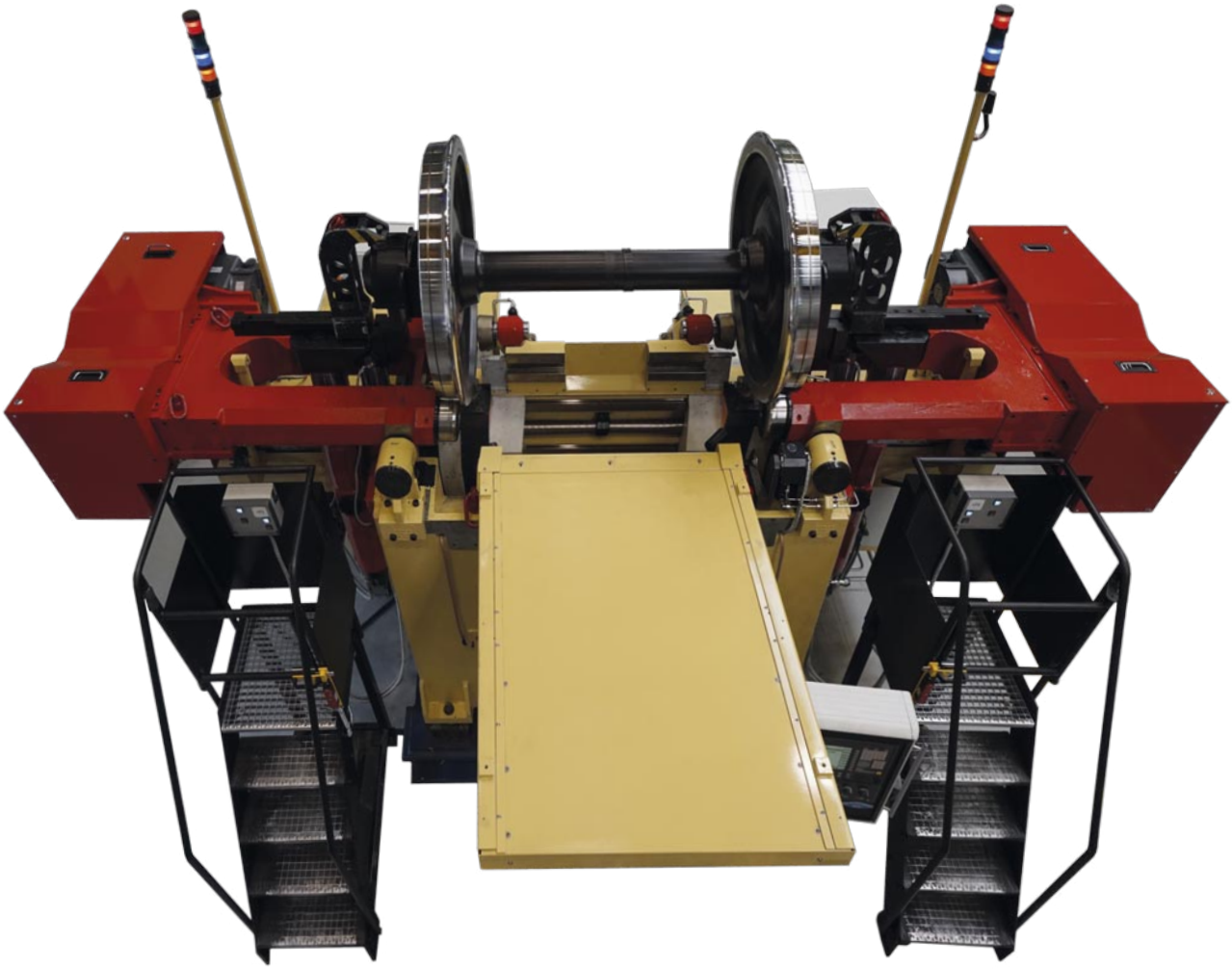
Underfloor wheelset lathe
U 2000 - 400



CNC-controlled, automatic measuring system

Fields of application and uses

The U2000-400 is a universally applicable, dynamically rigid and operator- and service-friendly wheelset lathe.

It represents the state of the art in wheelset machining technology. The machine's high degree of utilization, precision, long service life and minimal maintenance costs guarantee ideal cost-effectiveness.

Function

HEGENSCHEIDT-MFD underfloor wheelset lathes machine, both wheelsets of high-speed trains of railway companies and wheelsets of local commuter trains in the installed and dismantled state by reprofiling to the highest degree of accuracy.

The machine is operated by a means of one central control panel so that the operator has continuous access to all machine functions in an ideal working position. During machining, the operator is protected from flying chips. The automated machining takes most of the work out of the operator's hands, making the machine easy to operate.

A tandem version - U2000-400D - is also available for the simultaneous machining of bogies with mechanically non-coupled axles.

The new patented double tandem U2000-400Q enables simultaneous machining of two bogies.

Machine Specifications U2000-400

Machine dimensions	
Machine Footprint (L x W x H)	5.5 m x 2.9 m x 2.3 m
Pit Dimensions (L x W x H)	7.0 m x 6.0 m x 2.3 m
Machine Weight	18000 kg
General Specification	
Maximum Diameter Difference Between Wheels of a Wheel Set*	≤ 0.1 mm
Maximum Diameter Difference Between Wheels of a Bogie*	≤ 0.3 mm
Maximum Radial Runout on Wheel Set*	≤ 0.1 mm
Maximum Chip Cross Section	10 mm^2
Optional Equipment	• Machining of wheel brake discs • Machining of inboard and outboard axle brake discs • Smoke Extraction System • Machining of coupled wheel sets • Slippage monitoring • Data Acquisition System • Auto Lubrication • Battery powered shunting car
Utility Requirements	
Rated Power (Per Machine)	96 KVA
Wheel Set Dimensions	
Maximum Wheel Tread Diameter**	1400 mm
Minimum Wheel Tread Diameter**	350 mm
Maximum Axle Load	400 kN

* Applicable to non-resilient wheels ** Pending engineering review