

Available machine sizes of TX Series

Model no.	X axes	Y Axes	Z axes	A axes	C axes
TX 2015	2100 mm	1600 mm	1100 mm	+/- 135°	+/- 360°
TX 3020	3100 mm	2100 mm	1100 mm	+/- 135°	+/- 360°

Prepared for almost any application

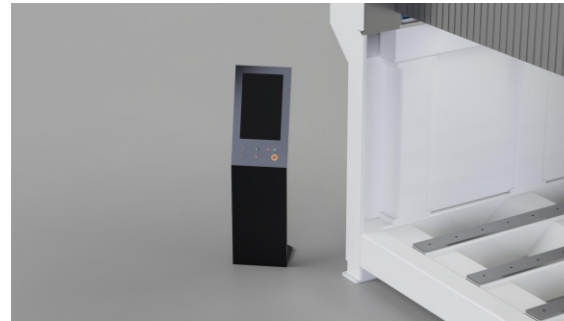
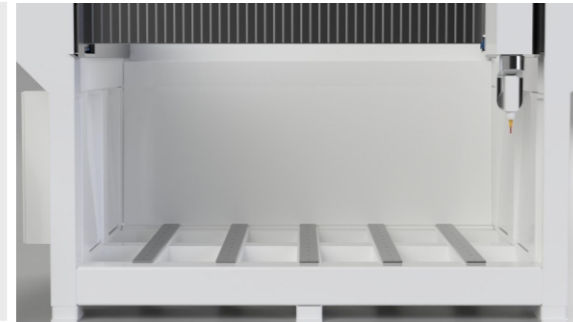


5 Axis Processing on all freedom of axes

- High volume of processing up to 3100 mm x 2100 mm x 1100 mm
- High milling power up to 15 KW / and 60.000 rpm
- Chips extraction container in base of the machine

Fastening systems

- Fixing the device or the semi-finished product is done mechanically on the base of the machine
- Optionally, the part can be fixed with vacuum



Modern Control Functions - Enabling Industry 4.0

- Our combination of a large display area, multi-modal Input options and APP capabilities ensures efficient machine operation, even when fast production changes, supporting First-Time-Right-Production of one-off items.

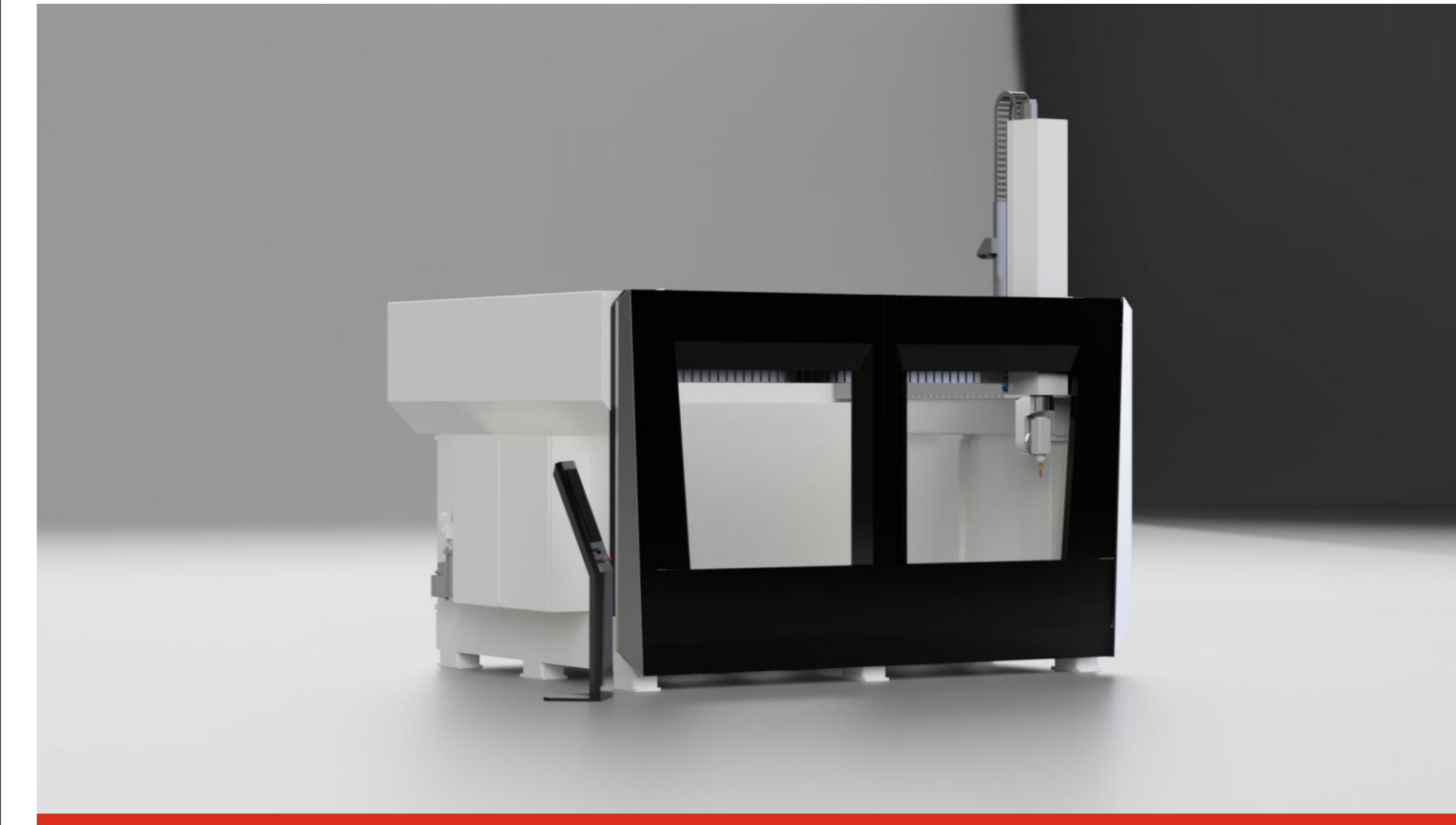
Reduced Footprint

- Excellent design that requires a reduced footprint on the ground (Front x Lateral x Height)
- TX2015 - 3525 mm x 3300 mm x 4300 mm
- TX3020 - 4525 mm x 3800 mm x 4300 mm



Gantry Milling Machines TX Series

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TX Series

Gantry Milling Machines

5 Axis Machine & High Speed Spindle Motor

- Rotation speed up to 60.000 rpm
- Power: from 6 KW / S1 up to 15 KW / S1
- Motor technology 3-phase asynchronous drive
- Tool magazine up to 200 tools

Gantry Machining for aluminium, composite and plastic

- Accuracy of positioning in all axes with 5 axis interpolated control
- Thermal compensation ensures stable, precise and high quality production process
- Swiss Made transmission - precision with hardened surface
- Sophisticated design and large working area
- Improved ergonomics for easy handling and loading of heavy work pieces
- Huge table up to 3100x2100 mm for cutting of parts up to 3000 kg
- Milling Feed Speed up to 20.000 mm/min
- The laminated profiles welded in argon gas offer benchmark for highest rigidity
- Improved structure concept for X axis offer large clearance of work table.
- Rigid Y-axis concept in whole range of travel
- FEM-optimized design & construction
- Precision in every component and detail

Transmission - Swiss Made

- Swiss Dynamics uses high precision profiled linear guideways rollers and planetary gearboxes to achieve excellent accuracy of 4µm the machining processes.

NEW! CNC Controller Siemens Sinumerik ONE

- SINUMERIK ONE combines CNC, HMI, PLC, closed-loop control and communication tasks within a single PPU. For operation, programming, and visualization the corresponding operating software is already integrated into the CNC software for the PPU and therefore runs on the high-performance PPU module
- The new panel 22" is flat, features ergonomically positioned keys, completely redesigned hardware and a brand new user interface.
- User - friendly operator guidance screen with clear machine status display
- Increase transfer speed up to 60 m/min
- Powerful control unit for smooth operation & improved simulation time
- Advanced 3D simulation for collision-free machining process

Doors with automatic opening

- Linear transmission
- Position control with servo motor
- Opening speed up to 1m/sec

Vacuum System is optional

- High performance vacuum system based on Oerlikon SogeVac vacuum pump with total power from 100 cm³/h and a pressure up to 0.8 mBar Abs.
- Long oil life time and easy maintenance.
- Variants suitable for every application.

