

# TOK 80 N

The TOK 80 CNC is special-purpose horizontal lathe designed for turning of railway wheelset axles. Latest CNC system enables automatic, precise and productive workpiece machining according to technological program, thereby allowing to perform both rough and finish machining of worn and new axles.



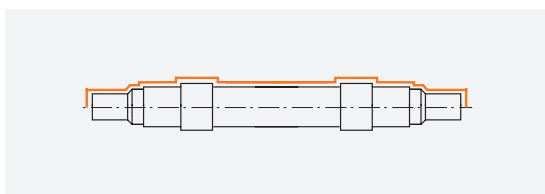
Axle Lathe



- Slant bed made of high-grade cast iron of enhanced mechanical properties, standardized, heavily ribbed with four guideways made as hardened and ground steel blocks
- Carriage travel along two guideways ensuring its precise guidance
- Longitudinal and cross-wise travels along guideways lined with anti-friction material and assisted by central lubrication system
- Optionally, machine can be equipped with burnishing attachment, rotary tools, tool and workpiece measuring systems
- 8-position or 12-position turret

## Available Machining Operations

Axle



TECHNICAL SPECIFICATIONS		TOK 80 N
<b>Machining capabilities</b>		
Swing over bed	mm	800
Swing over carriage	mm	670
Max. distance between centres	mm	3000
Max. weight of workpiece	×10 kN	6
<b>Headstock</b>		
Spindle bore diameter	mm	95
Range of continuously variable rotation rates of face plate	rpm	4 to 800
Power of main drive motor	kW	39
Max. torque on spindle	Nm	3250
<b>Carriage and cross-slide</b>		
Max. rate of travels in X and Z axes	rpm	5000
Longitudinal travel	mm	3000
Cross-wise travel	mm	410
Tool system: automatic turret, no. of tool positions		8
<b>Tailstock</b>		
Quill stroke	mm	150
Internal tape	size	1:12 / 65
<b>Machine tool dimensions and weight</b>		
Machine tool overall dimensions:		
• Length	mm	2350
• Width (with chip conveyor)	mm	7800
• Height	mm	2900
Approximate weight of machine tool	×10 kN	21

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.