

EMO Hannover 2017 — FEHLMANN Hall 12 / Booth C52

We are looking forward to welcoming you at the EMO exhibition in Hannover from September 18th to 23rd in hall 12, booth C52.

Experience our machines and solutions during live performances.

We are pleased to present to you:

- Machining of complex parts in aluminum, tempered and untempered steels and hard metal on 5-axis production cells with automation solutions
- Easy and efficient machining of single parts and small series — with either hand or CNC operation
- Solutions and inspiration for practice-oriented education in the metal-working industry

As you can see — exciting technologies and live demonstrations are waiting for you. Come visit us in Hannover — we are looking forward to seeing you!

Your FEHLMANN team

EMO HANNOVER 2017 —

«The World of Metal Machining»

Dates and opening hours:

Monday, September 18th to

Saturday, September 23rd 2017

9:00 to 18:00 daily



Exhibition Center address

Hermesallee, 30521 Hannover (Germany)

Complimentary Entry Voucher

Will we meet at EMO Hannover 2017?

Order your ticket for free entry from us today:

Phone +41 62 769 11 11 or at mail@fehlmann.com

We welcome you in hall 12 — booth C52

5-axis manufacturing cells with flexible automation systems — enhanced productivity with unattended shifts

5-axis machining centers VERSA 645 linear and VERSA 825 with pallet handling systems and rack magazine for 225 or 250 tools

- Optimal 5-axis machining of challenging work pieces. With integrated and directly driven rotary swivel table. Precision and thermal stability for consistent quality around the clock.
- Clever and space-saving automation. VERSA 825 and VERSA 645 linear are designed so that an automation system can be mounted on both machines, while still allowing operation from the same side.
- Excellent also for single pieces and small lot sizes. Both machining centers are equipped with their own rack magazine for up to 225 or 250 tools. Tools are located in the machine and can be called up at any time, without additional set-up time.
- Quick, reliable and intuitive thanks to the FEHLMANN host computer system Milling Center Manager MCM™. This software controls and monitors machine and loading robot comfortably with a mouse click.



Machining center PICOMAX 75 with 6-axis articulated arm robot — parts handling with automatic re-clamping

- The robot places the blanks into a pneumatically-operated vice, which is integrated into the FEHLMANN dividing unit for 4 and 5 axis machining. The parts are re-clamped fully automatically and exit the machine completely finished.
- In order to allow access for the operator, automation is installed on the side of the machine, a "FEHLMANN-typical" feature. Single parts and small series can be manually clamped on the 5-axis dividing unit or directly in a vice on the table at any time.



Conventional roughing all the way to HSC / HDC trochoidal milling

Machining center PICOMAX 95 — ideal for precision parts, machining of tough materials and hard milling

- Also perfectly suited for hard-to-mill materials due to high performance and torque.
- Optimized machine set-up and FEHLMANN HSK-A63 spindle combine rigidity, torque and dynamism perfectly, making this machine perfect for any job.
- Can be upgraded to 4 or 5 axes at an time — with full integration into the controls



Switch from manual to CNC — easily and quickly at the touch of a button

Milling machine PICOMAX 56 TOP with patented FEHLMANN control concept via TOP functions (Touch Or Program™) NEW Heidenhain with touchscreen

- NEW — Heidenhain controls with intuitive operation via touchscreen
- PICOMAX 56 TOP becomes a manual machine with the TOP functions — without foregoing the advantages of a 3 (optionally 4-axis) CNC machine.
- After only a short training period, machine can be used efficiently by trained staff — without programming knowledge
- Ideal for single part and small series production in tool and mould construction, in test series and prototype production, in a laboratory, as well as apprentice training (CNC beginners)



Milliling machine PICOMAX 56 L TOP — L version is more flexible and versatile. X- travel extended to 800 mm and clamping surface is 1400 × 480 mm

- Machine overly long work pieces without re-clamping in one step – for time and cost savings
- Up to 4 clamping devices and one dividing unit can be simultaneously mounted on the large 1400 × 480 mm surface
- Machine multiple parts without interruption or perform multiple steps without re-clamping
- Machine longer work pieces in 4 axes with the dividing unit



Manageable and robust for every work shop

Precision coordinate boring and milling machine PICOMAX 21-M with feed table. Manageable, robust and with high operator comfort

- Ideal for training and production of single parts and small lots.
- Positioning for hole circles, dot patterns and rectangular pockets can be approached quickly and precisely with the integrated motor table — manually or automatically
- Simple and comfortable input via digital display's touchscreen
- Glass rulers and ball screw spindle guarantee long-lasting high quality



Your Precision Advantage.®

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