

AUTOMATIC MEASURING STATION KS-568 FOR CHECKING OF ACCURATE HUB DIAMETER AND HOLES ON PITCH CIRCLE OF WHEEL

The automatic measuring station KS-568 serves for 100% check of wheels, standard manufactured in continuous three-shift run.

The device successively measures hub holes in 3 sections, or in a selected number of sections. Measuring utilizes a new principle of dynamic measuring heads DMH that allows check of polar circularity in all sections, as well as the positions of centres, concave and convex profile and the taper ratio. This measuring method ensures complex check of the wheel before pressing the wheel set, or complex dimensional report prior to dispatch.

The gauging station will be equipped with adequate surfaces designed for hand heads to measure surface roughness and simultaneous visualization of the roughness check results will be enabled on the mobile station gauging system monitor. The gauging station has a working turntable to put the gauged wheel on. The table is further equipped with a centring system for centring any wheel type. A dynamic gauging head with automatically exchangeable gauging bits is installed on a pivoted portal above the table, the head is shifted in axial direction by means of a servomotor. The gauging support further locates a dynamic gauging head for checking of holes on the pitch diameter of the disc, and also for checking their position towards radius and angular division. At the same time, the position of the hub centre will be evaluated in every measuring position of the hole on the pitch diameter of the disc, which will eliminate the effect of technological bases on determination of the position of holes on the wheel disc.

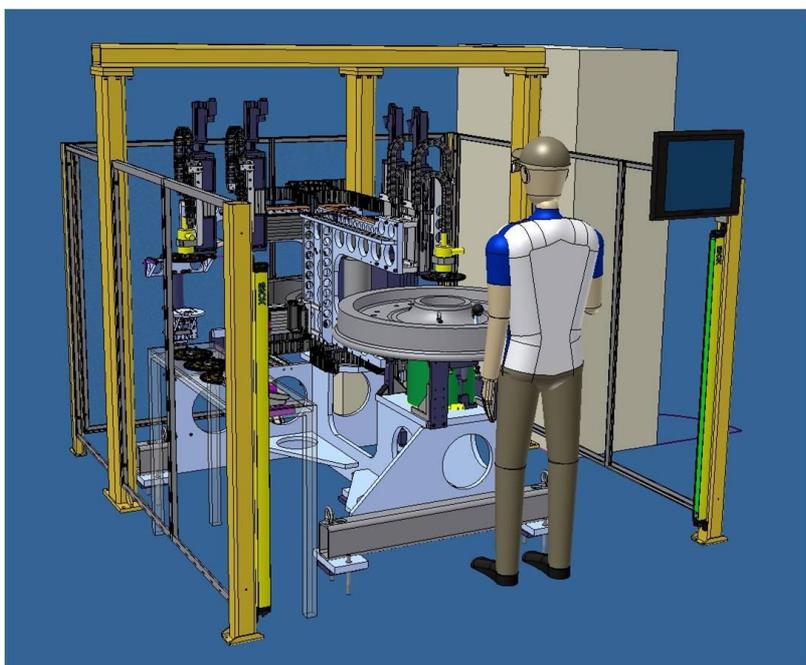
The station will include the evaluation system Amest MC-2 with an option of data collection for static management of manufacture.

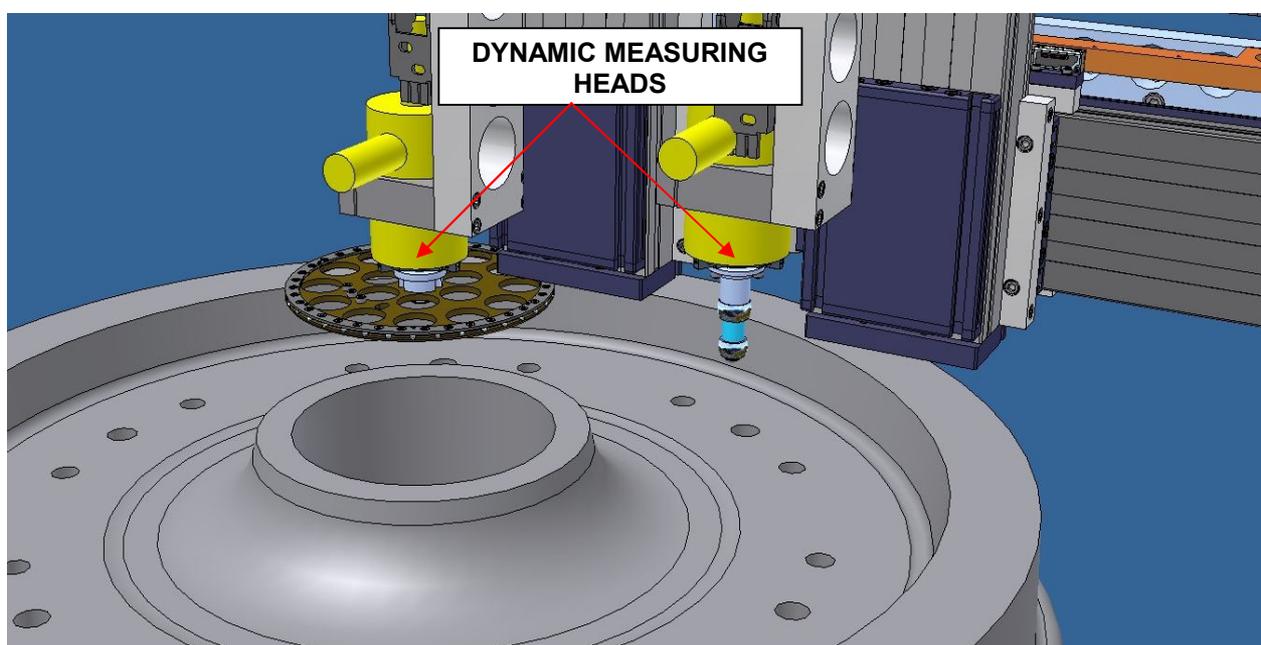
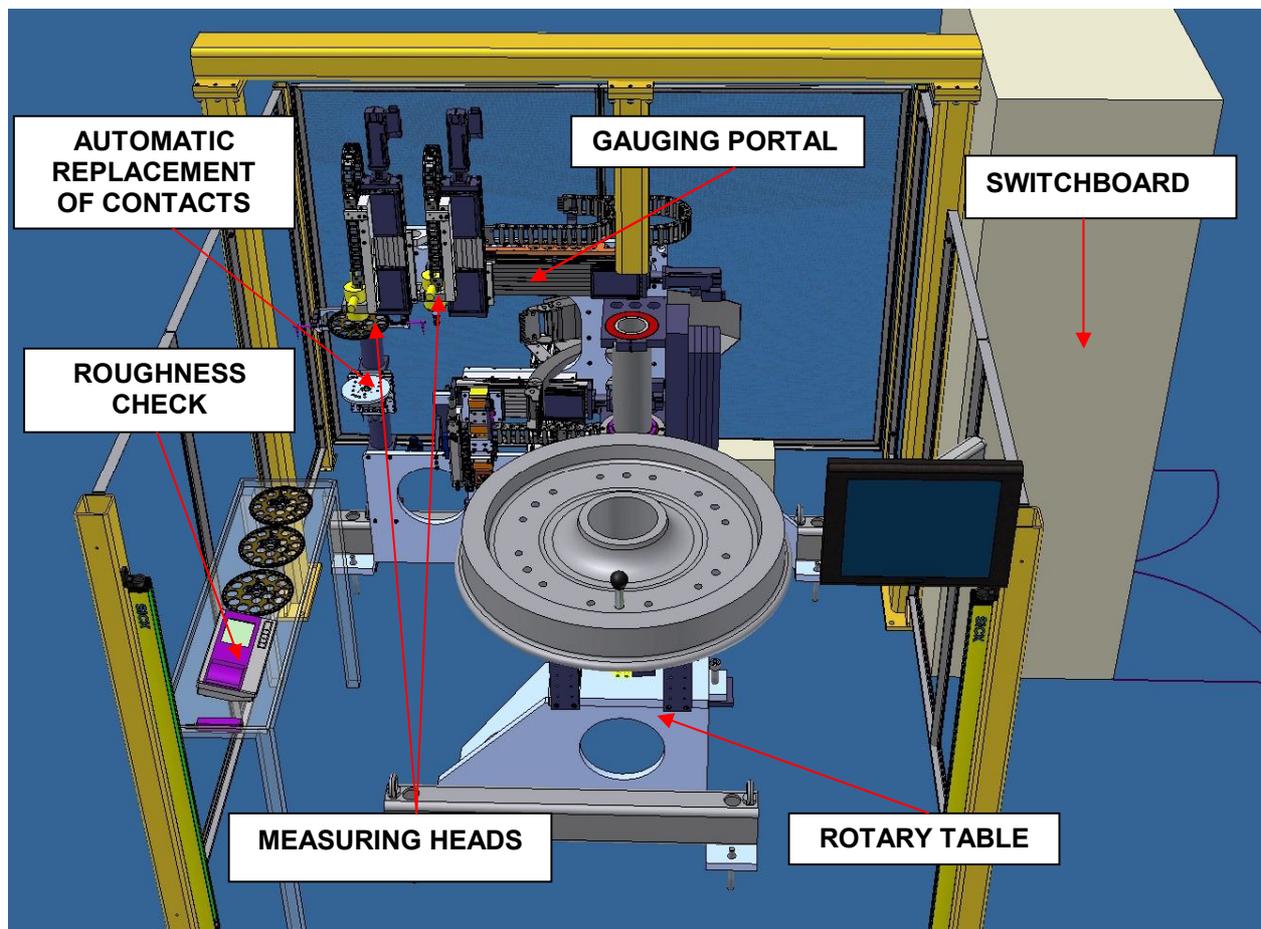
Parameters of measured wheels

wheel diameter up to 1400 mm
width of wheel rim....up to 170 mm
weight of the wheel up to 1 100 kg

Measured parameters

- diameter of accurate hub hole (in multiple sections)
- taper ratio
- concave/convex profile
- circularity
- diameters of holes on the disc
- positions of centres towards radius and angular division





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