

## Seconds Ahead 18 SERIES

**chiron**

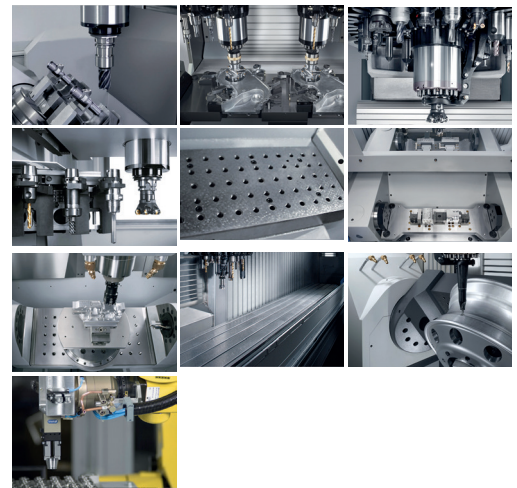
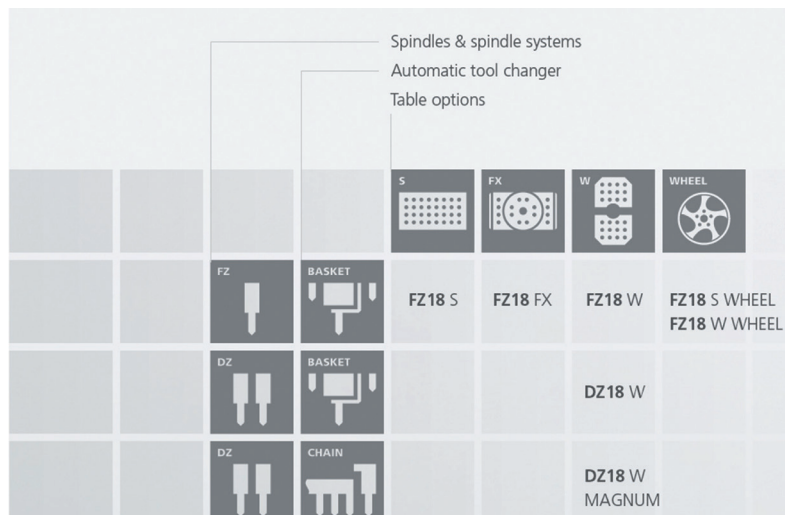
**Powerful, single and twin spindle machining centres for high-speed machining and heavy cutting.**

The CHIRON 18 series machining centers are among the best machine tools of their class worldwide in terms of cutting capacity, unparalleled high working speed, precision and reliability. They have enormous power reserves for heavy milling cuts. A variety of configurations and equipment options provide the ideal solution for any job. 18 series machine models are available with one or two spindles with either the lightning-fast basket tool changer, or with a pick-up tool chain magazine. Based on its modular construction, every basic 18 machine can be arranged to provide a perfect individual solution.

**Your advantage:** High precision, cutting capacity and availability with the lowest cost per part.



### Machine variants:



### Technology information:

- |                     |                      |                     |                     |
|---------------------|----------------------|---------------------|---------------------|
| » Travel X-Y-Z      | up to 830-570-630 mm | » Rapid feed speeds | up to 60 m/min      |
| » Spindle power     | up to 31,5 kW        | » Chip-to-chip time | approx. 1.9 s       |
| » Spindle speed     | up to 20.000 rpm     | » Number of tools   | max. 195            |
| » Axis acceleration | up to 1 g            | » Tool taper        | ISO/CAT 40 / HSK 63 |

### Options:

- |                                     |  |  |
|-------------------------------------|--|--|
| » High Speed package                | » Tool breakage monitoring               | » Pneumatic & Hydraulic for clamping devices   |
| » Workpiece gripper in main spindle | » Work area mist collection              | » Central lubrication  |
| » Various index table types         | » Connection for central mist collection | » Different Automation solutions (AUTOMATION UNO, AUTOMATION DUO, MPC, variocell automation) |
| » CHIRON Laser Control              | » Oil package                            |  |
| » Different 3D tracing systems      | » Machining with minimal lubrication     |  |
| » Direct path measuring system      | » Automatic doors                        |  |