



# Guillotine Shears KMT RNC with standard blades

**SKU : 470632**

**TRIAL MACHINE**

**The machine is tested and fully functional and comes with a 12-month warranty**

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



## 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 <sup>2</sup>	0.2 mm
Plate thickness (max.) - 450 N/mm <sup>2</sup>	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



## 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!**