

### 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

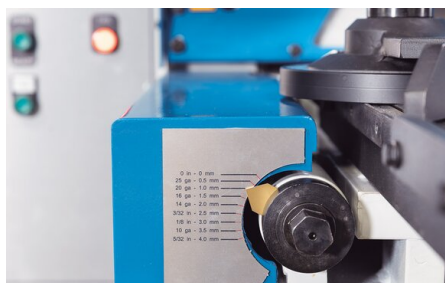
Rear stop	750 mm
-----------	--------

#### 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
Plate thickness(max.) - 700 N/mm <sup>2</sup>	2 mm

#### DRIVE CAPACITY

Motor rating main drive	7.5 kW
-------------------------	--------



*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