plate shears feature that returns the cut off metal sheet automatically back to the operator position. This function provides increased process efficiency and operator safety
- The rigid side angle stop simplifies precise alignment of the plate perpendicular to the cut line
- Rugged support arms ensure a strong hold of large plates
- Material support rollers are recessed in the table to simplify workpiece handling and avoid scratches on the workpiece
- The mobile foot switch gives the operator added flexibility and both hands are free for handling the workpiece
- The bright LED illumination of the cut line creates a clearly visible shadow on the marked line
- Additionally, the smart machine enclosure design allows vertical view from the top for exact workpiece alignment
- All lubrication points and adjustment screws are easily accessible to simplify regular maintenance
- An adjustable angular stop can be mounted on the lateral stop gauge and is included as an option

Back Gauge and Control

- This machine is equipped as standard with the optional INOVA Human Machine Interface (HMI) control panel and is characterised by simple and fast programming
- The backgauge, extended to a travel distance of 1000 mm, is driven by a servo motor and positions precisely in automatic, semi-automatic and manual operation
- The pneumatic sheet hold-up device is reversible to control cutting either towards the front or towards the rear of the machine
- The easy accessible work area at the back gauge is secured by light curtain

Equipment

- High-quality electric components ensure reliable operation and maximum availability
- The full machine enclosure provides maximum safety, features a practical design and is precision machined

Standard Equipment

- INOVA HMI for backgauge control
- Back gauge extended to 1,000 mm travel distance
- Servomotor rear stop
- Angular stop adjusts from 0 to 180°
- Pneumatic Hold-up device with reset function
- Cut-line lighting
- Finger guard
- Light curtain
- Upper knife with 2 cutting edges / Lower knife with 4 cutting edges
- Foot switch with emergency stop switch
- Lateral stop with scale and T-slots
- Support arms
- Manual kerf adjustment
- Manual Return-to-Sender function
- Table with material support rollers
- Operation manual

STANDARD EQUIPMENT

Cutting unit counter
Cutting line lightning & shadow illumination
Finger protection cages
Rear safety covers with photocell
Bottomblade with 2 cutting sides+upper blade with 4 cutting sides
Foot switch with emergency stop switch
Squaring arm with T slot, stoper and ruler
Front sheet holding arms (solid rectangular type)
Manual cutting gap adjustment
Table with ball transfer
Operator instructions



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!**