



HEGENSCHEIDT



## UNDERFLOOR-WHEELSET- LATHE U2000-150

### APPLICATION AND USE

The CNC-controlled HEGENSCHIEDT U2000-150 is a universally usable, dynamically rigid and particularly operator- and service-friendly underfloor-wheel lathe for reprofiling wheelsets in both mounted and dismounted condition. The machine is equipped with an automatic measuring system and guarantees high precision reprofiling that meets all known work and accuracy requirements. It represents the current highest level and state of the art in wheelset machining technology.

**For simultaneous machining of wheelsets in bogies with mechanically uncoupled axles, a tandem version HEGENSCHIEDT U2000-150D is also available.**

### ADDED VALUE

- State of the art reprofiling of tram and metro wheelsets, both mounted and demounted
- Optimum cost-effectiveness thanks to high utilization rates, precision, long life and low maintenance costs
- Ergonomic and simple operation through a central control panel with direct access to all machine functions
- Automatic processing to reduce the operator's workload and guarantee precision
- Reliable protection against flying chips during machining



## FUNCTION

- CNC-controlled HEGENSCHIEDT underfloor - wheel lathe machines are used to reprofile wheelsets for public transport (trams, metros) in both mounted and demounted condition with maximum accuracy
- The machine is operated from a central control panel so that the operator has constant access to all machine functions in the optimal working position. The operator is safely protected from flying chips during machining. The automatic processing system reduces the operator's workload and thus enables easy machine usage.

## TECHNICAL SPECIFICATION

### MACHINE DATA

Machine dimensions (L x W x H)	mm	5.000 x 2.500 x 2.300 (for track gauge 1.435 mm)
Pit dimensions (L x W x H)	mm	5.700 x 6.000 x 2.300 (for track gauge 1.435 mm)
Machine weight	t	13
Power (per machine)	KVA	80

### ACCURACIES

Maximum difference in diameter between both wheels of a wheelset*	mm	≤ 0.1
Maximum diameter difference between the wheels of a bogie*	mm	≤ 0.3
Maximum radial runout*	mm	≤ 0.1
Maximum chip cross-section per support	mm <sup>2</sup>	6

### OPTIONAL EQUIPMENT

- Machining of wheel brake discs
- Machining of internal and external shaft brake discs
- Smoke extraction
- Machining of mechanically coupled wheelsets
- Slip monitoring
- Database management
- Automatic lubrication
- Shifting vehicle

### WHEELSET DIMENSIONS

Minimum running circle diameter	mm	350
Maximum running circle diameter**	mm	1.250
Maximum axle load	kN	180

\* for solid wheels / \*\* other maximum diameters possible

