PRIMINER



PT-FLEX

High Speed Gantry Type
5-Axis Machining Center

5X

PT-Flex Series

High Speed Gantry Type 5-axis Machining Center

X/Y axis
Linear motor
Direct drive



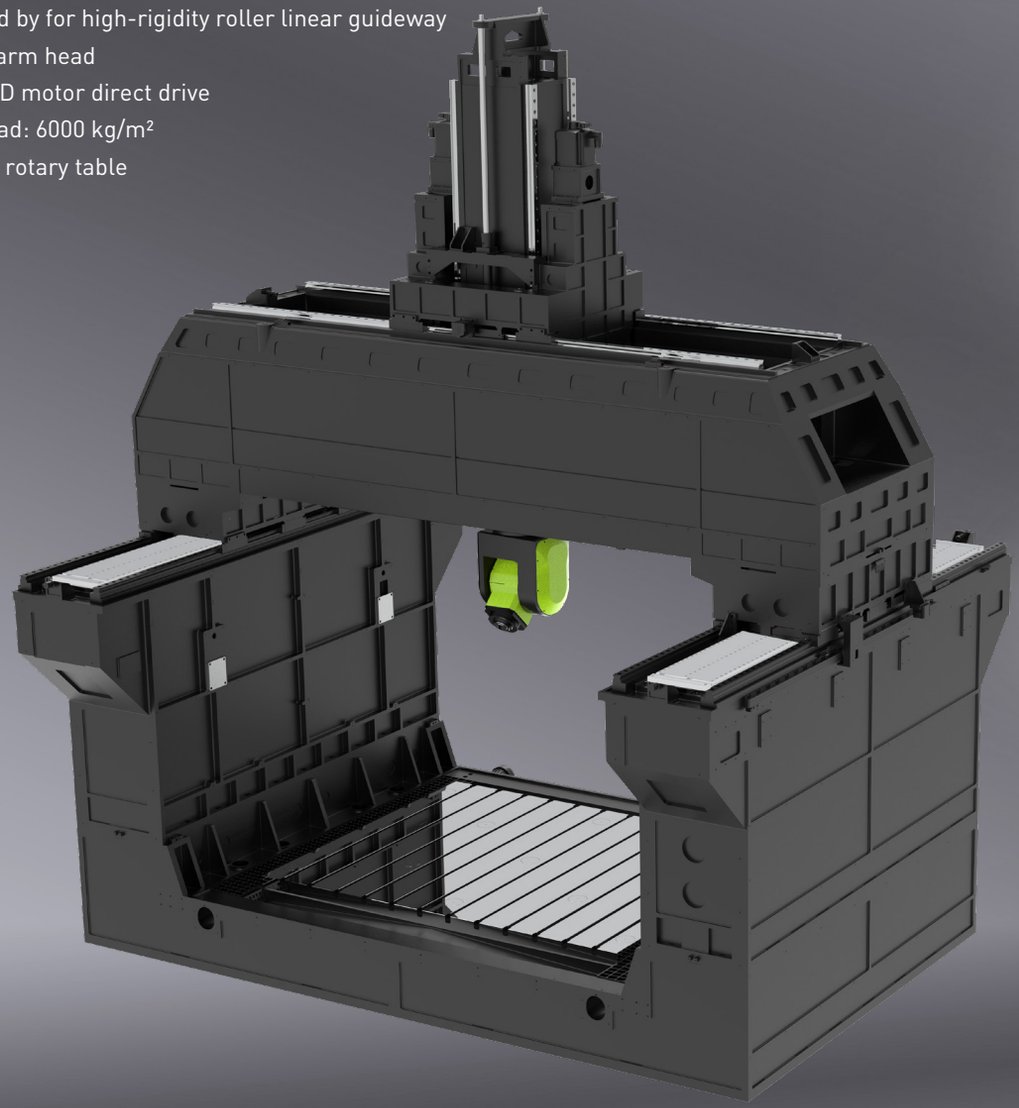
Standard Configuration

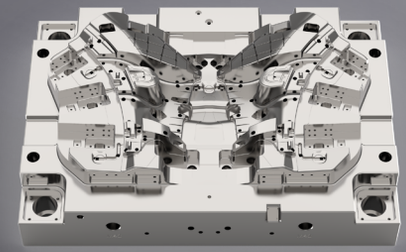
- Model S AC head, bulit-in spindle HSK A63 24000rpm, 30/35kW, 72/85Nm (SIEMENS/ HEIDENHAIN)
- 32 pockets chain type tool changer, HSK A63
- Sealed linear scales on X/Y/Z axes
- Rotary encoder on A/C axes
- Two screw type and one chain type chip conveyor
- High precision spindle water cooler
- Air-condition electrical cabinet

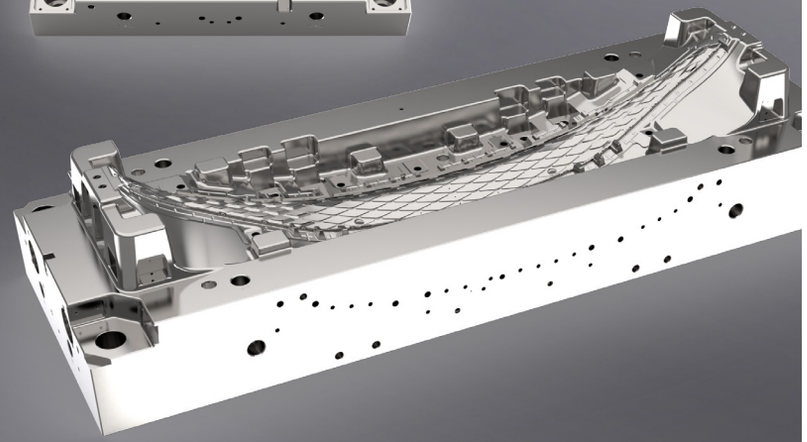
The above specifications are subject to change without prior notice.

Features

- Gantry type structure design
- Structure with symmetrical column and one-piece base structure
- Box-in-box symmetrical crossbeam structure
- X/Y axes linear motor direct drive (60m/min)
- X/Y axes with magnetic cooling system
- Z-axis is supported by for high-rigidity roller linear guideway
- DD driven double arm head
- A/C axes adopts DD motor direct drive
- Maximum table load: 6000 kg/m²
- Optional 6th axis - rotary table









PT-Flex 2520



PT-Flex 2540

Specifications	PT-Flex 2520		PT-Flex 2540	
X/Y/Z-Travel	2,000 / 2,500 / 1,000 mm (Option 1,200mm)		4,000 / 2,500 / 1,000 mm (Option 1,200mm)	
A/C-Travel	±108 °/ ± 360 °	±115 °/ ± 360 °	±108 °/ ± 360 °	±115 °/ ± 360 °
Table size	2,500 x 2,000 mm		2,500 x 4,000 mm	
Max. Table load	6000 Kg/m²		6000 Kg/m²	
Spindle taper	HSK A63	HSK A100	HSK A63	HSK A100
Spindle speed	24,000 rpm	15,000 rpm	24,000 rpm	15,000 rpm
Spindle motor power	30 / 35 kW	40 / 50 kW	30 / 35 kW	40 / 50 kW
Spindle motor torque	72 / 85 Nm	103 / 129 Nm	72 / 85 Nm	103 / 129 Nm
CNC Control	Siemens / Heidenhain			

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"Our partnership combines German engineering with Chinese manufacturing power – precise, efficient, and on equal footing. This combination is not a compromise, but a true competitive advantage."

Benjamin Kaehlcke und Jack Chen
CEOs
Priminer Machine Tools

PRIMINER Werkzeugmaschinen GmbH
Tungendorfer Str.10 · 24536 Neumünster / Germany
Tel:+49 (0) 4321-25 20 03-0
E-Mail: info@priminer.de

PRIMINER SOUTH EAST EUROPE · PRIMINER d.o.o. BEOGRAD
Vladimira Popovica 38-40 · GTC - 11070 Beograd / Srbija
Tel:+381 69 702 705
Fax:+381 11 715 69 00
E-Mail: office@priminer.de

PRIMINER MACHINE TOOLS DONGGUAN CO., LTD
XinRuYi Industrial Park, Fuxing Road, Xingguang Village,
Huangjiang Town, Dongguan, P.R.China
Tel:+86 769 838 490 61
Fax:+86 769 838 490 62
E-Mail: info@priminer.com

PRIMINER USA
South Carolina
Tel:+1 (267) 907-4106
E-Mail: sales@priminerusa.com

Priminer Thailand Co Ltd
8 Chaloem Phrakiat Ratchakan Thi 9 Soi 30 Yaek 23,
Dok Mai, Prawet, Bangkok 10250 Thailand
E-Mail: info@priminer.com





https://www.priminer.de

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