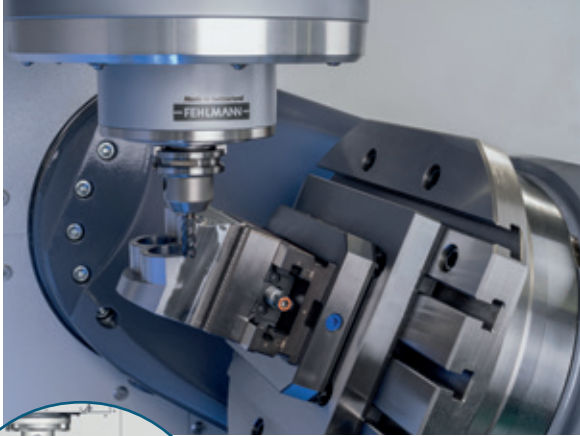


PICOMAX[®] 550/550 PRO

FEHLMANN milling machine for versatile, modern 5-axis machining with a compact design

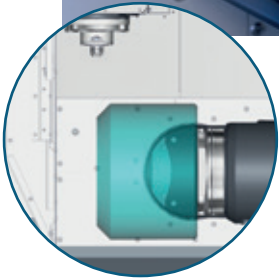
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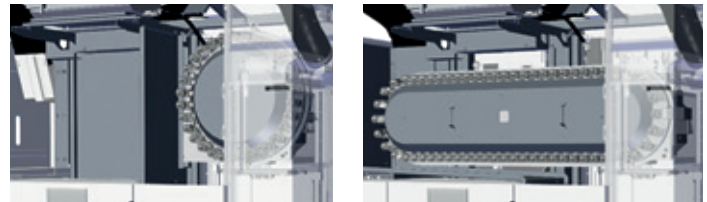


Areas of application:

- For universal and modern 5-axis machining
- Machining of single parts as well as series parts
- Precision parts production
- Prototype production
- Tool and fixture production
- Laboratories
- Apprentice training, including simultaneous 5-axis machining



Generous swing circle of \varnothing 500 mm offers space for clamping devices



Tool changing system is available with disk magazine for 30 tools or chain magazine (PRO version) for 60 tools

The brand new PICOMAX 550 offers an economical and technologically advanced solution for versatile 5-axis machining. Compact, user-friendly and powerful – quality that will impress you.

The basic version is already designed for universal 5-axis milling with positioning as well as for 5-axis simultaneous machining. The disk tool magazine offers space for 30 tools. For the PRO version, faster spindles, an automatable zero-point clamping system in the machine table and a chain tool magazine with 60 tool positions are available. Automation for pallet or parts handling is also a possibility, upon request. The compact, well-thought-out design of the PICOMAX 550 ensures perfect accessibility and operating ergonomics. The tool magazine with the integrated tool manager can be conveniently loaded from the front during machining. The generous swiveling range and the direct, backlash-free and dynamic torque drives enable precise machining of a wide range of demanding parts. The latest generation Heidenhain TNC 7 control with touch operation and CAM connection provides the necessary functionality.

TECHNICAL DATA

Travel distances

| | |
|-----------------|-----------------|
| Travel X | 550 mm |
| Travel Y | 400 mm |
| Travel Z | 400 mm |
| Swivel axis B | -45° up to 135° |
| Dividing axis C | 0° up to 360° |

Table/Work area

| | |
|-------------------------------|--------------|
| Clamping surface L x W | 320 x 320 mm |
| Max. permissible table load | 150 kg |
| Distance table – spindle nose | 80 – 480 mm |

Spindle

| | |
|-------------|------------------------------|
| Speed range | 12 000 / 20 000 / 30 000 rpm |
|-------------|------------------------------|

Tool changer

| | |
|------------------|--------------------|
| Magazine pockets | 30 respectively 60 |
|------------------|--------------------|

Weight

| | |
|-------------------------------------|---------|
| Machine-tool (excl. cooling medium) | |
| PICOMAX 550 | 5050 kg |
| PICOMAX 550 PRO | 5250 kg |

by Fehlmann 0924. Subject to technical changes.