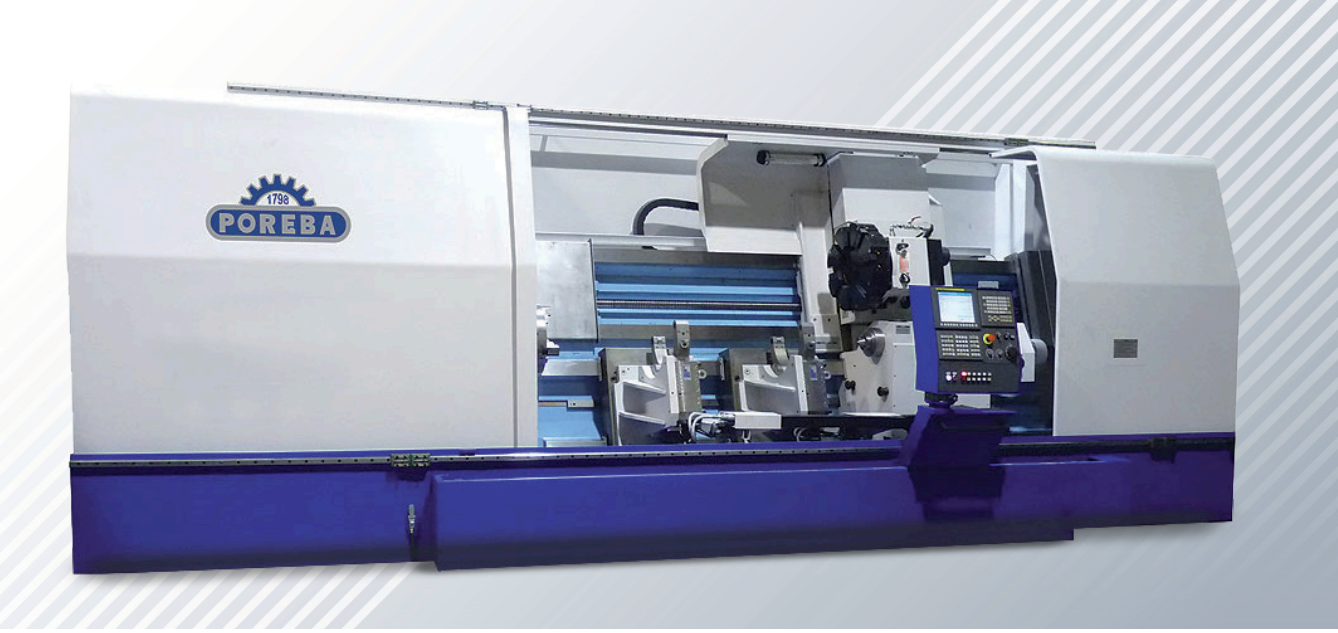
TOK Series

In its basic version the TOK 80 N horizontal slant-bed centre lathe – thanks to the innovative mechanical solutions and the advanced control systems – is the multipurpose lathe that guarantee productive rough and finish machining. The TOK 80 N lathe is designed for workpiece machining in the range of turning in accordance with its specifications, especially for machining of large-size shafts. When delivered with special equipment it can operate as horizontal machining centre with turning, drilling and milling capabilities. It can be equipped with an automatic turret, tool attachments, tool and workpiece measuring systems, controlled C axis, workpiece steady rest.

Slant-bed Centre Lathe



Main features:

- Slant bed made of high-grade cast iron of enhanced mechanical properties, standardized, suitably ribbed, rested on foundation along its entire length
- Carriage travels along two guideways that guarantee precise guidance
- Longitudinal and crosswise travels on an anti-friction material and assisted by central lubrication system
- Headstock housing made from cast iron of enhanced mechanical properties
- Spindle rested on bearings of increased accuracy class
- All shafts and gears carburized, hardened and ground

POREBA Machine Tools Ltd., Staszica 1, 47-420 Kuźnia Raciborska, Poland
Tel. +48 32 721 33 00 | e-mail: rafamet@rafamet.com.pl | **www.poreba1798.com** | **www.rafamet.com**

TECHNICAL SPECIFACTIONS		TOK 80 CNC
Capacity		
Swing over bed	ø mm	800
Swing over carriage	ø mm	670
Turning length (every 1000 mm)	mm	2800
Max. weight of workpiece clamped in centres	kg	6000
Max. weight of workpiece clamped in chuck	kg	800
Headstock		
Spindle bore diameter	ø mm	95
Spindle nose	size	A1 - 11
Range of continuously variable rotation rates	rpm	4 - 800
Number of rotation rates	quantity	2
Power of main drive motor	kW	39
Max. torque on spindle	Nm	3250
Carriage		
Longitudinal travel	mm	3000
Cross-wise travel	mm	410
Rapid travel in X and Z axes	mm/min	5000
Size of X-axis ball screw	ø × pitch mm	63 × 10
Size of Z-axis ball screw	ø × pitch mm	63 × 10
Tool system	type	automatic 12-position turret / other *
Tailstock		
Quill diameter	ø mm	180
Quill stroke	mm	150
Internal taper	size	65 / 1:12
Machine tool overall dimensions and weight, approx.		
• Length	mm	8450
• Width	mm	2800
• Height	mm	2900
Weight	kg	24000

* – Optional execution.

Some of the above data can be altered to meet the Customer requirements.
Above data are subject to change due to product development, without prior notice.

POREBA Machine Tools Ltd., Staszica 1, 47-420 Kuźnia Raciborska, Poland
Tel. +48 32 721 33 00 | e-mail: rafamet@rafamet.com.pl | **www.poreba1798.com** | **www.rafamet.com**