



22 Series

Productive machining centers for
highly precise machining of large components

chiron

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The new 22 Series – highest precision for big components

Productive manufacturing with highest precision

The development of the CHIRON DZ 22 was determined by your requirements: High precision, dynamics and the best surface quality for increasingly complex workpieces. Intensive dialog within multiple market segments has resulted in a fundamentally new machining platform with mobile gantry design. The machining centres are available as double-spindle machines and are characterised by:

Reliably high productivity

Simple operation

Highest precision and processing quality

High stability


Low space requirement

High dynamics

Fast set-up

Easy maintenance

Every basic machine of 22 Series can be expanded to a perfect individual solution. Your advantage: Outstanding productivity, highest accuracy and maximum flexibility are guaranteed from immediately no more objections – even for large components.



Operating side of the DZ 22 W five axis with machine control cabinet



Intuitive operation with TouchLine



DZ 22 W five axis in mobile gantry design



Side view with additional working area access and tool loading gate

Characteristics

- Double-spindle, highly productive machining of large components
- High precision due to rigid machine bed in gantry design
- High dynamics due to high axis acceleration and fast rapid feeds
- Many tools for extensive machining operations
- Tool exchange during machining for maximum output
- Workpiece changing device for loading and unloading during machining
- Intuitive operation with TouchLine
- Simple automation by robot or gantry
- Service-friendly accessibility to all components

Process advantages

- | | |
|-----------------------------------|------------------------------|
| - Travel X-Y-Z max. | 620-650-600 mm |
| - Power max. | 61 kW |
| - Spindle distance DZ | 600 mm |
| - Spindle speed max. | 20.000 rpm |
| - Torque max. | 200 Nm |
| - Chip-to-chip time from | 3.1 s |
| - Axis acceleration X-Y-Z max. | 10-10-17 m/s ² |
| - Rapid feed X-Y-Z max. | 75-75-75 m/min |
| - Number of tools max. | 2 x 77 |
| - Tool taper | HSK-A63 / HSK-T63 / HSK-A100 |
| - Workpiece weight max. | 600 kg |
| - Workpiece diameter max. | 599 mm |
| - Workpiece height max. | 340 mm |
| - Automatic workpiece change from | 3.5 s |



Brands of the CHIRON Group

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STAMA

CMS

FACTORY⁵

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The CHIRON Group is a global company specializing in CNC vertical milling and mill-turn machining centers, as well as turnkey manufacturing solutions. The Group has a global presence, with production and development sites, sales and service subsidiaries, and sales agencies worldwide.

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