

## img5030

### The powerful one

- Steel/polymer concrete basic structure
- Linear axes on precision profile rails
- High-frequency spindle up to 3.2 kW and 60,000 rpm
- Heidenhain® TNC 640 control
- 3-axis and 5-axis version possible



## iMG5030 | The powerful...

CNC milling machine for wet processing is the result of years of research and development in CNC technology and offers unsurpassed precision and performance. With a robust steel/polymer concrete base structure and state-of-the-art components, this milling machine is designed to meet the requirements of demanding manufacturing processes.

The 3-axis version of our CNC milling machine is characterized by a machine bed made of UHPC concrete, which ensures exceptional stability. Linear axes on precision profile rails guarantee maximum accuracy when machining your workpieces. Equipped with a Heidenhain® TNC 640 control, 20 mm ball screws, AC servos and an automatic HSK-E 25 pneumatic changing system with double-arm tool changer, this model enables efficient and precise production. The 20-station turret magazine together with the Jäger Z62 main spindle, which reaches up to 3.2 kW and 60,000 rpm and is liquid-cooled, rounds off the profile of this powerful machine.

For even more complex machining processes, we offer the 5-axis version. In addition to all the advantages of the 3-axis machine, this version has a swivel axis (B) with cycloidal gearbox and a rotary axis (A or C), which is driven by a torque motor. These additional axes open up new possibilities in 5-sided machining or simultaneous 5-axis machining, which makes the machine even more versatile.

### Features

#### 3-axis CNC machine

- UHPC concrete machine bed
- Wet cell with surge cooling
- Linear axes on precision profile rails
- Heidenhain® TNC 640 control
- HSK-E 25 automatic pneumatic tool changer system with double-arm tool changer
- 20-fold turret magazine

#### 5-axis CNC machine

- Swivel axis (B) - cycloidal gearbox
- Rotary axis (A or C) Torque motor

### Optionen

- 3D measuring probe for detecting the workpiece zero points or remeasurement of workpieces
- Laser for non-contact tool inspection
- 4th/5th axis as rotary/swivel axis
- Manual control unit
- Professional CAD/CAM solutions

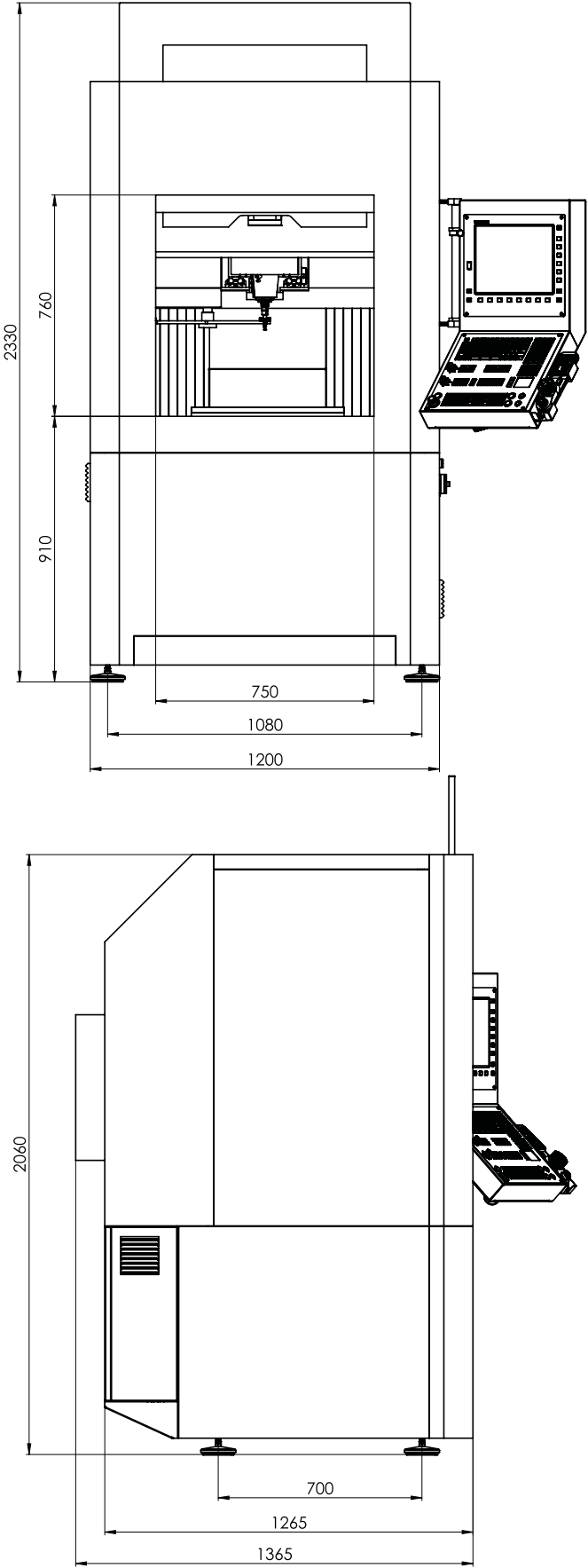
### Technical data

#### iMG 5030

Travel ranges X/Y/Z [mm]*	500 / 300 / 250
Rotary swivel unit B/C	B = 150°   C = endless
Table clamping area WxD [mm]	450 x 350
Table load capacity [kg]	200
Dimensions WxDxH [mm]	1200 x 1365 x 2330
Type	UHPC concrete machine bed
Drive motors	AC Servo with ball screw drive 20 mm
Travel speed [m/min]	20
Milling spindles	High-frequency spindle up to 3.2 kW / 60,000 rpm, liquid-cooled
Operation	Heidenhain® operator terminal with 24" full HD touchscreen
Control	Heidenhain®
Software	Heidenhain®
Weight [kg]	ca. 1200
Electrical specifications	32 A / 400 V
<b>Part No. 3-Achs</b>	<b>on request</b>
<b>Part No. 5-Achs</b>	<b>on request</b>

Machine dimensions without control panel or additional accessories. Travel ranges without machining unit and other attachments (tool changer, length measuring probe, etc.).

**img5030** | Dimensional drawing [dimensions in mm]



## img5030 | highest machining quality

### Typical materials:

- steel / stainless steel
- Titanium
- graphite
- copper
- brass
- aluminum
- ceramics
- special materials

### Application areas:

- micromachining
- precision machining
- medical Technology
- electronics Industry
- automotive supply industry
- tool/mold making

