

CNC Broaching Tool Resharpener Machine



TB Series

After broaching many times on the internal diameter of a workpiece, the edges of the broaches need to be ground in order to control the surface roughness and maintain the broaching accuracy.

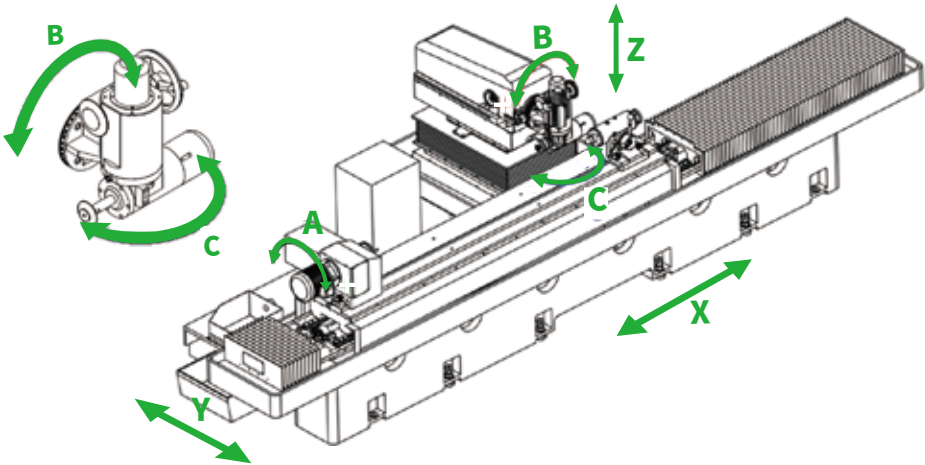


TB Series Broaching Tool Resharpener Machine

Broaches are one of the cutting tools used to cut a specific shape or remove a specific area from the workpiece.

After broaching many times on the internal diameter of a workpiece, the edges of the broaches need to be ground in order to control the surface roughness and maintain the broaching accuracy. Our TB series Broaching Tool Resharpener Machine would be one of the best choice for keeping the broaches running at their best.

TB series CNC Broaching Tool Resharpener Machine targets at grinding flat broaches, Round Broaches, and Helical Broaches. The maximum length of the broach can be up to 2 meters; the minimum diameter is 20 mm; the maximum of Turning Diameter is 125 mm. It can load the broach that its maximum weight is less than 100 kgs.



4 Axis CNC
(X / Y / Z / A)
Flat Broach Resharpener
Round Broach Resharpener

5 Axis CNC
(X / Y / Z / A / B)
Flat Broach Resharpener
Round Broach Resharpener

6 Axis CNC
(X / Y / Z / A / B / C)
Flat Broach Resharpener
Round Broach Resharpener
Helical Broach Resharpener

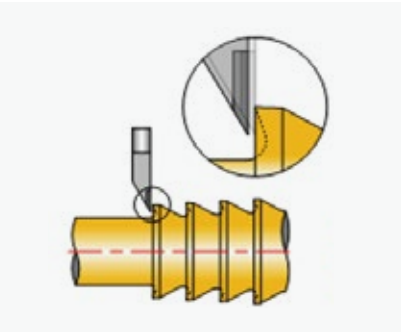


Features

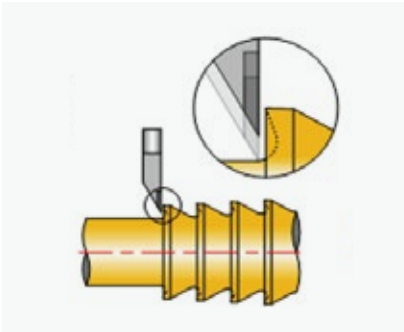
Interface



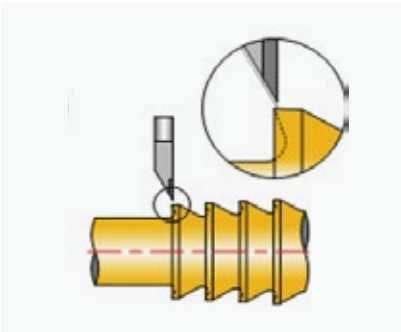
Probe



Cutting Edge

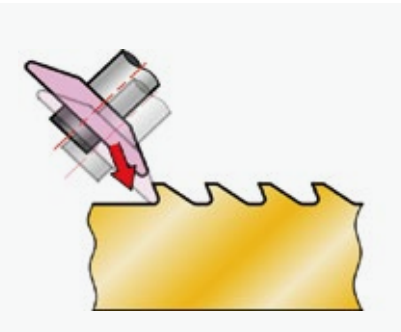


Tooth Bottom

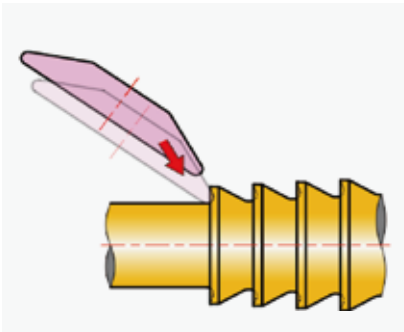


Tooth Height

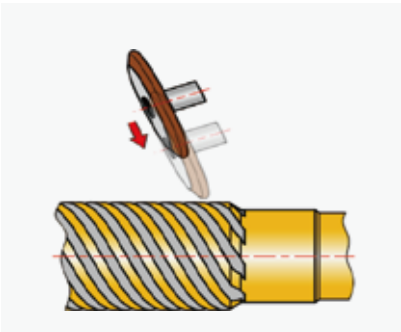
Application



Flat Broach resharpener



Round Broach resharpener



Helical Broach Resharpener

Specifications

	TB-415	TB-515	TB-615	TB-420	TB-520	TB-620
Axis Travel						
X-axis	1500 mm	1500 mm	1500 mm	2000 mm	2000 mm	2000 mm
Y-axis	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
Z-axis	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm
A-axis	360°	360°	360°	360°	360°	360°
B-axis	0° – 90°	0° – 90°	0° – 90°	0° – 90°	0° – 90°	0° – 90°
C-axis	±30°	±30°	±30°	±30°	±30°	±30°
Distance Between Center and Table	190 mm	190 mm	190 mm	190 mm	190 mm	190 mm
Distance Between Centers	1500 mm	1500 mm	1500 mm	2000 mm	2000 mm	2000 mm
Motor						
X-axis	2.2 kW	2.2 kW	2.2 kW	2.2 kW	2.2 kW	2.2 kW
Y-axis	1.0 kW	1.0 kW	1.0 kW	1.0 kW	1.0 kW	1.0 kW
Z-axis	1.5 kW	1.5 kW	1.5 kW	1.5 kW	1.5 kW	1.5 kW
A-axis	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW
B-axis	(N/A)	1.5 kW	1.5 kW	(N/A)	1.5 kW	1.5 kW
C-axis	(N/A)	(N/A)	1.0 kW	(N/A)	(N/A)	1.0 kW
Cooler Motor	0.375 kW (1/2 HP)			0.375 kW (1/2 HP)		
Grinding Range						
Diameter	Ø20 – Ø125 mm			Ø20 – Ø125 mm		
Max. Weight	100 kg			100 kg		
Grinding Spindle						
Spindle Power	6.6 kW			6.6 kW		
Rotational Speed	10000 rpm			10000 rpm		
Grinding Wheel Diameter	Max. Ø150 mm			Ø150 mm		
Workhead						
Rotational Speed	100 – 400 rpm			100 – 400 rpm		
Taper	MT5			MT5		
Tailstock						
Travel of Spindle	50 mm			50 mm		
Taper	MT2			MT2		
Controller						
Controller	MITSUBISHI CNC			MITSUBISHI CNC		
Machine Dimensions						
Weight	7000 kg			7500 kg		
Floor Space	5000 x 2250 x 2230 mm			6000 x 2250 x 2230 mm		

※ All specifications are subject to alternations without prior notice.

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