Mobile Wheelset Machining System
MOBITURN®2

HEGENSCHEIDT MFD

MOBITURN®2

Field of application and uses

As a part of the essential maintenance of rail vehicles, wheelset profile repairs represent a high cost factor. Vehicle maintenance is subject to the permanent process of cost minimization while ensuring the necessary maintenance quality. In order to improve competitiveness, new maintenance processes and corresponding technology concepts are needed and developed.

The result contributes towards improved, demand-oriented vehicle maintenance with short rolling-stock downtimes and high rolling-stock availability, for considerably higher economic efficiency in maintenance.

MOBITURN®2 comes to the rail vehicle

MOBITURN®2 is the world's first and only wheelset machining system which comes to the rail vehicle. MOBITURN®2 has been specifically designed for the machining of wheels, wheelsets and brake discs of rail vehicles in both the installed and dismantled state.

MOBITURN®2 - for flexible use

MOBITURN®2 can be transported by rail or road to various deployment locations. If required, it is moved from a standby position with a shifting vehicle on the track network to the respective assigned location.

Machine Specifications MOBITURN®2

Machine dimensions incl. power supply (L x W x H)	Approx. 8.45 m x 2.62 m x 1.65 m
Machine Weight	16800 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 per Tool Post	6 mm²
Optional Equipment	• Machining of wheel and axle mounted brake discs between the wheels • Machining of coupled wheel sets • Data Acquisition System
Utility Requirements	
Rated Power (Per Machine)	50 KVA
Wheel Set Dimensions	
Maximum Wheel Tread Diameter**	1450 mm
Minimum Wheel Tread Diameter**	450 mm

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

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