



Main features

- Precise axis positioning by linear drive
- Motorized fine adjustment
- Tool weight up to 160 kg
- Repeatability $\pm 2 \mu\text{m}$
- Spindle runout $2 \mu\text{m}$

Tool presetter VIO linear

VIO linear – The complete solution: for fully automatic high-end tool presetting with customisable options. The modular concept makes it possible to preset tools up to 1,000 mm in length and diameter.

- Low distortion even under the maximum permissible load thanks to its high rigidity
- FEM-optimised and thermally stable cast iron construction
- Maximum tool weight 160 kg
- Fast, silent and high accurate cutting edge approach by unique linear drive

Technical data subject to change without prior notice.



Equipment

High precision and fast axis-positioning through linear motion

Image processing system

Microvision VIO

SK50 ultra-high precision spindle

autofocus with rotary encoder



Robust, long-life cast iron construction

**Thermally optimised material combination**

for improved repeatability

Motorised fine adjustment**24" multi-touch screen**

Premium base cabinet including storage for up to 9 adapters

**Sigma function****Unlimited tool memory****User management**

Tool weight up to 160 kg

Swivelling operating panel**Edgefinder****Incident light**

2 µm spindle runout



± 2 µm repeatability

Vacuum clamping**Release-by-touch**

Individual release and clamping of X/Y-axis



Memory for 1.000 zero points, tools and tool lists

Label printer**USB / LAN data output**

System base cabinet smart including storage for 3 adapters

Joystick

Equipment options

ISS-U universal ultra-high precision spindle with automatic adapter identification, mechanical tool clamping, spindle brake pneumatically and 4 × 90° or 3 × 120° indexing motorized

Order no. M-S1029

Second camera for rotation centre measuring

Order no. -

Bidirectional interface

Order no. M-P1516

Manual RFID-System

Order no. M-P1504

Automatic RFID system

Order no. M-P1505

27" multi-touch screen

Order no. M-Z2122

Post-processor

Order no. M-P1510

M-P1511, M-P4150, M-P1303, M-P1304, M-P1305

VIO Fit

Order no. M-P1401

VIO Scan

Order no. M-P1400

Angular head system, swiveling camera carrier, Y-axis offset for measuring multiple slewing gear witness

Order no. M-R4115

HQR-Connect

Order no. M-P1551

HRFID-Connect

Order no. M-P1552

Measure-by-touch

Order no. M-Z1905

Technical data

Label	Value
Maximum tool diameter [mm]	420 / 700 / 1000
Maximum snap gauge tool diameter [mm]	100
Maximum tool length on Z-axis [mm]	500 / 700 / 1000
Max. tool weight [kg]	160
Weight [kg]	400 kg - 550 kg