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MADE IN GERMANY

Digital Milling Machine



Strategic Partner

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S1/S2 Impression

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5 Axis | 1 Blank | 16 Tools | Dry & Wet | Mill & Grind

Machine Bed of Massive Aluminium Cast

Thus these machines gain much stability at minimal exterior dimensions. Moreover, vibrations are reduced and the mechanics is optimally protected.

Automatic Changer For 16 Tools

In addition to the currently required tools, you can equip the tool changer with replacement tools right away. Thus you can continue working without interruption if a tool is worn out.
Haptic tool measurement for usage of diamond-coated tools.

Worldwide Applicable

Due to far range switching mode power supply for 100 – 240 V and 50/60 Hz with country-specific mains plug.
Certification according to ANSI/UL 61010-1 for exports to the USA and Canada.

5 Simultaneously Working Axes

The second rotary axis (B axis) with a rotation range of up to ± 30 degrees enables you to mill undercuts and so opens up new machining possibilities.

Sophisticated Protective Mechanisms

Protection of the danger zone during the machining process due to an automatic safety interlock at the front cover.
Protection of the mechanics against machining debris as well as reduced wearing and maintenance effort due to integrated working chamber sealing air concept.

Optional Wet Grinding Module

Both machines are prepared for connecting the wet grinding module. There are liquid nozzles already mounted at the spindle so that the tool will be optimally cooled while grinding. Thus you can also process glass ceramics.

Powerful And Highly Precise Synchronous Spindle

With 4-fold hybrid ceramic ball bearings and a nominal power of 300 W under continuous load.

Blank Changer For 8 Blanks

You fit the changing station with blanks via a smaller additional front cover. The proper blank for your milling job is inserted into the fixing device automatically when required. So the machine can mill around the clock and no operation steps have to be performed.

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Key Features

- Dry and wet machining
- Plastics, wax, zirconium oxide, composites, CoCr, approved glass ceramics types, titanium
- 5 axis, 3 linear and 2 rotary axis (360° and ± 30°)
- Dimensions (W/D/H): S1: approx. 490 x 445 x 540 mm, S2: approx. 692 x 445 x 540 mm
- Weight: S1: approx. 75 kg, S2: approx.95 kg
- Fixing device for round universal blanks: Ø 98.5 mm with step and 10 – 30 mm thickness
- S1: Manual blank change, S2: Automatic changer for eight blanks
- Automatic tool changer for 16 tools with haptic tool measurement
- External wet grinding module and holder for 3 blocks (optional) for wet machining
- Certification according to ANSI/UL 61010-1 for exports to the USA and Canada

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Working chamber of a S2 Impression – blanks and tools will be exchanged automatically. The feeding from the blank changer is carried out via the shutter on the left side.





Automatic changer of an S2 Impression for 8 blanks – they will be loaded automatically into the fixing device for machining.

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