

Guillotine Shears

KMT RNC 2004



SKU : 422387

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
- 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

height)	
Weight	3100 kg

BACK GAUGE

Rear stop	750 mm
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CUTTING CAPACITIES

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

DRIVE CAPACITY

Motor rating main drive	7.5 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x	2.7 m x 2.35 m x 1.4 m
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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

- 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

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

Die Maschine verfügt über ein HMI-Bedienpanel ermöglicht die komfortable Steuerung des NC-Hinteranschlags. Über das Touchdisplay kann der Bediener die gewünschte Schnittlänge eingeben und den Hinteranschlag automatisch positionieren. Das System zeigt die aktuelle Position, Sollwerte sowie den Schnittzähler an und erlaubt verschiedene Betriebsfunktionen wie Referenzfahrt, Einzelschnitt oder Serienbetrieb.

Die wichtigsten Funktionen sind:

- Eingabe und Anzeige der Hinteranschlagposition
- Automatische Positionierung des Hinteranschlags
- Referenzfahrt zur Nullposition
- Schnittzähler und Programmsteuerung
- Start- und Stopp-Bedienung über separate Taster
- Not-Aus-Schalter zur sicheren Maschinenabschaltung

STANDARD EQUIPMENT

BRL NC controller
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)
Motorized rear stop (750 mm)
Manual cutting gap adjustment
Manual return to sender
Table with ball transfer
Operating 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!**