

Guillotine Shears

KMT RNC with standard blades

SKU : 470632

TRIAL MACHINE

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 NC-controlled. Handling plate sections 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
- Reversible cutters with multiple cutting surfaces
- Adjustable kerf
- Pneumatic sheet support



TECHNICAL SPECS

WORKING AREA

Working length	2560 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

BACK GAUGE

Rear stop	1000 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

DRIVE CAPACITY

Motor rating main drive	7.5 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	3.2 m x 2.35 m x 1.4 m
Weight	3500 kg

PRODUCT DETAILS



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

- Back gauge with pneumatic sheet hold-up device
- 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

Rear stop:

- The motorized back gauge ensures precise positioning in automatic, semi-automatic and manual mode
- The NC-controlled back gauge can be easily and quickly programmed
- 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

Demo Machine: All machines of this type in the 2024 KNUTH portfolio include a special cutter for machining stainless steel plates. (See part no. 133627 KMT MRNC 2504)

Standard Equipment

- BRL 401.2NC back gauge control
- Cut counter
- Cut line illumination
- 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
- Auflagearme
- Motorized back gauge 1000 mm
- Manual kerf adjustment
- Pneumatic sheet hold-up device
- Table with material support rollers
- Operation manual