



# Guillotine Shears KMT RNC 3004

**SKU : 133628**

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	120 in
Cutting angle	1.3 deg
Work table height	35 in
Work table depth	18 in
Number of support arms	3 positions
Support arms	39 in
Strokes per minute	31 H/min

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	146 in x 93 in x 56 in
Weight	8800 lbs

### BACK GAUGE

Rear stop	30 in
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### CUTTING CAPACITIES

Plate thickness (min.) - 450 N/mm <sup>2</sup>	0.008 in
Plate thickness (max.) - 450 N/mm <sup>2</sup>	0.157 in
Plate thickness(max.) - 700 N/mm <sup>2</sup>	0.079 in

### DRIVE CAPACITY

Motor rating main drive	14.8 Hp
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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

## STANDARD EQUIPMENT

BRL NC controller  
cut counter  
cut-line lighting  
finger guard  
light curtain  
upper cutter with 2 cutting edges / Lower cutter with 4 cutting edges  
foot switch with emergency stop switch  
lateral stop with scale and T-slots  
support arms  
Motorized rear stop (29 inch)  
manual kerf adjustment  
manual Return-to-Sender function  
table with material support rollers  
Operator instructions