

# PRIMINER

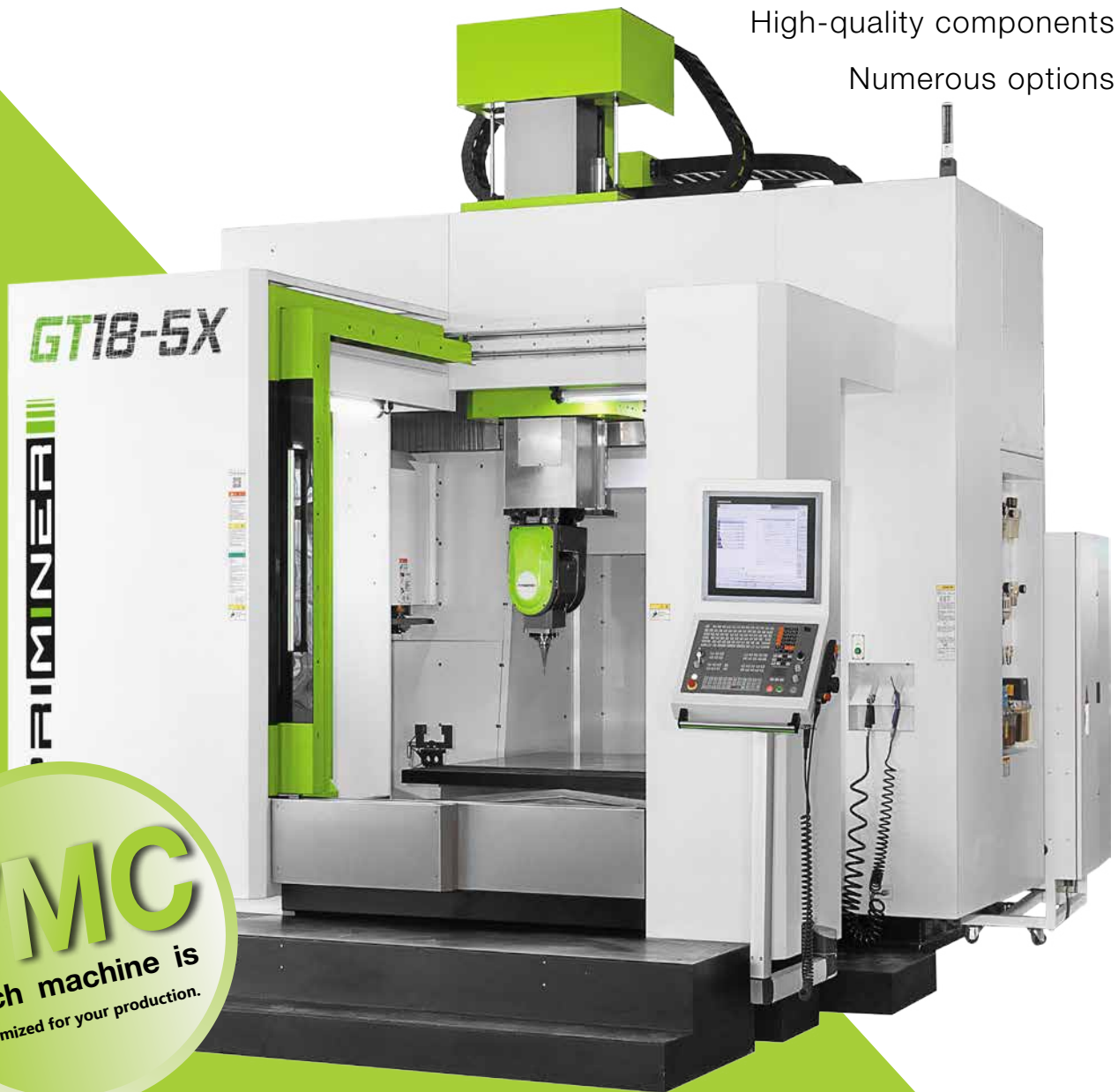
## VERTICAL MACHINING CENTERS

PRECISE · DYNAMIC · RELIABLE

Top price/performance ratio

High-quality components

Numerous options



**VMC**  
Each machine is  
customized for your production.





# PRIMINER

## The Company



Jack Chen | CEO Priminer Company Group  
Benjamin Kaehlcke | General Manager, Germany





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## We stay up to date

“Only employees which are regular trained and involved in the development of our production process can understand the requirements of present and future as a whole.” According to Mr. Kaehlcke GF of Priminer Germany. “This is the case for our German and China team members. We have an intensive exchange program between our two major spots, additional to our permanent training course at our global leading sub-suppliers.”





# HOW WE DO IT

Consequent QC-management according to international norms, a highly motivated team of specialists, advantages of serial production and reliable top sub-suppliers with global leading positions are columns of our success. An open and result-oriented company culture through all levels is the basement for a permanent high level of our reliability and products.





## Our Team

International, competent, highly motivated and always open for new ideas... This is our team. The cooperate culture is a mirror of these attitudes. Our management has got a "open ear" from bottom to top and we are and we practise flat hierarchy.

# PRIMIN



PRIMINER



PRIMER Global TEAM

The background of the entire page is a photograph of a CNC machine. In the upper left, a white sign with black and red text shows a 3D coordinate system with axes labeled +X, -X, +Y, -Y, +Z, and -Z. A green emergency stop button is visible on the right side of the machine. The main title 'OUR KNOW-HOW FOR YOUR BUSINESS' is centered in a bright green banner across the middle of the image.

# OUR KNOW-HOW FOR YOUR BUSINESS

This section features a dark green, semi-transparent banner with a diagonal cut on the right side. The title 'Technology & Know-how' is written in white. Below the title, a paragraph of text is displayed in a light green color. The background of this section is a close-up of a grey metal machine component with a blue and orange flexible cable connector.

## Technology & Know-how

We think and plan the future already now. A growing in-house R&D department with experienced engineers which develop our machine concepts are our warrantor that we are prepared for the upcoming trends of the machine tools business. We are listening to the market. Flexibility in the matter of CNC controllers is for us a must, here we only go with the market leaders. Without any compromise!





# Double Column Center V1613HS



- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensures the highest accuracy and durability
- Pre-tension on all axes minimizes thermal distortion
- Roller type linear guideway, which offers super high rigidity and loading capacity

## Standard configuration:

- ✓ Fully enclosed splash guard
- ✓ Air-conditioned electrical cabinet
- ✓ Rigid tapping
- ✓ Chip conveyor (two screw type and one chain type)
- ✓ Ethernet, CF card and USB interface
- ✓ Automatic lubrication system
- ✓ Coolant system
- ✓ Spindle oil cooler
- ✓ LED working lamp
- ✓ End of program light
- ✓ Electronic handwheel (MPG)
- ✓ Tool box
- ✓ Leveling bolts and blots
- ✓ Coolant gun
- ✓ Air gun
- ✓ User Manual

## Optional configuration:

- Direct drive spindle 15000 rpm
- Built-in spindle 20000 rpm, HSK A63
- 32 pockets arm tool changer
- CTS coolant through spindle +ATS
- Linear scales
- Oil skimmer

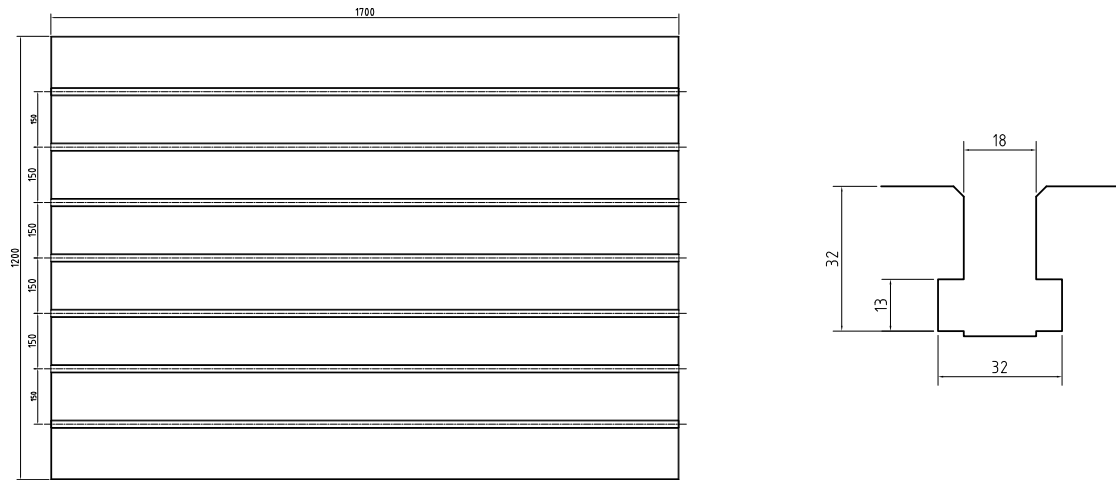
Technical Specifications		V1613HS
<b>Table</b>		
Table size	mm	1700 x 1200
T-slot (width x number x distance)	mm	18 x 7 x 150
Max. load	kg	3000
<b>Travel</b>		
X/Y/Z Travel	mm	1600 / 1300 / 600
Spindle nose to table	mm	200 - 800
Distance between columns	mm	1380
<b>Spindle</b>		
Spindle taper	-	SK40 / BT40 / CAT40
Spindle motor power/ torque	-	9/22kW; 63/135Nm(SIEMENS) 11/18.5kW; 52.5/118Nm(FANUC)
Spindle speed	rpm	12000
Spindle transmission	-	direct drive
<b>Feed</b>		
Rapid feed X/Y/Z	m/min	20
Cutting speed	mm/min	1-12000

Technical Specifications		V1613HS
<b>Tool changer</b>		
Number of tools	pcs	32 (option)
Max. tool length	mm	300
Max. tool diameter	mm	Φ78 / Φ125
Max. tool weight	kg	8
<b>Accuracy (VDI 3441 Full travel)</b>		
Positioning accuracy (without linear scales)	mm	0.012
Positioning repeatability (without linear scales)	mm	0.010
Positioning accuracy (with linear scales)	mm	0.010
Positioning repeatability (with linear scales)	mm	0.008
<b>Dimensions &amp; Weight</b>		
Dimensions	mm	4890×4110×3650
Weight	kg	16000

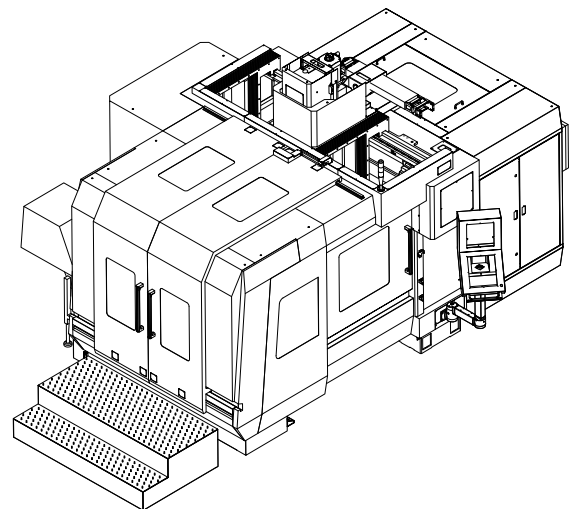
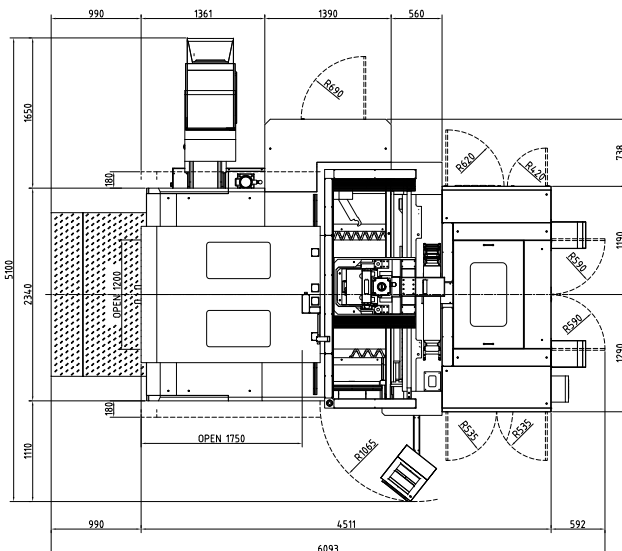
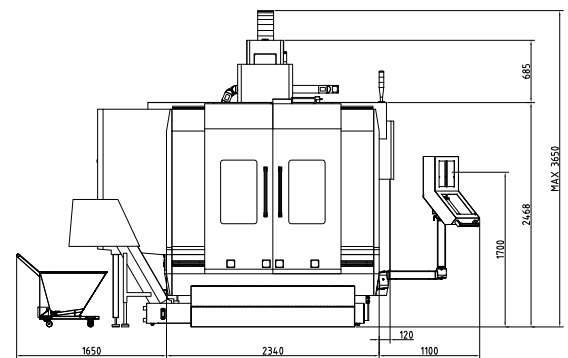
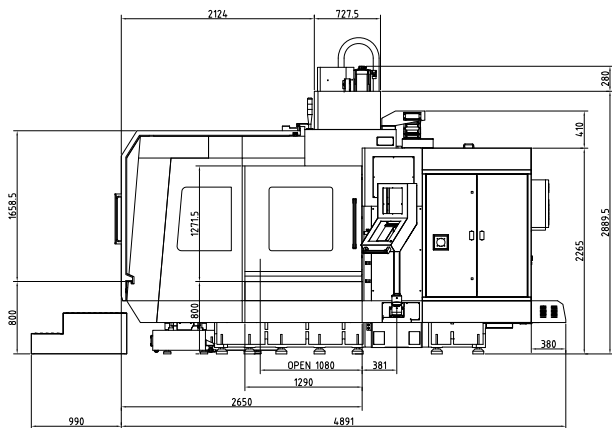
\* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.



## Worktable

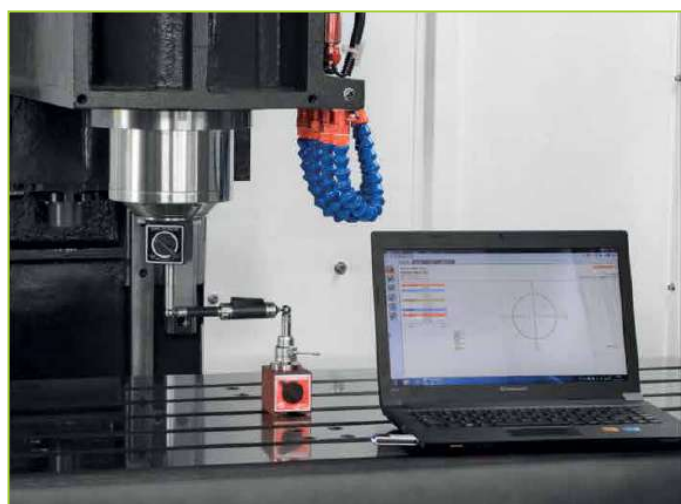


## Dimensions (V1613HS)

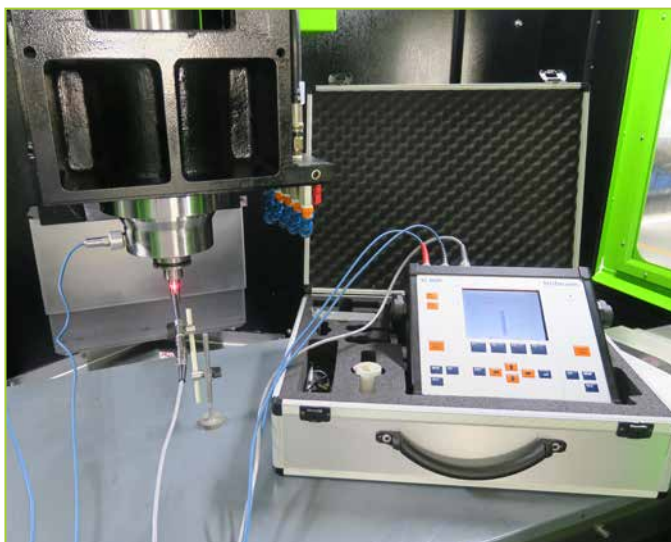


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### Measurements control during the production



### Spindle unit final unbalancing inspection



### Hand scraping







## Swiss Rotary Table Technology

### High speed

- ✓ Up to 210rpm
- ✓ up to 0.21 sec / 90°

### More space

- ✓ Extended travel in Z- and X-direction

### Heavy duty

- ✓ High spindle load, heavy-duty bearing

### High torque

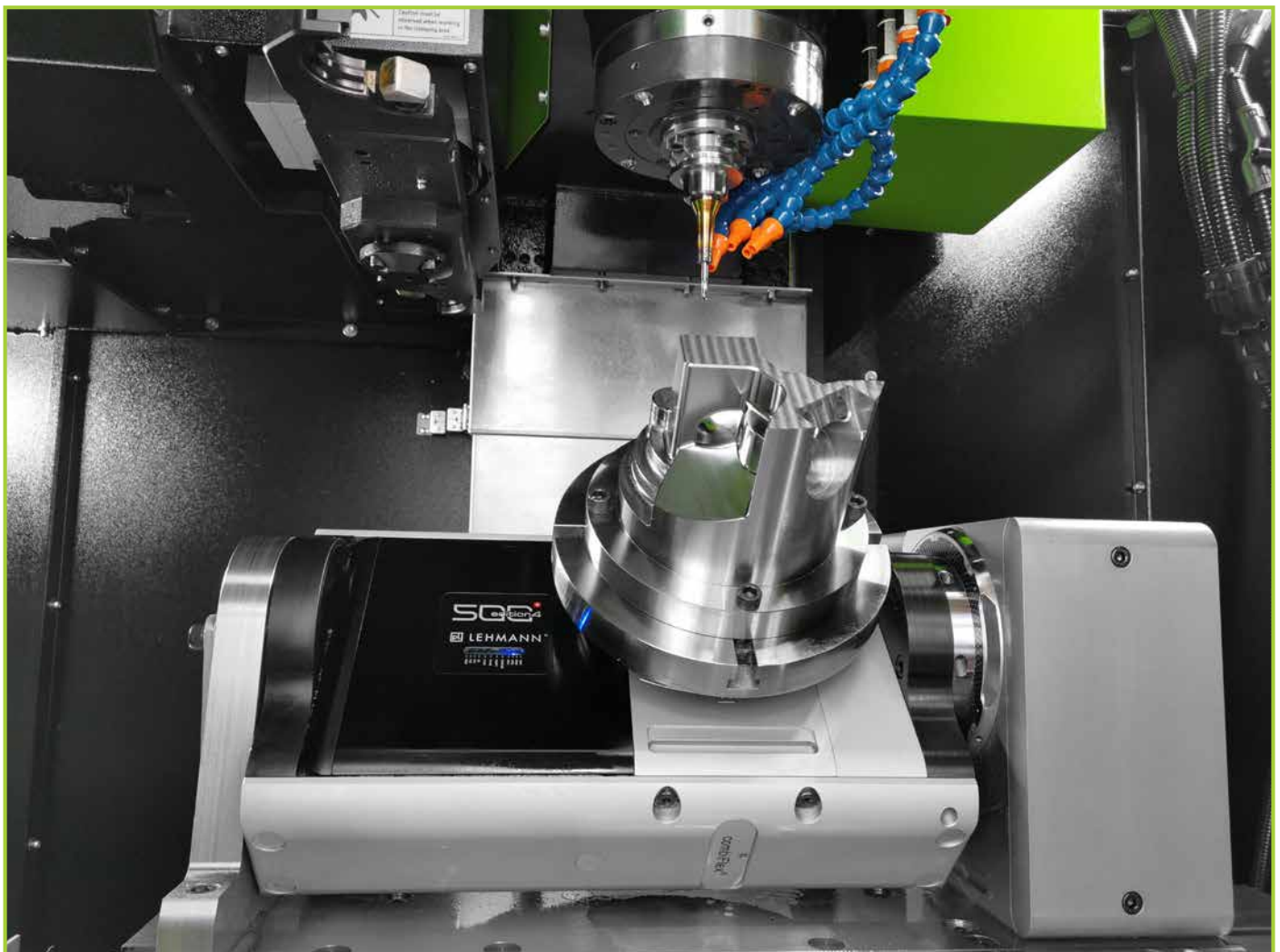
- ✓ Feed torque up to 850 Nm

### Adaptability

- ✓ Multifunctional spindle HSK

### Precision

- ✓ On the workpiece, as precise as 2µm / 100 mm



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SIEMENS



HEIDENHAIN

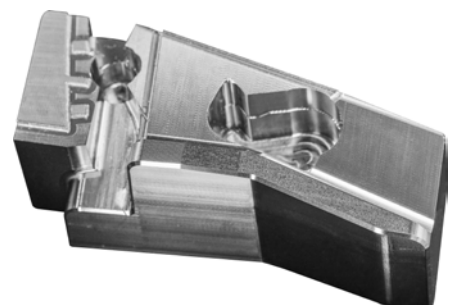
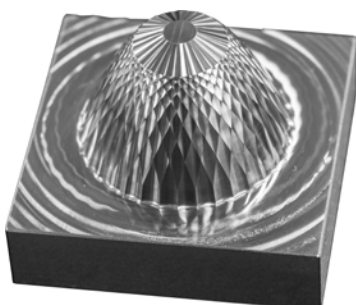
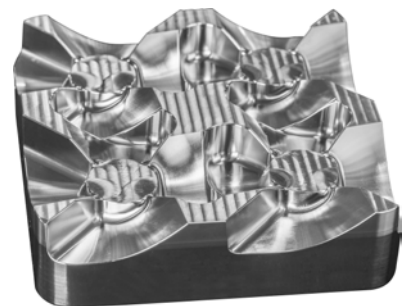
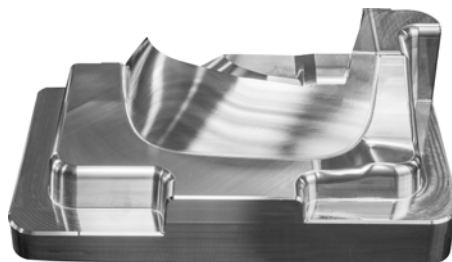
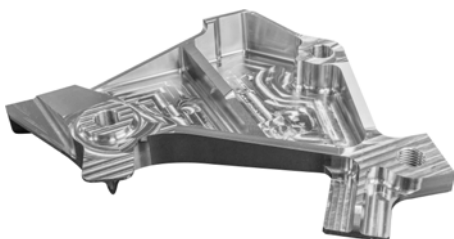
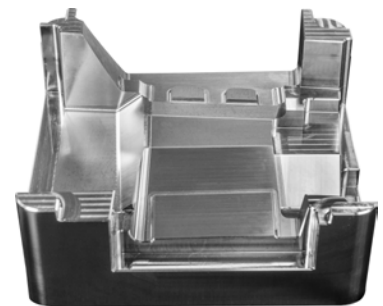
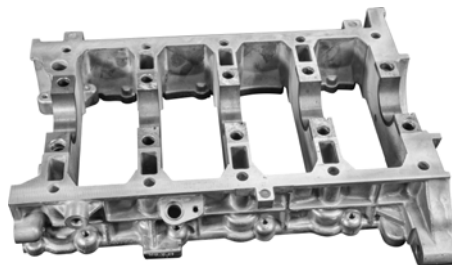
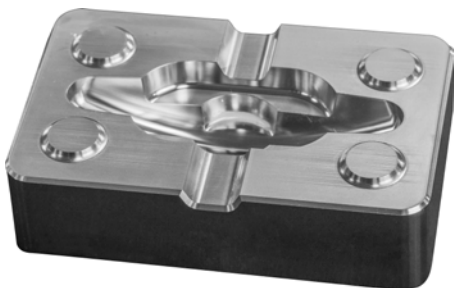
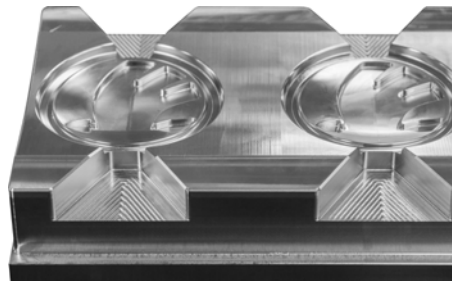


FANUC



FAGOR







**hyperMILL**  
**SolidCAM**  
 The Leaders in Integrated CAM



**DIJET NS TOOL**  
**GÜHRING**



**LEHMANN**



**MST**



**SCHUNK**



**Blaser.**  
 SWISSLUBE



**REGO-FIX**

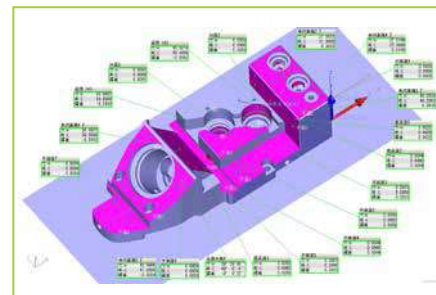
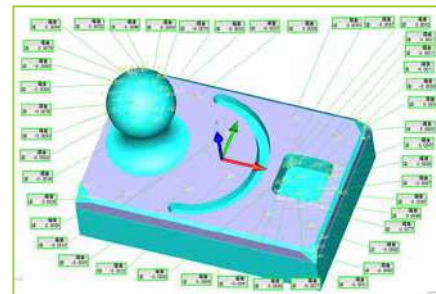
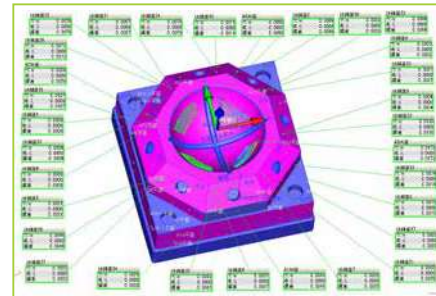
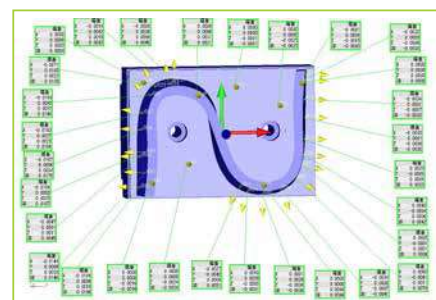


**BLUM**  
 focus on productivity

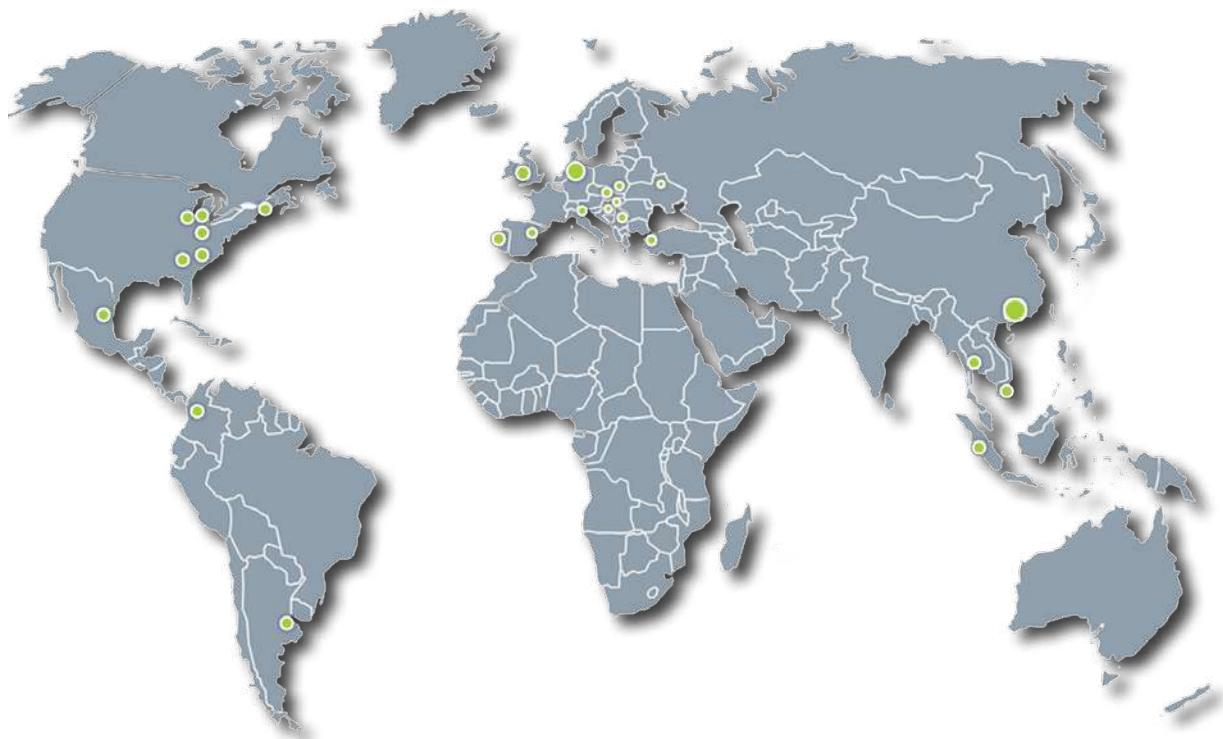




Workpiece measuring by CMM



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