

## AUTOMATIC MEASURING STATION FOR MEASURING OF RAILWAY WHEELS GEOMETRIC DIMENSIONS KS-741

The automatic measuring complex developed by company Amest is designed to measure complete geometry of railway wheels, including precision inner hub diameter by contact system implemented into optical measuring portal.

### Description of the complex

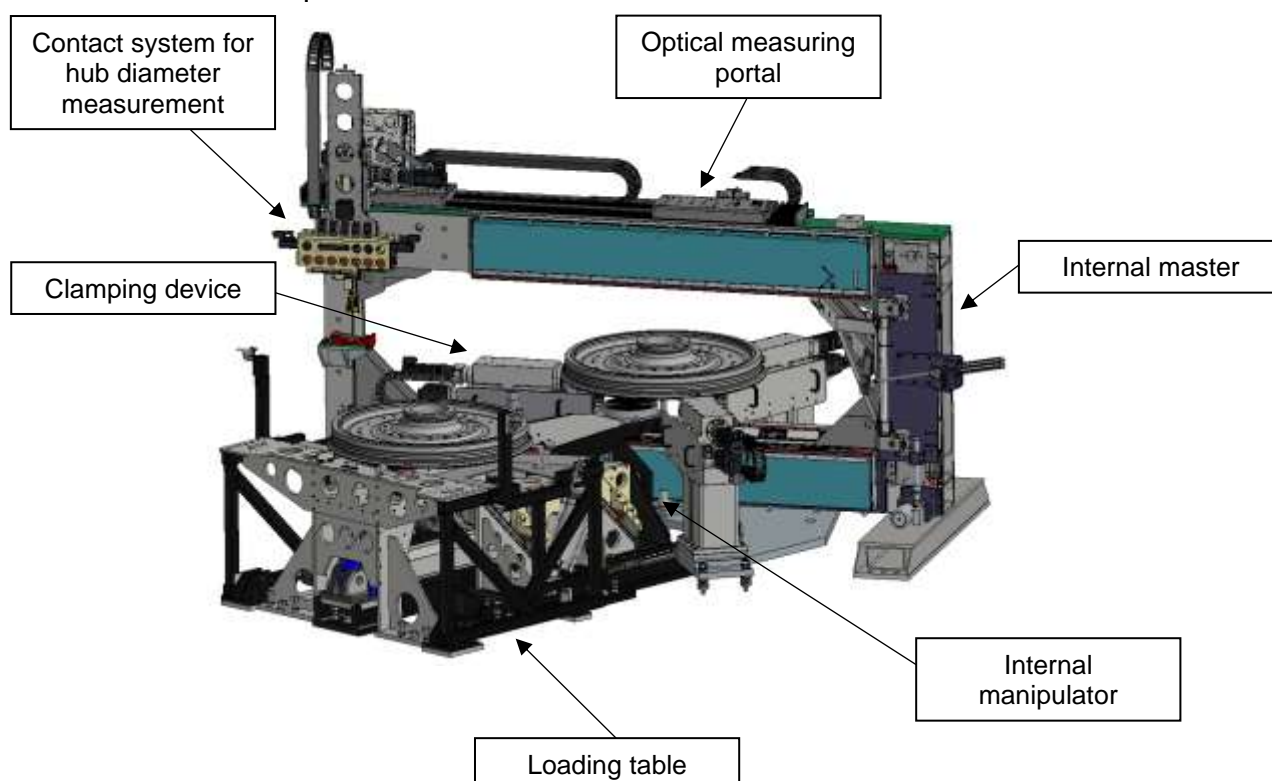
Geometric parameters are measured by a measuring portal, connected to an intelligent clamping device comprising 3 universal clamping sections which precisely fixing the wheel and set the rotation speed as it is being measured. The complex contains an input – output table, internal rotary manipulator, measuring portal equipped with CD-cameras and rotary lasers and contact system for measurement of precision hub diameter.

### Parameters of automatic complex

Wheel geometry measuring cycle .....	max. 60 s.
Scan speed .....	2 faces/s
Number of faces per wheel turn .....	500

### Parameters of wheels measured

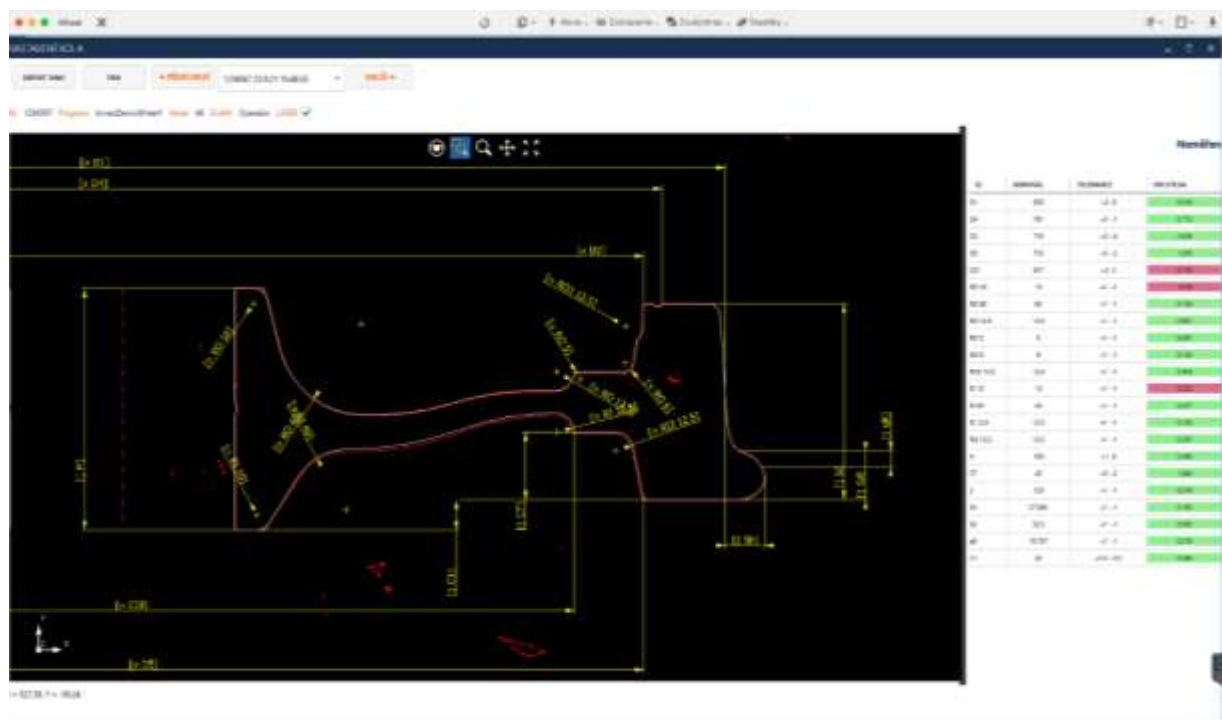
wheel diameter .....	up to 1400 mm
wheel hub diameter..	up to 260 mm
wheel weight.....	up to 1200 kg



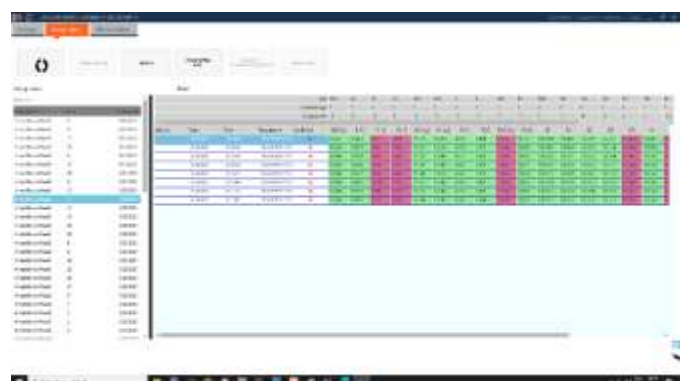


## Optical measurement

## Contact measurement



## Measuring screen



## General view

Database



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