

Kärcher ROBO 30T

Angular Boring/Milling/Tapping Machine

Made in Germany

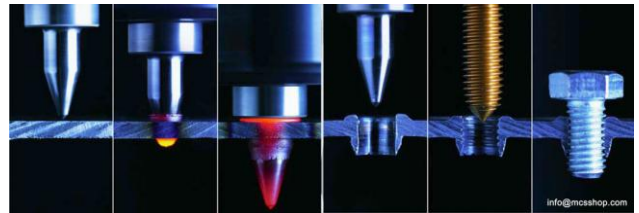


- Ideal machine for productive fabrication of customized, tubular frames.
- Seamlessly combine multiple processing steps in the same set up.
- Increase the designs rigidity by adding friction drilling.
- Eliminate tool changes for the secondary operations, like tapping.
- Quickly adjust to varying processing angles up to ± 50 degrees.
- Easily produce perfectly fitting through holes for intersecting elements.
- Ideal for stainless steel fabrications like railings, or any tubular products.
- Eliminate center punching, marking or scribing steps.
- Reduce rework and minimize scrap.
- Quick from set up to start working. – Your customers will love your work.

If you want your fabrication designs, like railings to impress by their distinctive customized looks, the unique ROBO 30 angular drilling/boring/milling/tapping machines are what you need to make them. The highly cost efficient, only one of its kind machine offers many features that get you faster and most reliable from start to finish, by preparing the individual parts best for your designs. Resulting to a time and money saving innovative approach, the ROBO 30 models are very simple to learn for using it productive and professional.

The ROBO 30T takes your railing fabrication to the next level of productivity by further exceeding the ROBO 30 capabilities. Besides the obvious benefits added with the ROBO 30, it integrates the flexibility of a second spindle to include other operations. The rigid flexible handling arm, with a working radius of up to 1800mm/70" has a tapping capacity up to M60 or 2 3/8" and is integrated into the machine design. Thus tapping without the interruption of a tool change, or maybe a reaming step for a more precise hole sizes are quickly performed without adding another set up. With this unique Kärcher ROBO 30T arm, also angular operations within its range are accomplished. The integrated environmental friendly minimal mist cutting lube system and cutting fluid increase tool life with best results at both spindles. Two handling arm sizes are available with powerful torque motors dimensioned according to the particular selected arm.

For creating customizing railings, both, the ROBO 30 and ROBO 30T are a perfect tool to quickly and precisely machine the different tubing sections at the exact locations. No scribing or center punching steps are required. The feed mechanism with electronic read out and quick zero set features makes the drilling/milling/tapping/reaming operations in stainless steel tubing an easy task, now quickly performed and repeated even when **angular milling/drilling/tapping or thru up holes to +/-50 degrees** are demanded. The drilling or milling angles are simply set via scale and then locked into position. The ROBO 30T then further streamlines the process by providing a second flexible spindle for secondary operations.



Friction Stir drilling (flow-drilling) operations for #8, #10, 1/4" and 5/16" (or M5, M6 and M8) threads can strengthen the design.

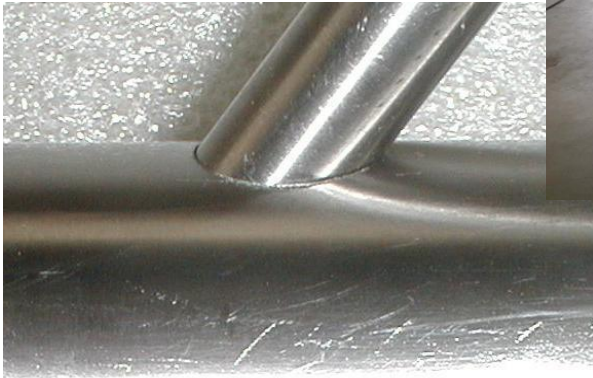
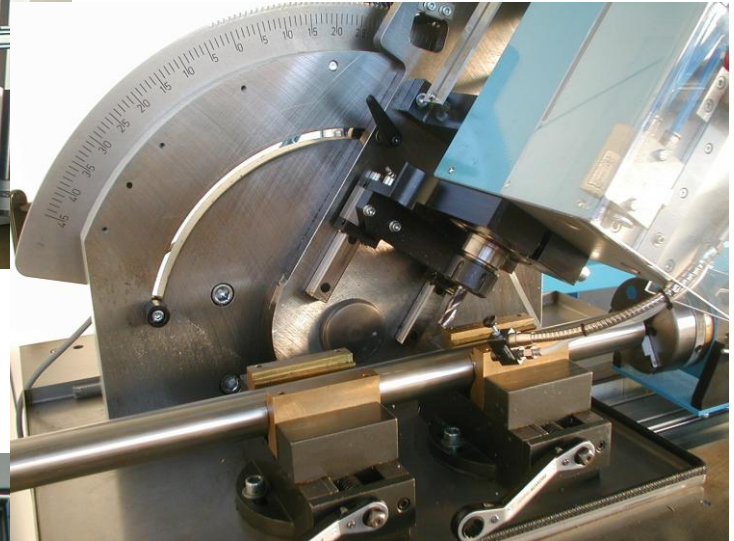
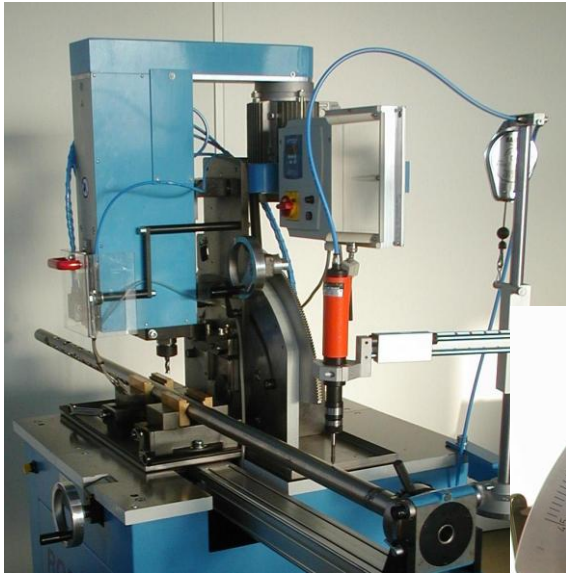
Material length up to 120 inch (3 meters) are loaded and set against adjustable stops, or easily positioned with the feed-unit. Positions are displayed in absolute or incremental values as selected for either Inch or Metric dimensions. Besides the quick set up features, the ROBO30T is even more productive once the initial set up is completed. Quickly and accurately, repetitive features are created, expanding your benefits even further.

Kärcher Robo30T: 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		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.
Size 1, flexible angular tapping arm pneumatic motor, 400 RPM	1,800	mm Range	70.87	Inch Range
Or Size 2 perpendicular tapping arm				
Machine Weight net, about	kg	550	1210	lbs.

Metal Cutting Solutions, Inc. Presents:

Made in Germany

ROBO 30T



1232 W. Kemper Rd., Suite 318 * Cincinnati, OH 45252, USA:
Phone: +1 (513) 698-8098 * Fax: +1 (513) 385-5720
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Visit us at www.mcshop.com or
email us at sales@mcshop.com