

S I N C E
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 **monzesi**



MONZA
C E N T E R L E S S

Centerless Grinders Line



F O S T E R
T H E G R O W T H

www.monzesi.com

Monza Line 20

CENTURY EDITION™



Strength from Evolution

The **Monza** models belonging to the **Line 20 - CENTURY EDITION™** - have been redesigned from the ground up to achieve a **more ergonomic design**, an easier access to the machine during maintenance, faster times of change over and setup, while creating a **strikingly innovative and elegant design**.



The INFEED slide system has been modified to arrive closer to the Grinding Wheel Housing. The design improvement offers added strength, as well as full support under the workrest when grinding very small diameters and also when the grinding wheel is running at its smallest useable diameter.



The dressing process, in the versions where the translation is not controlled by full CNC, is controlled by an electric motor.



All the machine axis motors use DIGITAL DRIVES (transducers) including the motor for the rotation of the regulating wheel. The Grinding wheel motor is available with Constantant Peripheral (Surface) Speed (CSS), as well as Automatic Wheel Balancing (AWB).



The FULL CNC Dressing versions have the option of designing and controlling complex wheel profiles directly on the machine using our latest CAD/CAM graphical software.



All Monzesi grinders are provided with customized, intuitive software which is simple to program and manage via our HMI display, touch screen control technology, and process monitoring pages. Our software, combined with our mechanical upgrades can for many applications replace the requirement to have an expert level operator at the machine. This combination of new technology has the ability to simplify and in some cases eliminate the need for high level operator analysis and subsequent adjustments to the machine.



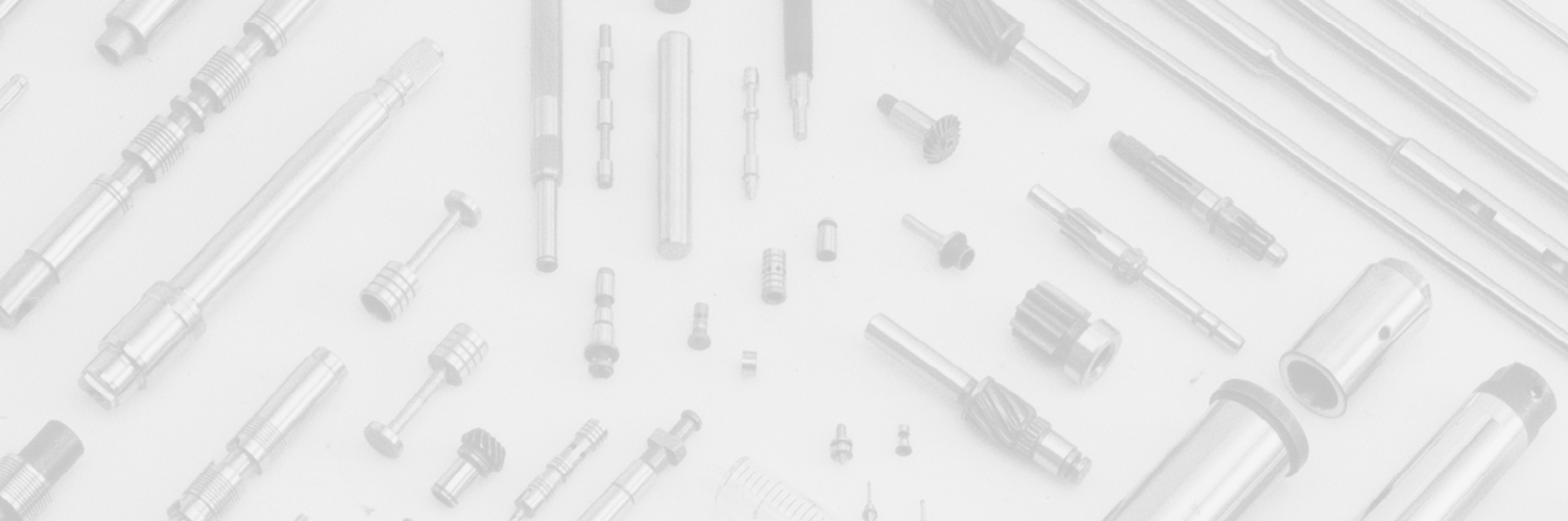
Optional optical scales to control the positioning of the slides with reference to the machine basement.

Monza Line 20

CLASSIC EDITION™

The **Monza** models of **Line 20** are built according to the main features which have been distinguishing the Monzesi centerless grinding machines for almost a century: **strength, ergonomics and reliability**.





Machine **sizes** and **versions**

MONZA
310

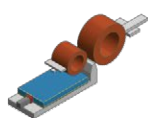
MONZA
420

MONZA
520/250

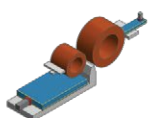
MONZA
620/350

MONZA
620/500

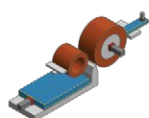
Grinding diameter range	up to 50 mm	up to 100 mm	up to 150 mm	up to 200 mm	up to 200 mm
Maximum infeed length	100 mm	200 mm	250 mm	355 mm	500 mm
Grinding wheel size (ODxWxBORE)	305x102x127 mm	406x204x152 mm	508x250x254 mm	610x355x305 mm	610x500x305 mm
Grinding wheel speed (standard)	25 - 45 m/sec	25 - 50 m/sec	25 - 50 m/sec	25 - 50 m/sec	25 - 50 m/sec
Grinding wheel motor	5,5 kW	11 kW	22 kW	37/45 kW	45 kW
Regulating wheel size (ODxWxBORE)	204x102x80 mm	254x204x115 mm	305x250x127 mm	355x355x140 mm	355x500x140 mm
Regulating wheel variable speed	5 ÷ 320 rpm	5 ÷ 285 rpm	5 ÷ 240 rpm	5 ÷ 260 rpm	5 ÷ 260 rpm
Regulating wheel brushless motor	8 Nm	8 Nm	8 Nm	18 Nm	18 Nm



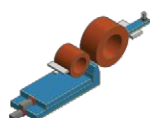
M1



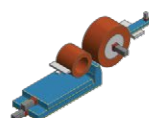
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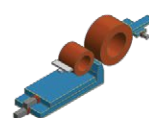
M2/O



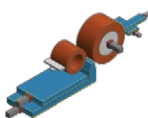
M3



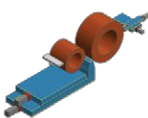
M3/O



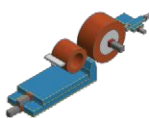
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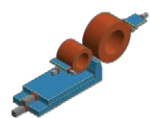
M4/O



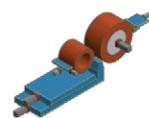
M4 DD



M4 DD/O



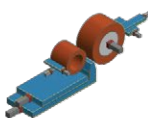
M5 DR



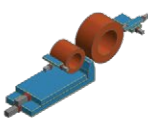
M5 DR/O



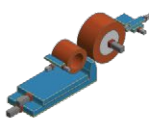
M6



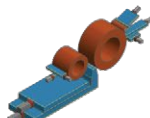
M6/O



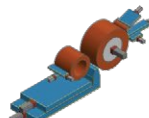
M6 DD



M6 DD/O



M7 DR



M7 DR/O



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SINCE
1918

