

# KKB 150 N

The KKB 150 N Vertical Wheel Lathe is single-column Vertical Turning & Boring Mill specifically designed for productive machining of railway wheels with two railheads.



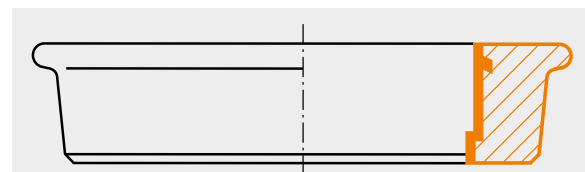
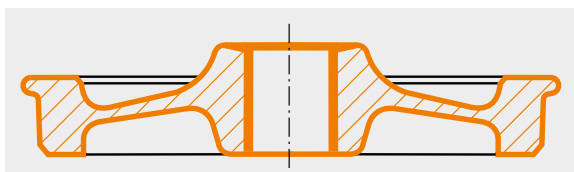
Vertical Wheel Lathe



- Machine column and cross-rail combined into a single-piece (monolithic structure)
- Major body components made as extremely rigid, heavily ribbed box-type, high-grade grey iron castings providing maximum vibration-damping capabilities during cutting process
- Main drive powered by modular torque motor with continuously variable speed control
- Workpiece measuring probe (of Renishaw or equivalent make) mounted in tool seat
- Solid forged steel railhead ram equipped with Coromant CAPTO® quick-change tool adapter and HSK® angle machining head
- Tool / toolhead magazines

## Available Machining Operations

### Wheels



**TECHNICAL SPECIFICATIONS****KKB 150 N****Table**

Table diameter	mm	1450
Max. turning diameter	mm	2000
Max. wheel tread diameter	mm	1250
Max. weight of workpiece	×10 kN	2
Clamping stroke of chuck jaws	mm	82
Max. clamping force of chuck	kN	370
Max. rotation rate for turning	rpm	400
Max. torque (of main drive) on table	kNm	31.3
Max. power of main drive	kW	362.5

**Cross – rail (fixed)**

Max. height of turning	mm	800
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**Railhead**

Number of railheads		2
Ram stroke	mm	630
Rapid traverse	m / min	25
Max. cutting force – RH / LH railhead	kN	30

**Machine tool overall dimensions and weight**Machine tool overall dimensions <sup>(2)</sup>:

• Length	mm	6800
• Width	mm	7800
• Height	mm	5200

**Machine tool accuracies**

X – axis positioning accuracy $M_{ar}$ (L=1000 mm)	mm	0.015
Z – axis positioning accuracy $M_{ar}$ (L=1000 mm)	mm	0.015
X – axis positioning repeatability $RP_{Max}$ (L=1000 mm)	mm	0.012
Z – axis positioning repeatability $RP_{Max}$ (L=1000 mm)	mm	0.012

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.