

CHIRON baseline

Proven top-quality technology.
Available at short notice.

chiron

www.chiron-group.com

A head start is preprogrammed – the strong line

CHIRON baseline

For many applications in different branches:

Aerospace

Automotive

Mechanical Engineering

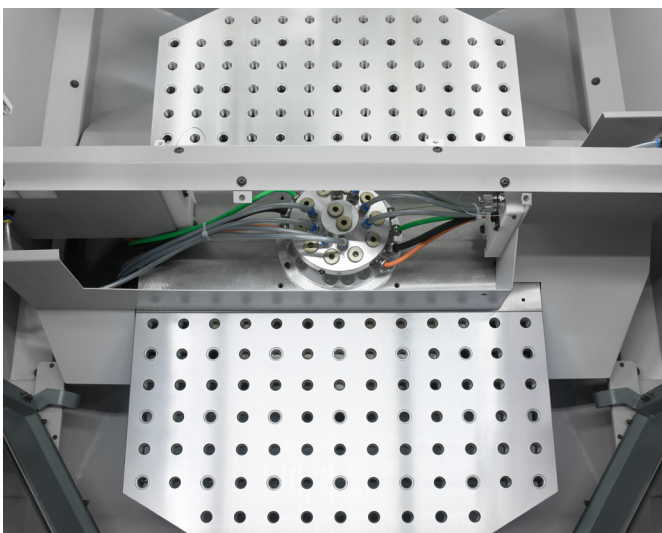
Medical Technology

Precision Technology

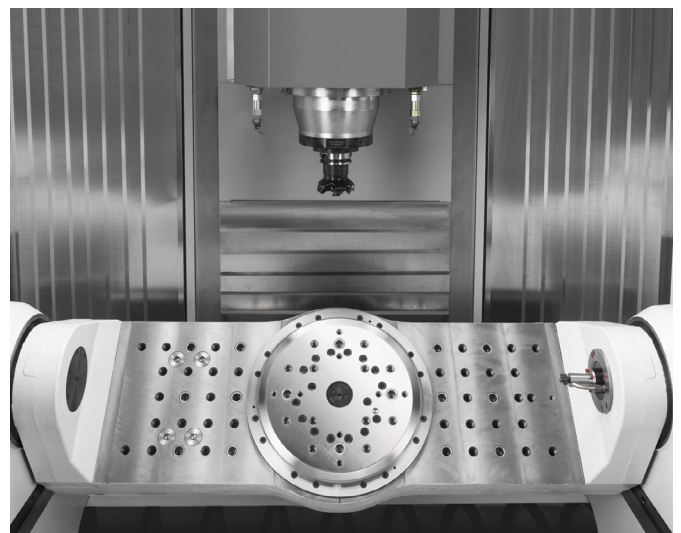
Tool Manufacturing

Your advantages

- Short-term availability
- Vertical moving column principle
- Compact floor space
- High stiffness and thermal stability
- Highest precision in positioning and simultaneous operation
- Dynamic direct drives and precision guides
- Ergonomic operating and loading concept
- Service-friendly accessibility to all aggregates
- Low maintenance and durable
- DataLine available



The workpiece changing device with central distributor for energy supply offers a lot of space for clamping devices. Loading and unloading in parallel to the machining process reduces non-productive time enormously.



The additional space next to the face plate of the 2-axis swivel rotary table can be used for further clamping devices. This enables complete machining with reduced non-productive times.

The preconfigured machining centers at a glance

08 15

Production can be so fast and cost-effective

In the baseline product line, our engineers have combined typical CHIRON perfection with the most proven top technologies for you. The results are optimally configured machine tools which can be quickly delivered thanks to their standardized design. Each model is a complete and cost-effective machining center, which will fulfil your wishes regarding production quickly and efficiently.

MILL



CHIRON baseline

FZ 08 S five axis baseline
The machining center FZ 08 S five axis baseline is among the most versatile machine tool in the compact class. This high-performance center, which can be set up quickly and are easy to operate, very stable, highly dynamic and low-maintenance.

FZ 15 S five axis baseline
The FZ 15 S five axis baseline belongs to the speed, the compact design and flexibility of use to the best machining centers in their class.

FZ 15 W baseline – basket tool changer
The FZ 15 W baseline has the fastest tool changer in the world, which has been proven for years. Speed, stability and reliability paired with a compact design, characterize this machining center.

FZ 15 W baseline – chain tool changer
The FZ 15 W baseline with chain tool changer extends the advantages of the FZ 15 W baseline with a high tool capacity. This offers the flexibility to machine complex workpieces or to store tools for several workpieces in the tool changer.

MILL 800 five axis baseline
The MILL 800 five axis baseline offers the best conditions for highly productive machining and precise machining results. In addition to the high milling performance, the strengths of this machine lie in its stability and reliability.

MILL 2000 baseline
The MILL 2000 baseline, with its travel in the X-axis, is ideally suited for large components or multiple clamping positions. High stability and precision also characterize strong milling performance.

MILL 2000 baseline – swivel head
The MILL 2000 baseline paired with a swivel head increases freedom and application possibilities of the machining center. Combined with the use on the rotary table package, large workpieces can be processed in 5 axes.

Technology

five axis with BC kinematic

five axis with AC kinematic

three /four axis, basket tool changer, workpiece changer

three /four axis, chain tool changer, workpiece changer

five axis with AC kinematic

three /four axis, chain changer, long bed

four /five axis, chain changer, long bed

Process advantages

Travel X – Y – Z max.	450 – 270 – 310 mm
Power max.	7.4 kW
Spindle speed max.	15,000 rpm
Chip-to-chip time	2.2 s
Rapid feed max.	60 m/min
Tool diameter max.	100 mm
Number of tools max.	40
Tool taper	HSK-A40
Control	FANUC 31i-B5 Plus

730 – 400 – 360 mm
33.8 kW (10 % ED)
15,000 rpm
2.4 s
75 m/min
78 mm
48
HSK-A63
Siemens 840D sl

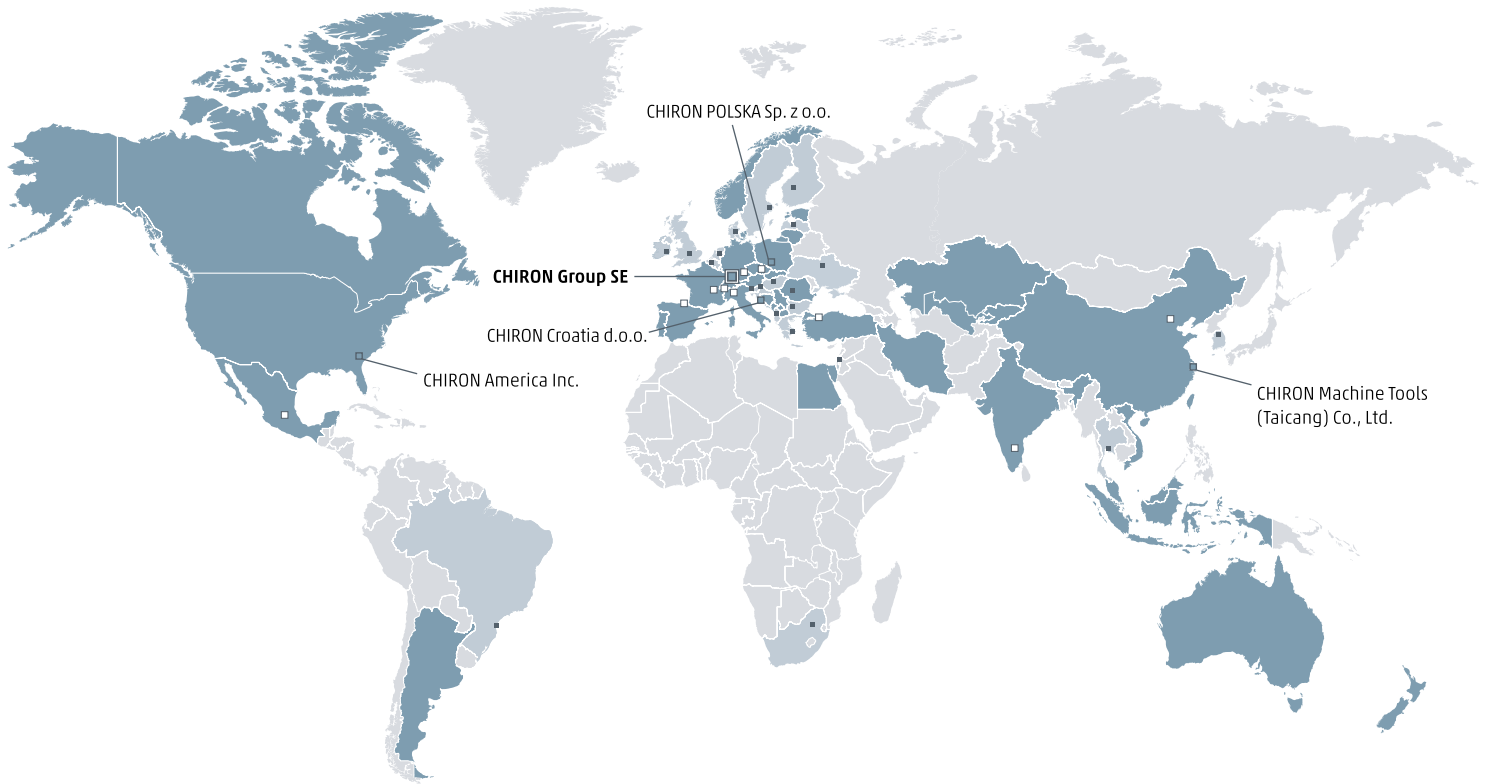
550 – 400 – 425 mm
23.3 kW (10 % ED)
10,500 rpm
2.1 s
40 m/min
175 mm
20
SK-40 / HSK-A63
Siemens 840D sl

550 – 400 – 360 mm
23.3 kW (10 % ED)
12,000 rpm
2.4 s
75 m/min
140 mm
48
HSK-A63
Siemens 840 D sl

800 – 685 – 630 mm
31.2 kW (10 % ED)
12,000 rpm
3.6 s
60 m/min
160 mm
40
SK-40 / HSK-A63
Siemens 840D sl / optional Shopmill

2,000 – 895 – 630 mm
31.2 kW (10 % ED)
12,000 rpm
4.0 s
60 m/min
160 mm
40
SK-40 / HSK-A63
Siemens 840 D sl

2,000 – 895 – 715 mm
34.0 kW (10 % ED)
12,000 rpm
4.0 s
60 m/min
160 mm
40
HSK-A63
Siemens 840 D sl



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Spaichingen
CHINA ■ Taicang

USA ■ Charlotte, NC
CROATIA ■ Zadar
POLAND ■ Paniów

□ Sales and Services

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FRANCE	Lyon	SPAIN	Itziar-Deba
GERMANY	Schlierbach	INDIA	Bangalore
SWITZERLAND	Iséables, VS	TURKEY	Istanbul

■ Partner

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The CHIRON Group, headquartered in Tuttlingen, Germany is a global company specializing in CNC vertical milling and mill-turn machining centers, as well as turnkey and automation solutions. Comprehensive services, digital solutions and products for additive manufacturing complete the portfolio. The Group has a global presence, with production and development sites, sales and service subsidiaries, and sales agencies worldwide. Key customer sectors are the automotive, mechanical engineering, medicine and precision engineering, aerospace industries, as well as tool manufacturing.

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