



VERO-S WDM-5X

The Manual Clamping System for Direct Workpiece Clamping

VERO-S WDM-5X

Superior Clamping and Gripping



Gripping Systems

Clamping Technology



Chuck Jaws



Lathe Chucks



Stationary Workholding



Toolholders



Hydraulic Expansion Technology



VERO-S



KONTEC



TANDEM



ROTA

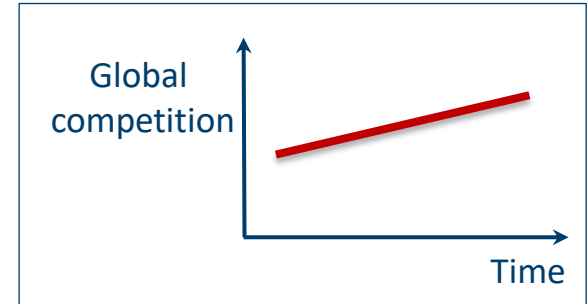
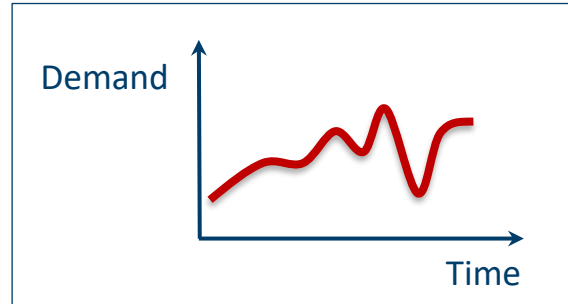
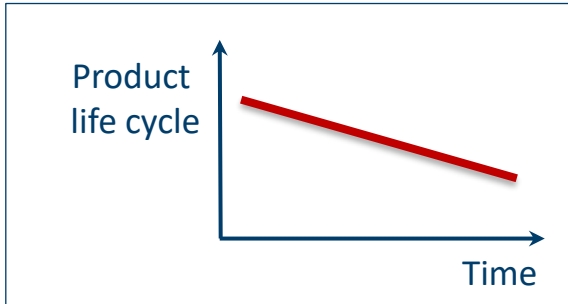
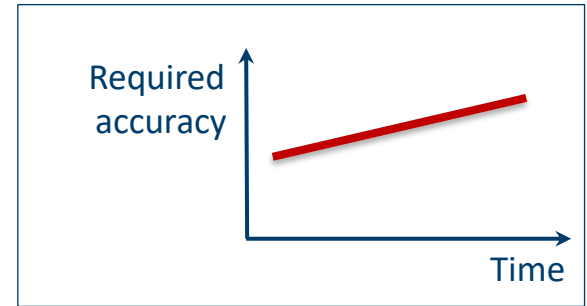
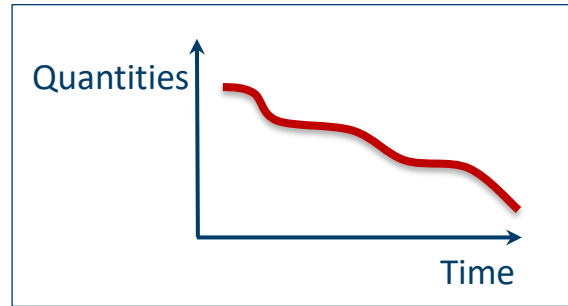
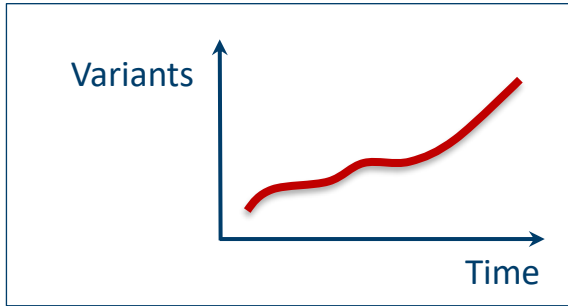


MAGNOS



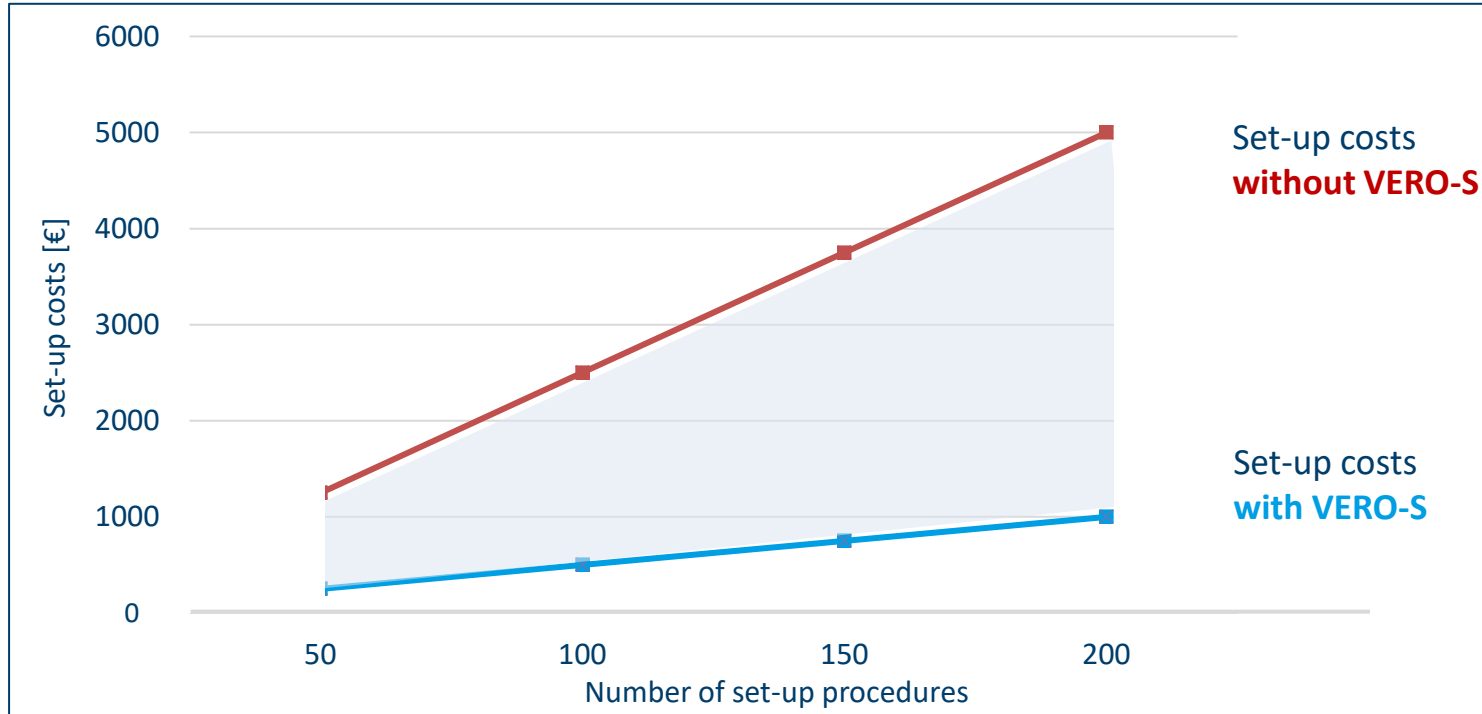
PLANOS

Challenges



Increasing relevance of the set-up process

Potential for savings



SCHUNK Services

Engineering

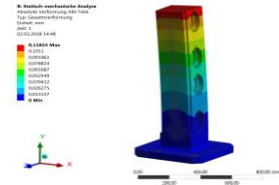
- Dimensioning of special plates designed to the manufacturing specifications
- Development of special solutions together with the customer
- FEM analysis for critical components

Testing

- Endurance tests with all new developments
- Abrasion checking
- Measurement of accuracy

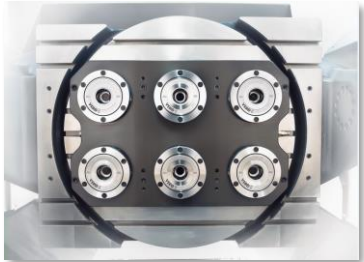
Service

- Initial operation of customer's solution
- Inspection and maintenance
- Repairs



VERO-S Overview

General milling applications



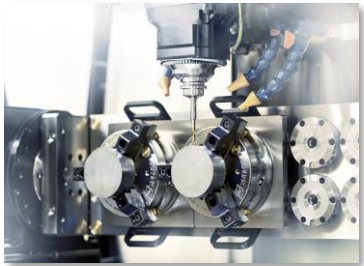
Direct workpiece clamping



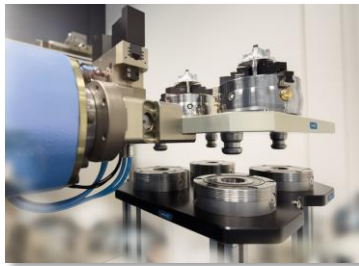
Milling and turning applications



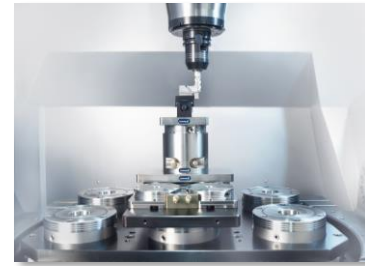
Easy milling applications



Automated machine loading

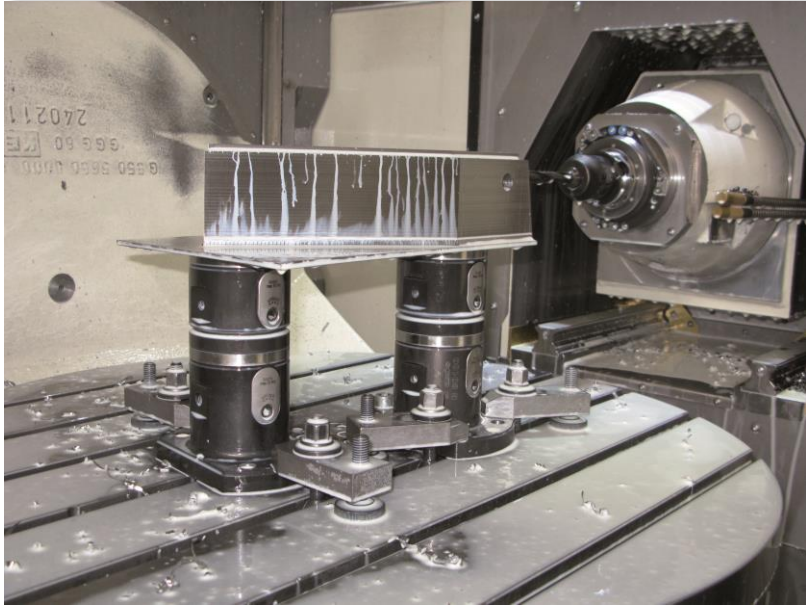


Further applications



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Application Examples



VERO-S WDM-5X:

Flexible positioning and mounting on the machine table.

Features/Application:

The installation height can flexibly be adjusted to the requirements of the machine.

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Application Examples



VERO-S WDM-5X:

Stable and precise workpiece clamping

Features/Application:

High flexibility regarding the interface to the workpiece via reduction adapter and clamping pin variants.

VERO-S WDM-5X

Application Examples



VERO-S WDM-5X:

Basic modules can be mounted on various machine tables.

- T-slot tables
- Grid plates
- Quick-change pallet modules

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2 Reduction



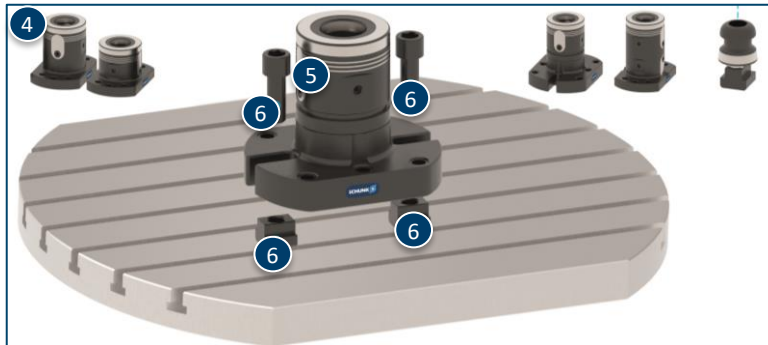
1 Clamping Pins

4 Basic Module



3 Stacking Module

6 Fastening



5 Actuation

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Why direct workpiece clamping?



Workpiece height extension
for optimum accessibility



Perfectly suitable for
through-holes



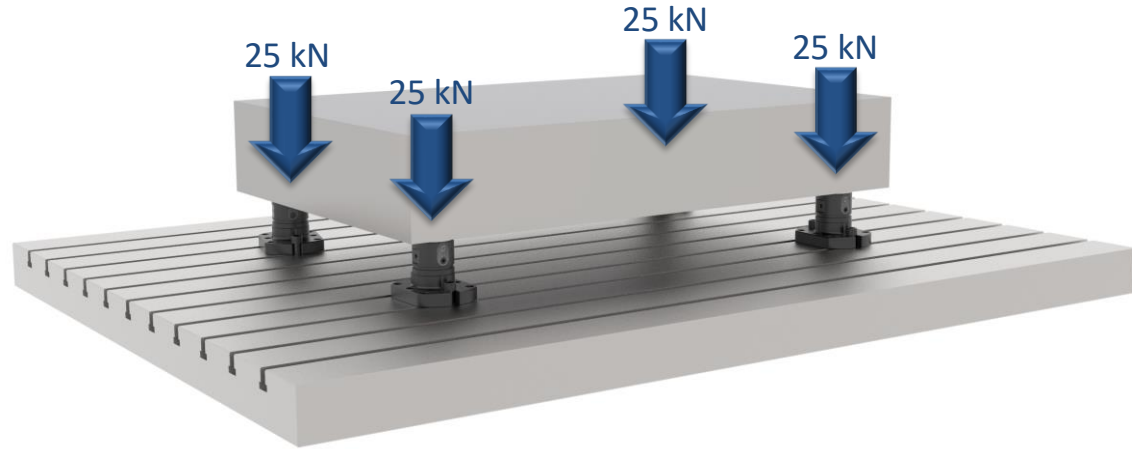
Ideally suitable for 5-sided
machining



Highest flexibility

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High pull-down forces – Reliable workpiece clamping



The workpiece is axial clamped with 100 kN by using four clamping units
→ 10 tons of clamping force at the workpiece

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Basic Module



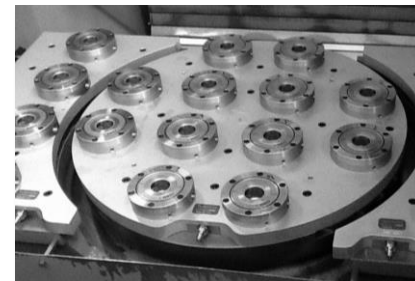
Grid size 50I40



Grid size 50I100



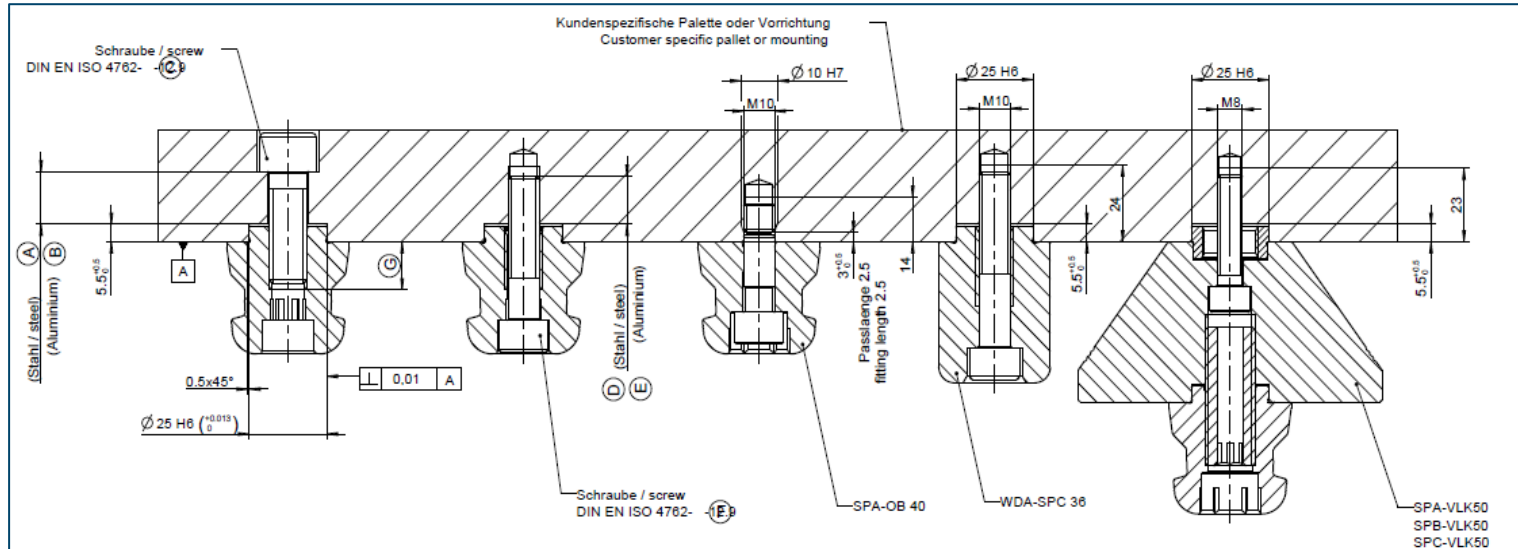
Double clamping



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Clamping Pins

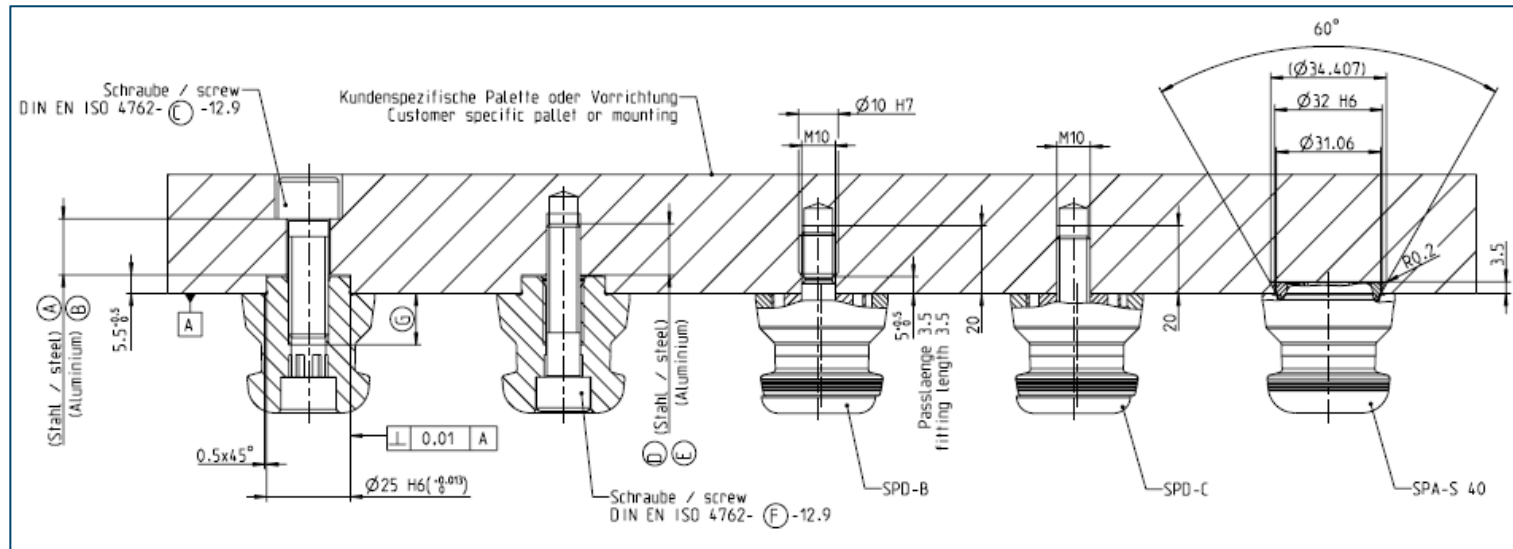
A wide variety of clamping pins, reduction adapters and corresponding extensions can be used as workpiece contacting interface.



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Clamping Pins

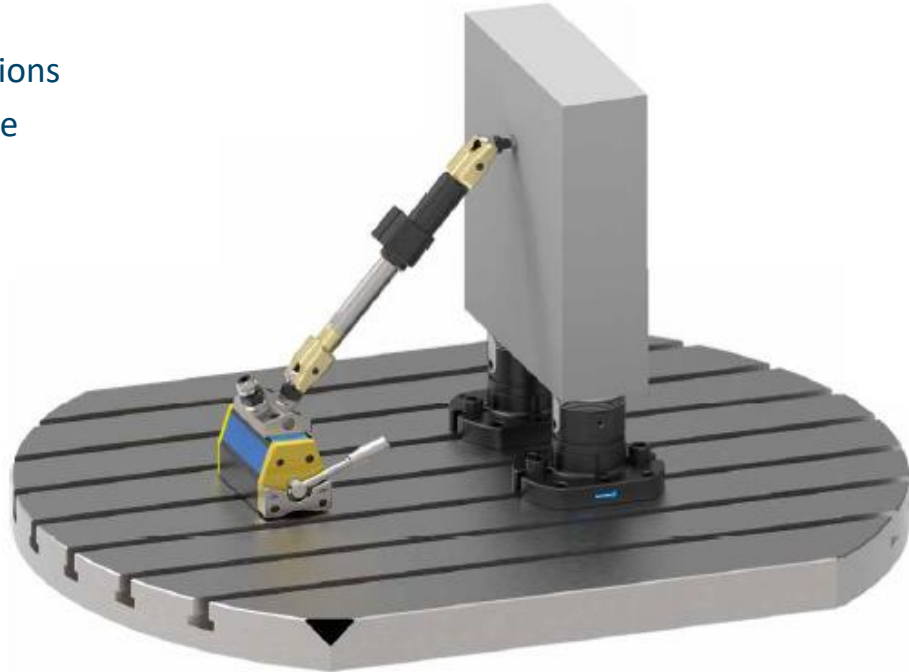
A wide variety of clamping pins, reduction adapters and corresponding extensions can be used as workpiece contacting interface.



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Telescope Clamping

- Maximum clamping force against vibrations
- Optimal lateral support of the workpiece
- For general stabilization



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Telescope Clamping



Telescopic clamping unit



Clamping ball with ball socket



Extension



Fine adjustment



Metal clip



Fastening set



Screw for T-slot fastening



Magnet MHM-ITS 125

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