

Seconds Ahead MILL SERIES

Universal precision machining centres as well for combined milling and turning machining.

The CHIRON MILL series offers optimal conditions for highly productive cutting and accurate machining capabilities. One of the machines many unique strengths is its high milling capacity, while offering stability, reliability and little maintenance. CHIRON's wide range of versatile options allow us to customize the machines to adapt to the configuration to meet your application needs.

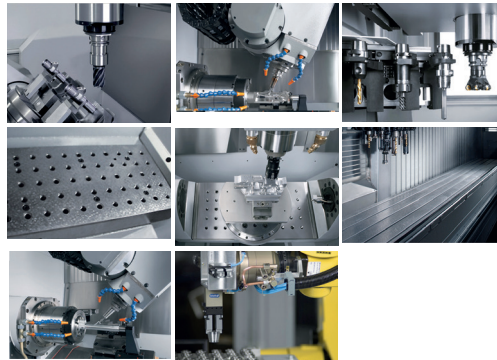
Your advantage: Large work-pieces, high milling capacity and power.



Machine variants:

			MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
FZ	CHAIN	L	•	•	•	•	•	•
S-HEAD	CHAIN	L	•	•	•	•	•	•
FZ	CHAIN	FX	•	•	•	•	•	—
S-HEAD	CHAIN	MT	•	—	•	—	—	—

Table options
Automatic tool changer
Spindles & spindle systems



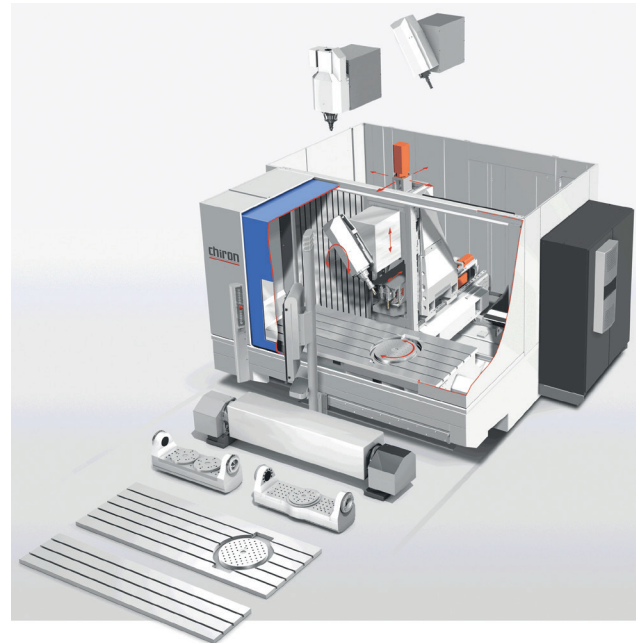
Technology information:

» Maximum path [X–Y–Z]	8,000-915-715 mm	» Max. milling capacity in St 60	700 cm ³ / min
» Maximum electrical power	75 kW (40% ED)	» Max. number of tools	163
» Maximum spindle speed	20.000 rpm	» Tool taper	SK 40 / HSK 63
» Maximum torque	280 Nm	» Maximum tool weight	8 kg
» Chip-to-chip time starting from	2.9 s	» Maximum tool diameter	160 mm
» Maximum axis acceleration	0,5 g	Maximum tool length	370 mm
» Rapid feed as fast as	75 m/min		

Continued »

Modular concept

- » Vertical traveling column principle
- » Long travel with compact external machine dimensions
- » Sturdy machine bed with integrated coolant and chip removal
- » High rigidity and thermal stability
- » Motor spindles with water cooling
- » Precision glass scales on all axes
- » Dynamic direct drives and precision guides
- » Robust CHIRON rotary axes
- » Fully enclosed work area, stainless steel covers
- » Smooth, steep walls for ideal chip flow
- » Ergonomic operating and loading concept
- » Service friendly access to all auxiliary units
- » Foundation-free set-up
- » High durability, low maintenance



Options:

- » High Speed package
- » Technology package "Milling & Turning from bars"
- » Various index table types
- » CHIRON Laser Control
- » Different 3D tracing systems
- » Work area mist collection
- » Connection for central mist collection
- » Oil package
- » Machining with minimal lubrication
- » Tool measurement and management
- » Pneumatic & Hydraulic for clamping devices
- » Automatic doors
- » Different Automation solutions (AUTOMATION UNO, AUTOMATION DUO, MPC, variocell automation)