

PRIMINER

V2516

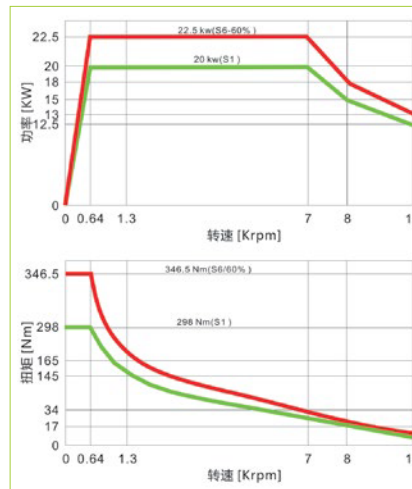
Double Column Center



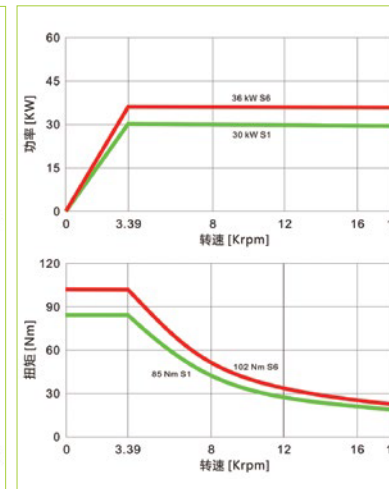
V2516

- Extra wide column to increase connection surface with the crossbeam to avoid vibration during cutting
- X/Y axis with roller type linear guideways and Z-axis with boxway guideways, as standard with belt drive spindle.
- For optional with built-in spindle, all 3-axis are with roller type linear guideways.

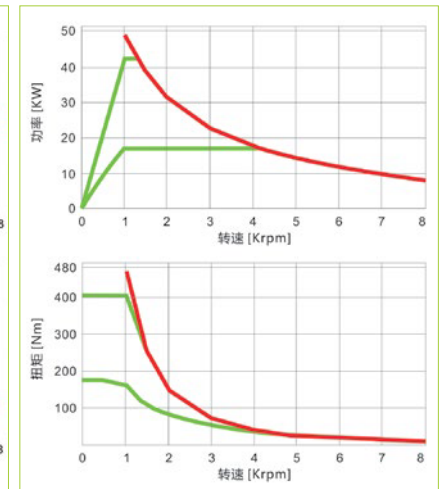
Spindle Torque & Power Diagram



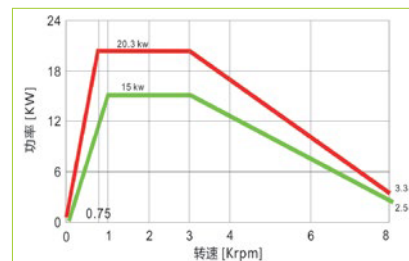
HSK A100 , 12000rpm(SIEMENS)



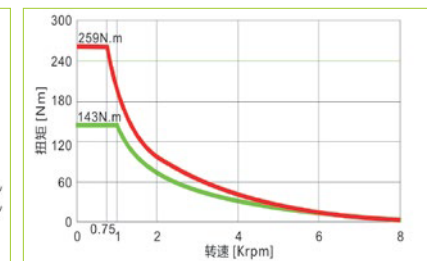
HSK A63 , 18000rpm(SIEMENS)



BT50 , 6000rpm(SIEMENS)



BT50 , 6000rpm(FANUC)



BLUM MEASURING SYSTEM

Universal High-Speed touch probe with multidirectional measuring mechanism

- ✓ Detection of workpiece position
- ✓ Correction of workpiece orientation
- ✓ Thermal compensation of the machine tool
- ✓ Contour measurement

Your benefit:

- ✓ Measuring speed up to 3 m/min
- ✓ Precise, non-lobing touch characteristics
- ✓ No-wear, optoelectronic measuring mechanism
- ✓ Use of two measuring systems with one IR receiver
- ✓ Extended battery life
- ✓ Precise measurement even with coolant
- ✓ Proven and robust design

Highlights

- ✓ Proven high-precision laser measuring system;
- ✓ Non-contact, optical tool measurement;
- ✓ 100 % reliable due to BLUM protection system



FANUC Series 0i-MODEL F Plus

New World-Standard CNC

As a successor to the Series 0i-MODEL F, the FANUC Series 0i-MODEL F Plus has been released with renewed design, enhanced basic functions and the pursuit of ease of use. It is equipped with the latest control technology for fine surface machining and reducing cycle time, and with customizable functions that can flexibly.

Your benefit:

- Reduced cycle time
- High-Speed, Fine Surface Machining
- Renewed design
- Equipped with +HMI (Type 0)
- Equipped with FANUC's latest CNC and servo technologies
- Comes standard with customizability functions
- Extended memory capacity
- Consistent Support at Shop Floor
- Easily use memory cards as high-capacity program memory devices
- Supported Industrial Ethernet/Field Networks
- Improvement of the safety of machine tool and machining line



Siemens Sinumerik 828D

The perfect solution for all performance classes New Panel Processing Unit

- Higher processor performance
- Digital Input with higher voltage stability
- 1GB Ethernet interface X130
- Pull-relief for the DRIVE-CLiQ and PN cables
- More robust touch-operation 15,6" PPU290.4

Features for milling cogging torque compensation and 2nd channel for milling

- System integrated function
Drive-based function SINAMICS
- Automatic measure of the cogging torque
- Pre-control of periodic repetitive torque ripple
- Function available for rotative-, linear- and torque motors
- 2nd Channel Milling
For both machining and handling & robot purpose

Nodding Compensation ECO/Advanced and Advanced Position Control ECO

- Intelligent control based compensation
- New developed compensation algorithm
- System integrated function
- As a CNC and HMI feature
- Scalable function in 3 steps
- ECO
- Advanced
- Compile Cycle
- Commissioning support with HMI masks
- Additional input mask from SINUMERIK Operate

Higher speed, more accurate for the entry level

Tool Ident Connection

Jerk Adaption

Top Speed plus

Intelligent Load Control (ILC)

Intelligent Dynamic Control (IDC)



STANDARD CONFIGURATION

- Fully enclosed splash guard
- Belt drive spindle 6000rpm
- Chip conveyor (2 screw type & 1 chain type)
- Air-conditioned electrical cabinet
- Rigid tapping
- Spindle oil cooler
- Ethernet, CF card & USB interface
- Automatic lubrication system
- Coolant system
- LED working lamp
- End of program light
- Electronic handwheel (MPG)
- Toolbox
- Leveling bolts & blots
- Coolant gun
- Air gun
- User Manual

OPTIONAL CONFIGURATION

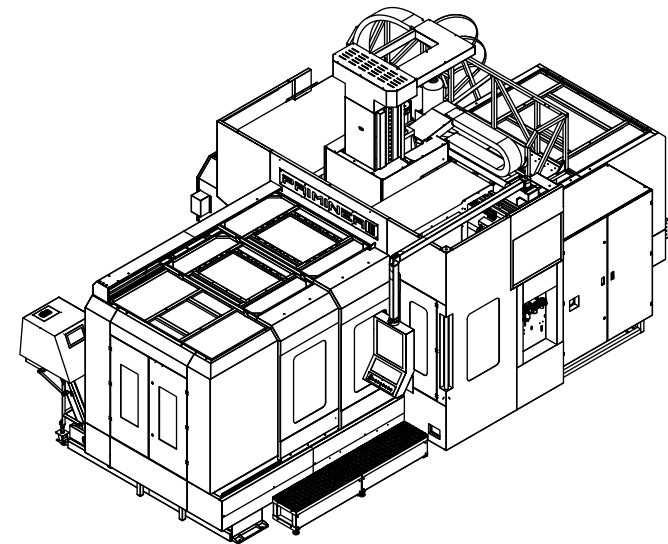
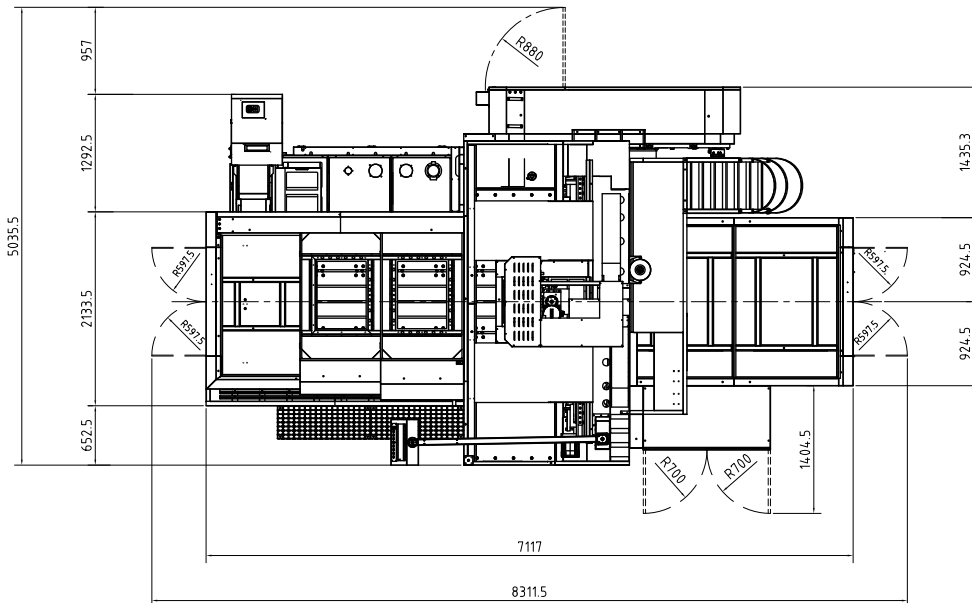
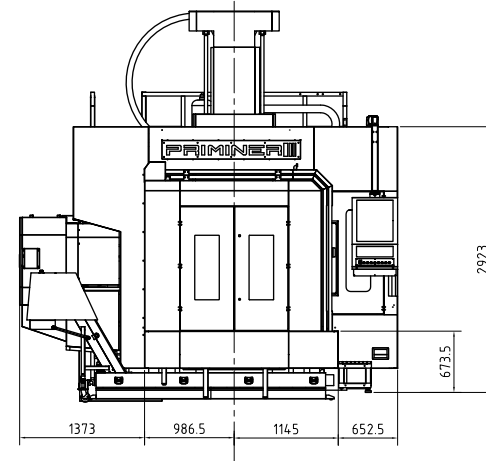
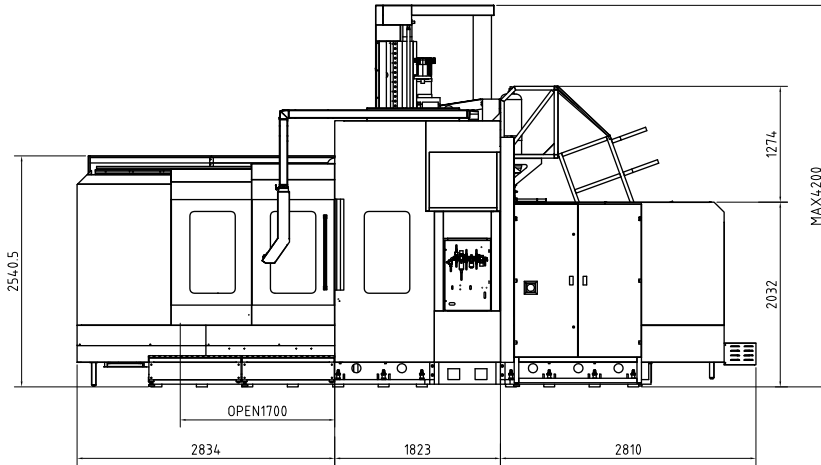
- Built-in spindle HSK-A100 12000rpm, 20/22.5kW, 298/346Nm (SIEMENS)
- Built-in spindle HSK-A63 18000rpm, 30/36kW, 85/102Nm (SIEMENS)
- 60 pockets chain type tool changer
- 40 pockets chain type tool changer
- CTS coolant through spindle +ATS
- Belt drive spindle with BF gearbox
- Linear scales on X/Y/Z axis
- Extra 200GB SSD program memory (Only available on SIEMENS Control)



TECHNICAL SPECIFICATIONS

Table	Units	Specifications
Table size	mm	2,500 x 1,400
T-slot (width x number x distance)	mm	22 x 7 x 170
Max.load	kg	7000
Travel		
X/Y/Z Travel	mm	2,500 / 1,600 / 800
Spindle nose to table surface	mm	270 ~ 1070
Distance between columns	mm	1600
Spindle		
Spindle speed	rpm	BT50 / SK50 , 6000
Power/torque (SIEMENS)	kW/Nm	17/42 kW , 183/400 Nm
Power/torque (FANUC)	kW/Nm	15/20.3 kW , 143/259 Nm
Feedrate		
Rapid feedrate X/Y/Z	m/min	20
Cutting speed	mm/min	1 ~ 12,000
Accuracy (VDI3441 Full travel)		
Positioning accuracy (without linear scales)	mm	0.015
Positioning repeatability (without linear scales)	mm	0.012
Positioning accuracy (with linear scales)	mm	0.120 / 0.010 / 0.010
Positioning repeatability (with linear scales)	mm	0.010 / 0.008 / 0/008
Dimensions & Weight		
Dimensions	mm	7,090 x 4,120 x 4,250
Weight	kg	20,500

MACHINE DIMENSION







IMINER Global TEAM

PRIMINER Solutions



hyperMILL

DIJET NS TOOL

SolidCAM
The Leaders in Integrated CAM

GÜHRING



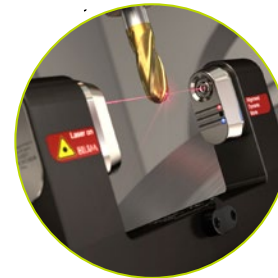
pl LEHMANN

HAIMER



SCHUNK

Blaser.
SWISSLUBE

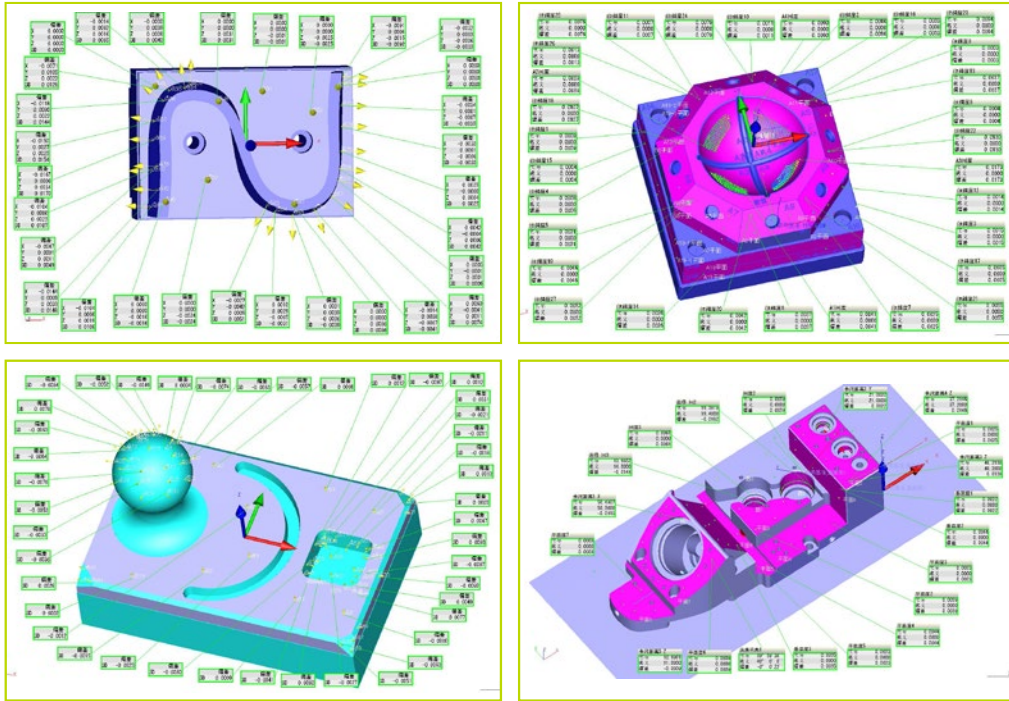


REGO-FIX

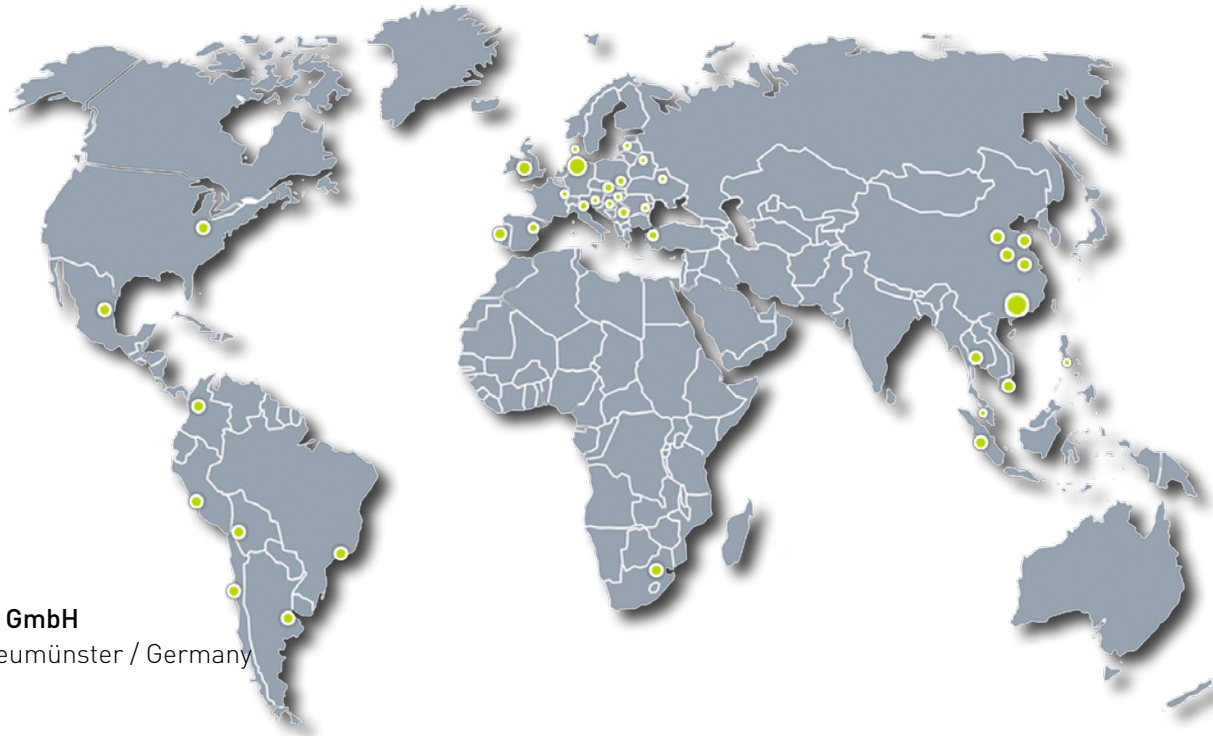
BLUM
focus on productivity



Workpiece measuring by CMM



PRIMINER



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