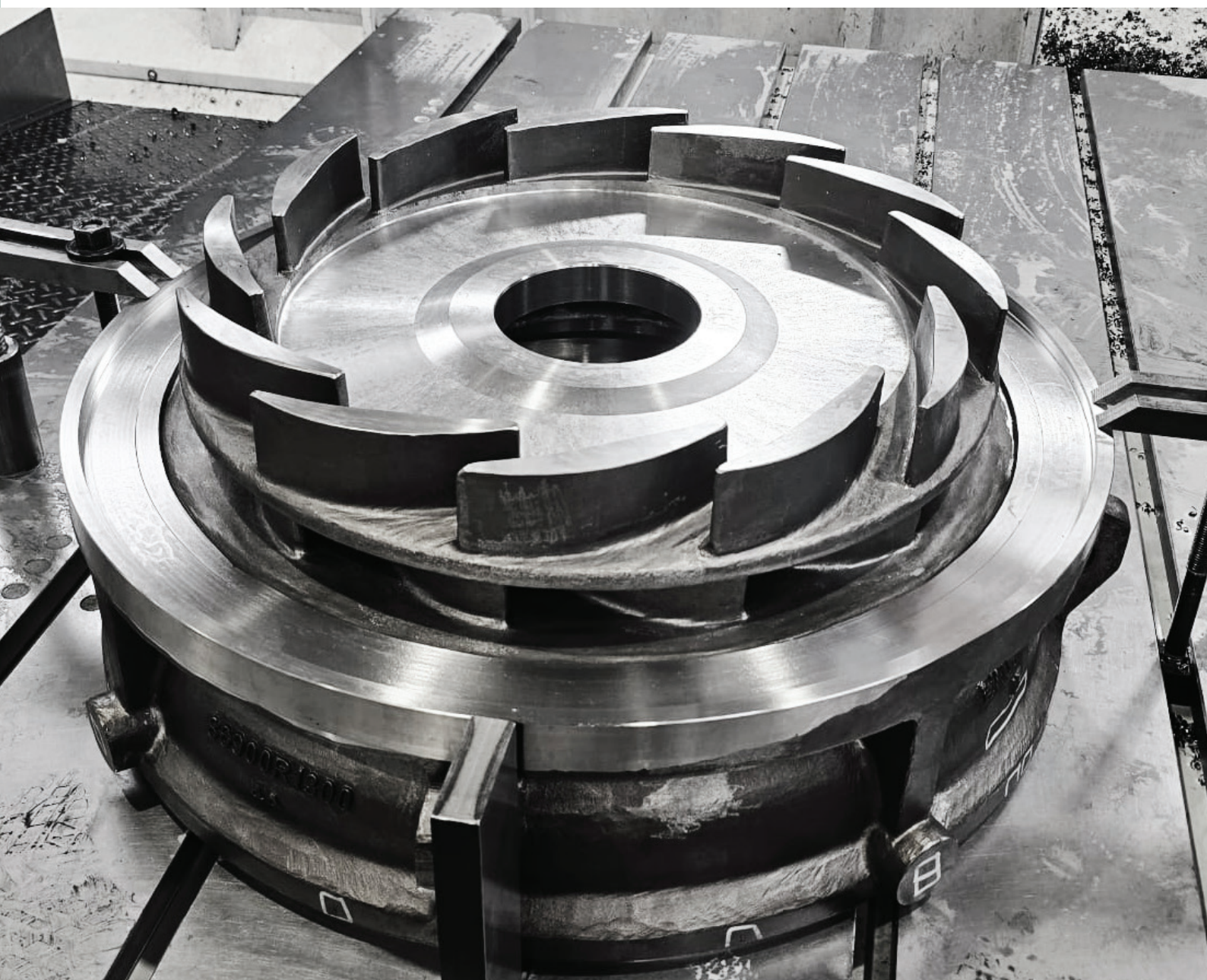


Mechanical turning workshop and milling since 1972



Mechanical turning workshop and milling since 1972

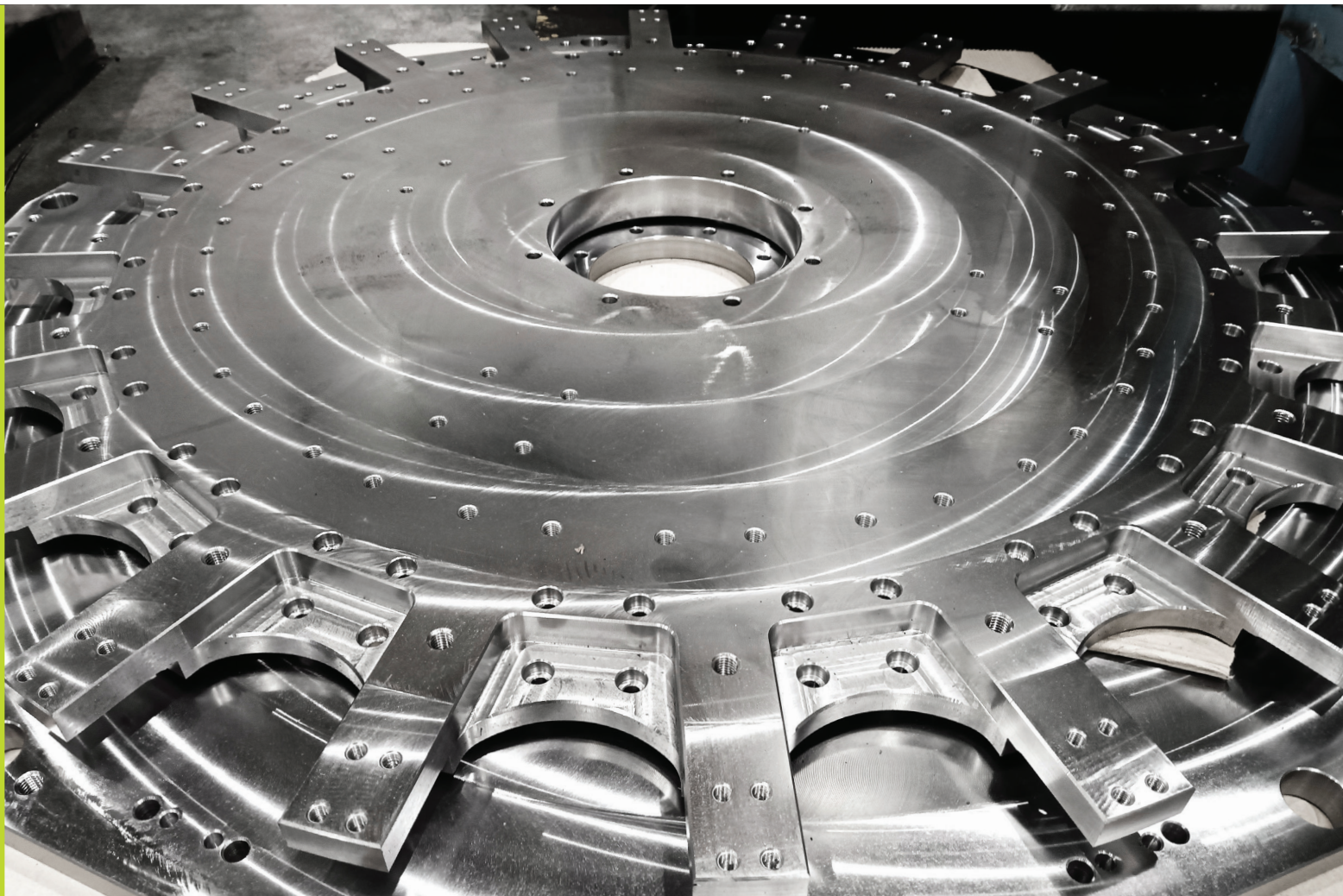
The BERTOLASO SRL precision mechanical workshop, thanks to the experience acquired in the field of industrial precision mechanics, is able to guarantee production capacity and quality of the finished product; It offers mechanical processing carried out to perfection and is equipped with advanced technological equipment for professional turning and milling thanks to the use of modern technologies and specialized staff. The mechanical workshop is now able to satisfy all needs related to precision mechanics, even for complex mechanical processes, guaranteeing maximum availability and customer satisfaction within the established delivery times.



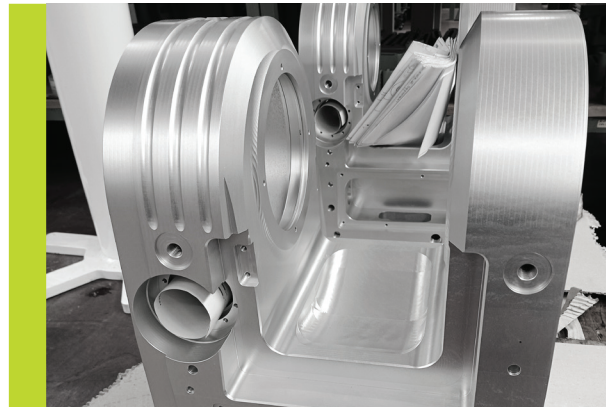
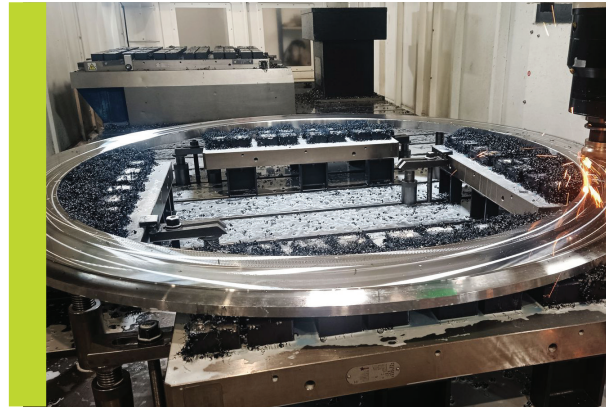
➤ **MULTITASKING TURNING
CONTINUOUS 5-AXIS MACHINING**

LOKUMA
OPEN POSSIBILITIES





Precision machining for every need



All technological machines

➤ HORIZONTAL TURNING

- CNC horizontal lathe max. rotation 2000*5000 mm with "c" axis and motorized tools
- CNC horizontal lathe max. rotation 1350*4000 mm (bar passage max. 160 mm)
- CNC horizontal lathe max. rotation 1000*3000 mm (bar passage max. 130 mm)
- CNC horizontal lathe and 1000*5500 4 bezel guides one cycle and 350 motorized
- Horizontal cnc lathe turning diameter 500*1200 mm motorized with "c" axis Horizontal cnc lathe turning diameter 900*2000 mm with motorized tools
- CNC horizontal lathe turning diameter 800*600 / 500*600 mm

➤ VERTICAL TURNING

- CNC vertical lathe or max. turning 1400*1100 mm cnc with "c" axis and motorized tools (equipped also, for work. of hardness up to 65 hrc hardness)
- CNC vertical lathe and max. 1000 mm with driven tools and "c" axis
- CNC vertical lathe and max. 800 mm with tools motorized and "c" axis
- Vertical lathe - Max turning Ø 900 mm, max turning height 800 mm, with live tooling and C-axis
- Vertical lathe - Max turning Ø 1000 mm, max turning height 900 mm, with live tooling and C-axis
- Vertical lathe - Max turning Ø 600 mm, max turning height 600 mm
- Vertical lathe - Max turning Ø 1200 mm, max turning height 1000 mm
- Vertical lathe - Max turning Ø 550 mm, max turning height 600 mm
- Vertical lathe - Max turning Ø 650 mm, max turning height 750 mm

➤ TURNING MULTITASKING



- Okuma VTM 1200 YB: 5 axis Ø max. 1500 L= 1200 mm
- Okuma multus b400-The twin-spindle multitasking lathe Ø max. 700 L= 1600 mm
- Okuma U4000 5 continuous axes - 2 turrets Ø max 700 L=2000 mm
- Okuma multus B300 twin-spindle multitasking lathe
- Okuma motorized lathe U3000 Ø600 L=1100 mm

➤ QUALITY

- ZEISS CONTURA 2400 Coordinate Measuring Machine (CMM), operating within our metrology department, featuring a measuring range of X 1,200 – Y 2,400 – Z 1,000 mm. This equipment allows for the dimensional inspection of complex mechanical components and long workpieces, ensuring the highest standards of precision, quality, and reliability.
- ZEISS NC850 Measuring Machine

➤ BALANCING

- Cemb or max. balancer 1000, max. weight 500 kg, balancing certificate ISO1940/1

➤ INSTRUMENT CALIBRATION MACHINE

- Tar-al 2000: stroke 2000 mm precision 3 µm
- Tar-al 500: stroke 500 mm precision 3 µm

➤ MILLING CAPABILITIES

- Portal milling machine x5000*y2700*z1500 mm with head changer and rotary table with Renishaw feeler pin for piece control
- FPT mobile column machine x6000*y1250*z2000 mm with 1200x1200 rotary table, automatic head with Renishaw feeler pin for piece control
- FPT mobile column machine x6000*y1250*z2000 mm with roto-translating table 2000x2000 w1500 mm with thousandth head and Renishaw feeler pin for piece
- T-shaped cnc milling machine x4000*y1250*z1600 mm with head automatic – with 4 continuous axis Heidenhain
- 5-axis milling machine x3000*y800*z900 mm rotary table Ø 600 ▪ Renishaw feeler pin for piece control
- 4-axis CNC machining center 1500*650*900 mm (4 continuous axis diam. 600 mm)
- 4-axis CNC machining center 1600*700*900 mm (4 continuous axis diam. 400 mm)
- 3-axis CNC machining center 1050*450*700 mm (4 continuous axis diam. 600 mm)
- FPT STINGER Gantry Milling Machine 1,600 x 1,400 x 800 mm; features 5-axis continuous millesimal positioning for high-precision machining on large, complex components.
- HURCO Gantry Milling Machine 3,200 x 2,500 x 1,000 mm; 18,000 RPM high-speed spindle equipped with optical scales for tight tolerances. Specifically designed for fully machined machine bases and columns (side frames).

➤ MILLING



- Okuma MU6300 V-L: a high-precision 5-axis machining center with continuous motion, featuring multitasking turning and milling capabilities, a pallet changer supporting up to 6 pallets, 180 tools on-machine, and a Renishaw probe for in-machine workpiece measurement and tool inspection.
- Okuma horizontal center MA600H III with tool pallet changer + turning option

➤ EDM

- Continuous 3-axis cnc plunge spark EDM table 600*400*400 mm
- CNC plunge spark EDM table 1700*700*600 mm
- Wire-cut EDM, max cutting h 400 mm

➤ EQUIPMENT

- No. 6 parallel lathes with sizes from 250*1000 up to 1200*5000 mm
- Manual MILLING MACHINE x1000*y400*2500 mm
- Welding area with 3 welding machines with positioner
- No. 6 overhead cranes, max. weight 16 t
- Various measuring instruments up to 2000 mm diameter
- Automatic presetting with profile projector and 500 mm, h= 400 mm
- Bench with thousandth altimeter up to 600 mm



Mechanical turning workshop and milling since 1972

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