

Kärcher ROBO 30 Rail Boring and Milling Machine

Made in Germany

- Tubular material stock up to 2" (50,8 mm) in diameter, or
- Profiles up to 3 1/8" x 1/2" (80 x 12 mm) in Stainless Steel (INOX).

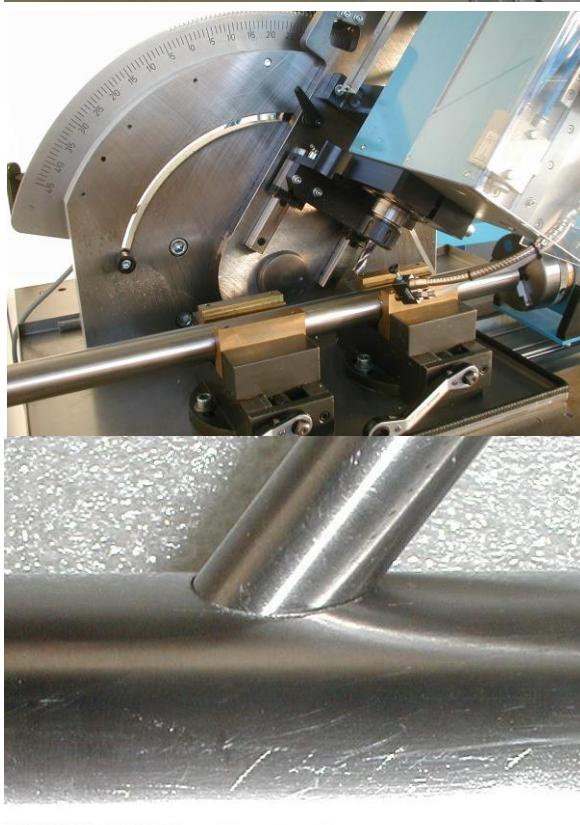


Angular drilling and milling up to 50° in stainless steel, (INOX) or other steel materials.

Friction drilling for M5-6-8 threads.

Tube or profile length up to 120" (3m).

In our assembly department:



Secure clamping of the material with 2 self centering clamping blocks. Tool spindle with infinite angular adjustment, up to +/- 50°.

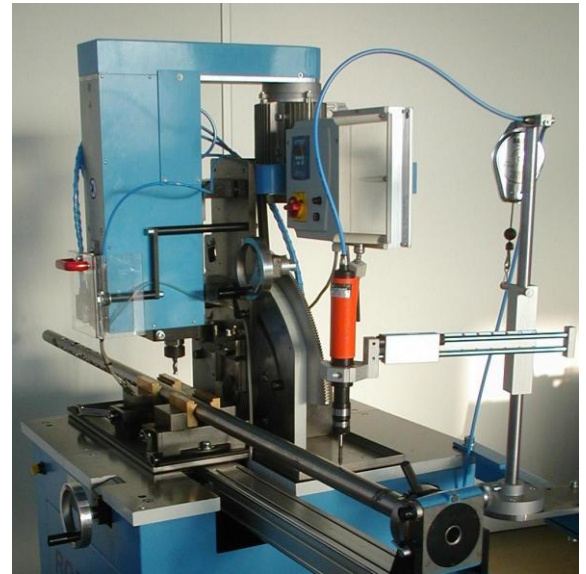
Capability Example:



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Picture 7: In one operation, angular drilling, (friction drilling) and form tapping. The tapping machine can be used as a standard machine if you take a table up to M 12 in mild steel with a reaching radius of 1800 mm.

Picture 8: In one operation, straight friction drilling and form tapping at 90° with optional threading attachment.

You fabricate rails economically rails with the ROBO 30 in these steps:

1. Drilling or milling at 90° or for angular work up to +/- 50° inclined.
2. Machine the tubes from both sides with proper alignment.
3. Assemble the cross members into the frame tubes.
4. Finish weld / stick weld the frame.
5. DONE! (Little or No Refinishing Needed.)

Your advantages:

- Very easy to load, adjust and position.
- Feeder adjustment up to 120" or 3000 mm selectable.
- Inch/Metric switchable display.
- Display resolution in 0.1mm or 0.01"
- Absolute, or chain dimensioned material feed.
- Super minimal lubrication unit for stainless steel (INOX).
- Coated HSS milling tools can be used for your benefit.

Kärcher Robo30: Technical Data	Metric		Imperial	
Angle adjustment left/right, max.	+/-50	°	+/-50	°
Milling diameter in stainless steel flat bar up to 38° max.	20	mm	0.8	inch
Milling diameter in mild steel up to 45° max.	20	mm	0.8	inch
Friction drilling in Stainless Steel (INOX) with 2 mm wall	M 5-6-8			
Spindle speed		variable		variable
Feeder length	3000	mm	120	inch
Motor Power	1,85	kW	2.5	HP
Motor voltage	230	V	230	V
Air supply, average	6	bar	80	PSI
Tube diameter, max.	60,3	mm	2.4	Inch
Dimension bar stock, mild steel and stainless steel (INOX), max.	80 x 12	mm	3 1/8 x 1/2	Inch
Collet diameter ER 32, max.	20	mm	0.8	inch
Machine size, overall L x B x H, approximately	cm	402 x 100 x 183	13 x 3 x 6	ft.
Machine Weight net, approximately	kg	500	1100	lbs.

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