

VERSA®

FEHLMANN VERSA® 645 *linear*
highly dynamic 5-axis machining
Accurately — reliably — compact



VERSA® 645 *linear*

Machining simple or complex precision parts — whether 5-axis with positioning or 5-axis simultaneous milling, the FEHLMANN VERSA 645 *linear* masters any demanding complex task with flying colours — accurately and reliably.

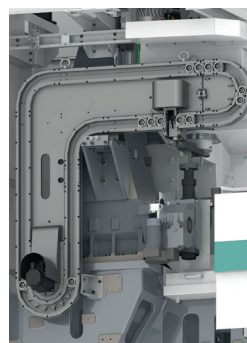
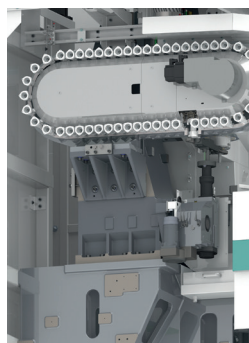
High rigidity with minimal thermal growth and optimal vibration damping due to the grey cast iron machine base, with three-point support system.

— FEHLMANN —

FEHLMANN VERSA® 645 *linear*— the advantages of the VERSA® family in an even more compact package.

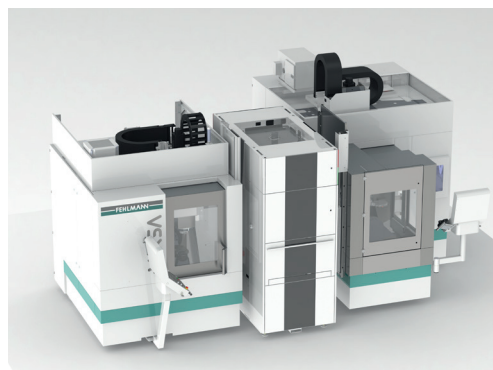
Characteristics of this innovation:

- Highly dynamic due to linear drives
- Excellent accessibility and optimal visibility into machining compartment
- Perfect dynamic accuracy due to weight-optimized moving parts made of spheroidal cast iron
- Perfect frontal operability with ergonomic configuration of all operating elements
- FEHLMANN MCM™ (Milling Centre Manager) for the comfortable control and supervision of automated systems
- Wide variety of pallet types up to individual customized solutions



In the basic version, the tool changer with chain magazine offers space for 50 tools (optionally max. 86 tools).

The optional rack magazine accommodates up to 225 additional tools and can be installed easily and in a space-saving manner on the left side of the machine.



Automation without limits

The right side of the machine remains totally accessible for automation thanks to an intelligent symmetrical concept. Standardized or also customized automation with robot may be retrofitted at any time, fast and easy.

Can also be combined as a two-machine solution with a FEHLMANN VERSA 825 (see picture above) or a FEHLMANN PICOMAX machining centre.

Technical Data

Made in Switzerland

Work area / Size of parts

X travel	350 mm
Y travel	500 mm
Z travel	300 mm
Swivelling axis A	240° (+/-120°)
Rotary axis C	360°
Table — spindle nose	100–400 mm
5-axis workpiece max.	Ø 350 mm / H 250 mm
Table load max.	150 kg
Feed rates max.	1–50 000 mm/min

Spindle / Tool changer

Standard	HSK-E50, 30 000 1/min ⁻¹ , 30 Nm
Optional	HSK-E40, 42 000 1/min ⁻¹ , 6 Nm
Magazine pockets	50 / 86 / rack magazine 225

Installation

Dimensions (machine W × D × H)	1990 × 2460 × 2900
Weight	7 t