IMS-A integrated measuring system: high-precision guidance and measurement

This integrated measuring system combines ball rail and roller rail systems with an absolute length measuring system in our new IMS-A product. The system accuracy of this inductive measuring system is comparable to high-precision glass scales and is therefore ideally suited for replacement of external measuring systems on machine tools.

Measuring inductively the absolute position with a resolution of 0.025 μm

The IMS-A provides you with a precision instrument that guarantees excellent workpiece quality through accurate position measuring. Thanks to the inductive, contactless measuring principle, the system functions wear-free, which reduces your downtimes. In addition, it is particularly compact thanks to the integration of the systems, which saves installation space.

Advantages resulting from special product features

- Absolute position entry, without buffering battery
- High system accuracy
- Inductive, contactless measuring principle
- Measuring function integrated into the guideway
- Resistant to contamination without any additional measures

Key technical data

- Position resolution up to 0.025 μm
- Scale accuracy: ± 3 μm/m
- Ball rail system: sizes 20/25/30/35/45
- Roller rail system: sizes 35/45/55/65
- Rail lengths: up to 4,500 mm in one piece
- Interface: Hiperface, SSI, DRIVE-CLiQ, FANUC

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