



# Metal Cutting Solutions, Inc. Presents:

## Kärcher ROBO 30

### Rail Boring and Milling machine



## Frame/Railing Production with ROBO 30:

- Tubular material up to 2" O.D.
- Bar stock up to 3 1/8" by 1/2"
- Stainless steel or other steels
- Easy loading for up to 120" in length
- Drill or mill from both sides
- Angular work to +/- 50 degree
- Adjusts to any angle within range
- Material orientation by clamped chuck
- Drill / Mill up to 0.8 inch in stainless
- Capacity for friction drilling
- Work in Inch or Metric
- Spindle speed up to 3,000rpm
- Self-centering dual clamps
- Easy feed wheel and inch/metric display



# Metal Cutting Solutions, Inc. Presents:

**Kärcher ROBO 30**

**Rail Boring and Milling machine**

**ROBO 30 easy infinite angle adjustment**





# Metal Cutting Solutions, Inc. Presents:

## Kärcher ROBO 30 Rail Boring and Milling machine

### ROBO 30 Capability Example:



Economically Fabricate Rails in a few steps:

1. Drill/Mill at desired positions.
2. Machine tubes from both sides with proper alignment.
3. Assemble the cross members into the frame.
4. Finish weld / stick weld the frame.
5. DONE! (Little or no re-finishing needed.)



# Metal Cutting Solutions, Inc. Presents:

**Kärcher ROBO 30**

**Rail Boring and Milling machine**

**ROBO 30: Drill and Tap in one setting.**



Set up your tube one time and home it. Then feed, clamp and drill assisted by the position display in inch or metric. Continue until completed. Feed back, and then tap. Using the optional handling arm with air drill/tap unit not even tools need to be exchanged.



# Metal Cutting Solutions, Inc. Presents:

## Kärcher ROBO 30

### Rail Boring and Milling machine

## ROBO 30 easy and precise for angles



In one operation, angular drilling, (friction drilling) and form tapping. The tapping machine can be used as a standard machine if you mount it at a table. Capacity up to M12 in mild steel, with 70 inches reach.



# Metal Cutting Solutions, Inc. Presents:

**Kärcher ROBO 30**

**Rail Boring and Milling machine**

*Made in Germany*



## ROBO 30: Quick, Productive, Accurate

### Your advantages:

- Very easy to load, adjust and position the material.
- Feeder adjustment up to 120" or 2000mm selectable.
- Inch/Metric selectable display with 0.01" or 0.1mm resolution.
- Absolute, or chain dimensioned material feed.
- Super minimal lubrication unit for stainless steel (INOX)
- Coated HSS milling tools can be used for your benefit.



# Metal Cutting Solutions, Inc. Presents:

## Kärcher ROBO 30 Rail Boring and Milling machine

Robo 30: Technical Data		Metric		Imperial	
Angle Adjustment left/right	Max.	+/-50	Degree	+/-50	Degree
Milling diameter, stainless, bar to 38 deg.	Max.	20	Mm	0.8	Inch
Milling diameter, mild steel, to 45 deg.	Max.	20	Mm	0.8	Inch
Friction drilling, stainless tube, for thread	size	5-6-8	Metric		
Spindle speed, variable	Max.	3000	Rpm	3000	Rpm
Motor power		1.85	kW	2.5	HP
Motor voltage		230	V	230	V
Air supply	Aver.	6	Bar	80	Psi
Tube diameter	Max.	60.3	Mm	2.4	Inch
Dimension bar stock, mild steel + stainless		80 x 12	Mm	3.2 x ½	Inch
Collets diameter ER32	Max	20	Mm	0.8	Inch
Machine size, overall, l x b x h	App.	402x100x183	Cm	13x3x6	Feet
Machine Weight, net	App.	500	Kg	1100	Lbs.



# Metal Cutting Solutions, Inc. Presents:

## **Kärcher ROBO 30 Rail Boring and Milling machine**

We would greatly appreciate your questions  
and other comments!

Use any communication tool, email, fax,  
phone, letter, etc. to contact us.

**Thank you for your time.**

We look forward hearing from you.

### **Metal Cutting Solutions, Inc.**

1232 W. Kemper Rd.

Cincinnati, Ohio 45252

USA

Phone: +1(513) 698-8098

Fax: +1(513) 385-5720

Website: [www.mcsshop.com](http://www.mcsshop.com)

Email: [sales@mcsshop.com](mailto:sales@mcsshop.com)