

2-Spindle Horizontal Machining Center

This machine was mainly designed for multi-spindle machining, horizontal drill- and milling of heavy cylinders. In order to allow the machining of other work pieces, the first unit was designed as dynamic box-in-box unit. This box-in-box unit features an increasing X-traverse path and a higher-capacity work spindle.

The three-part machine frame of the box-in-box unit and the two-part machine base were made of a vibration-reducing composite-material construction. The 2500 mm large CNC-rotary table was designed for extra heavy work pieces with a weight up to max. 45 tons. With this rotary table any angle with an accuracy of ± 3 angular seconds can be positioned.

The use of manually adjustable, automatic exchangeable two-spindle drill heads in both units allows a considerable reduction of machining time. Two automatic tool magazines are additionally able to hold further drill- and milling tools.

Technical Details

Traverse path

X1 / X2-axis	2500 / 200 mm
Y1 / Y2-axis	1800 mm
Z1 / Z2-axis	1000 mm

Feed rates

max. speed	30 m/min
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Main drive 1

max. capacity S1 / S6	28 / 42 kW
max. torque	534 / 2136 Nm
max. speed	3000 rpm

Main drive 2

max. capacity S1 / S6	33 / 45 kW
max. torque S1 / S6	157 / 215 Nm
max. speed	10000 rpm

Rotary table

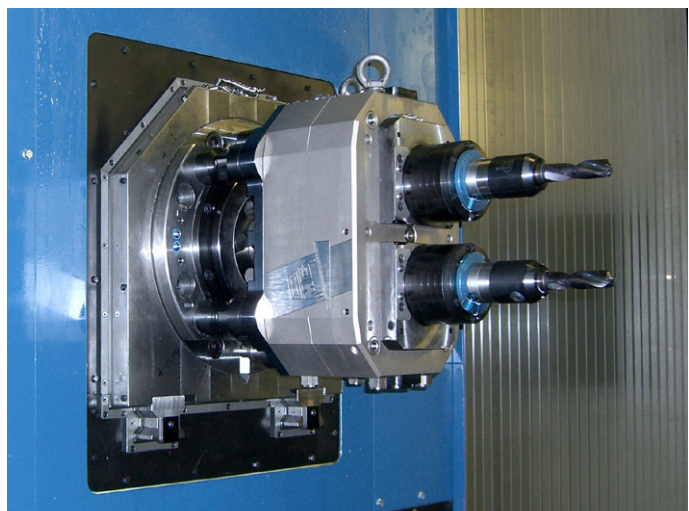
diameter	2500 mm
max. speed	6 rpm

Tool magazine

tool slots	3 + MSH
tool holder	HSK-A 100

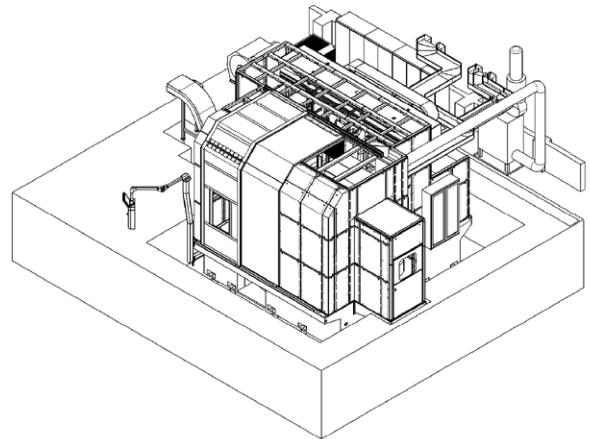
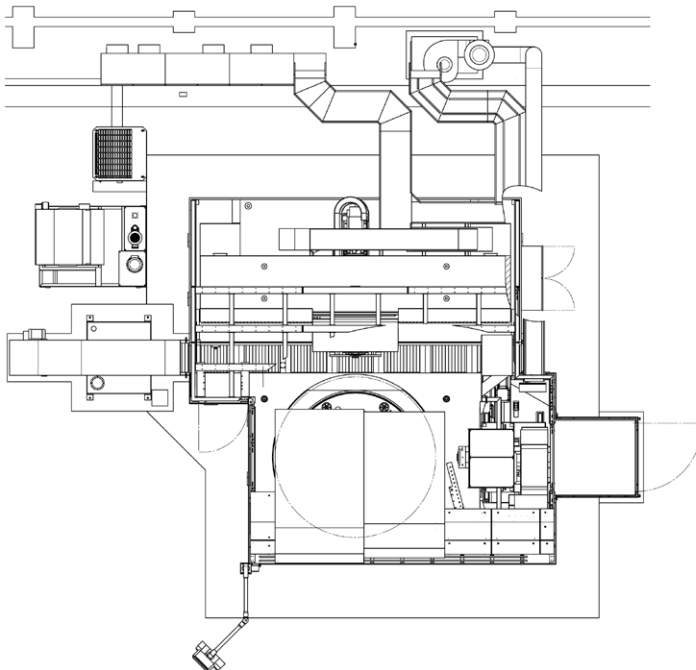
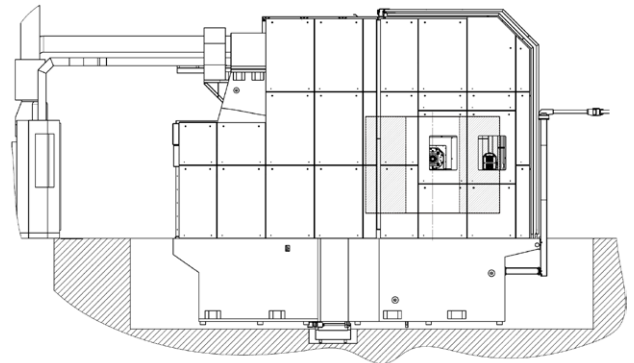
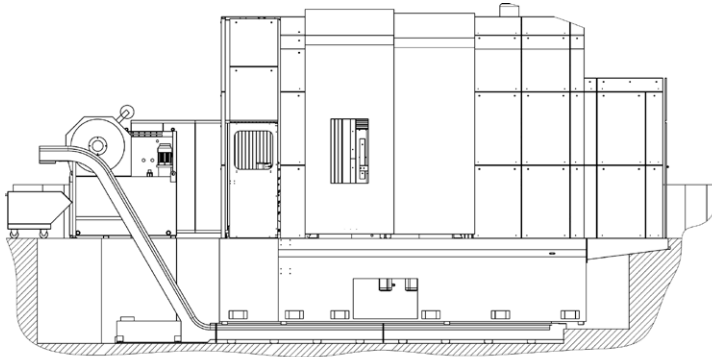
Dimensions

space assignment	11.7 x 9.3 x 6 m
total weight	166000 kg



SPX 5176

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