



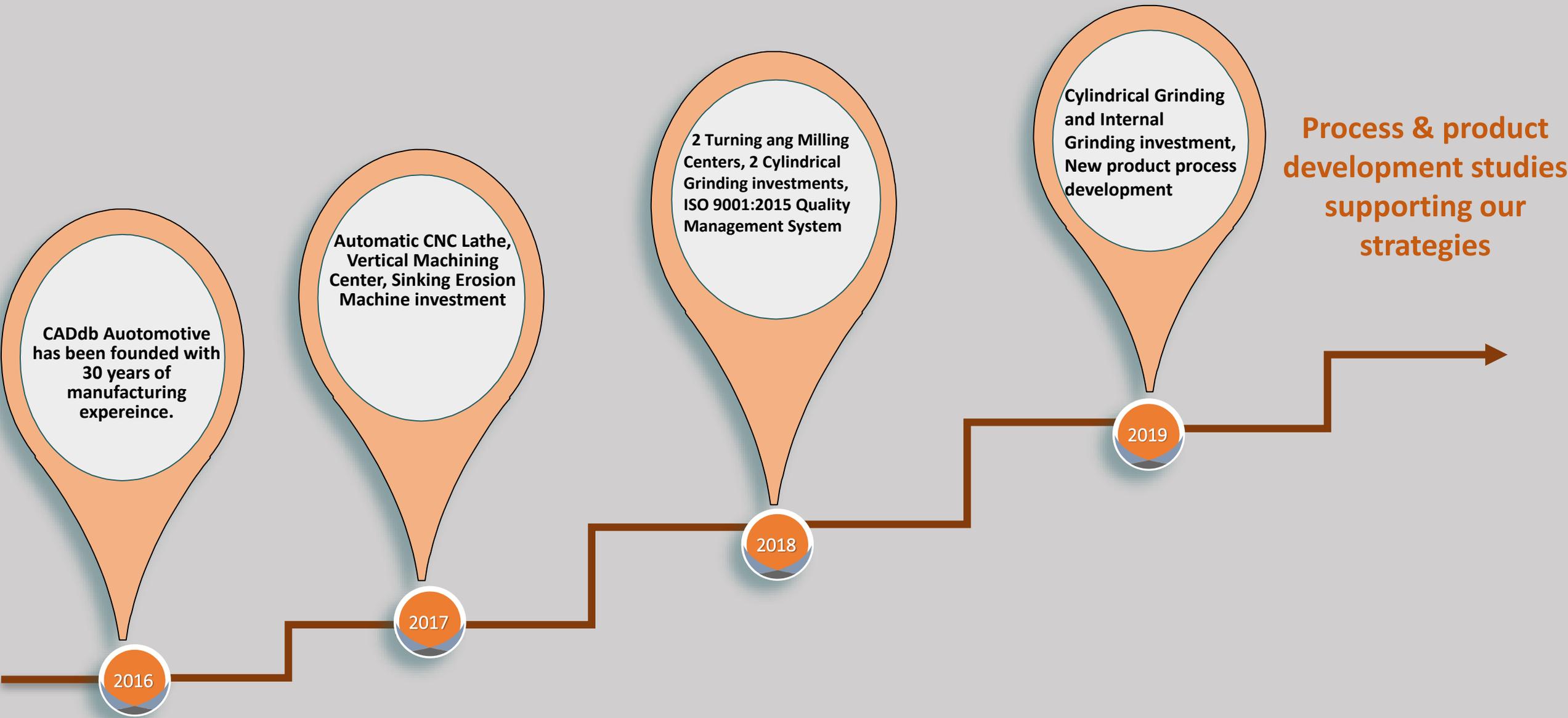
CADdb Diesel System Parts

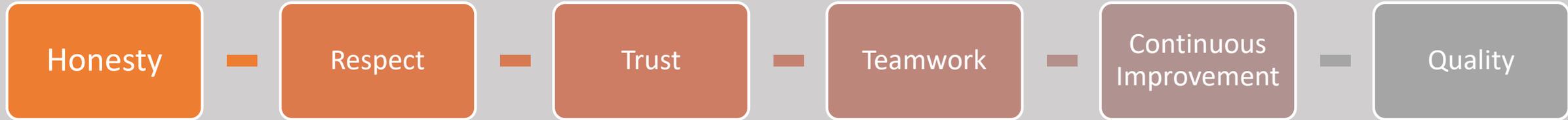
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Briefly CADdb

CADdb Otomotiv San.ve Tic.Ltd.Şti; serves its costumers of the sector in the Dudullu Organized Industrial Zone, DES Industrial Site, on an area of 400 m² with approximately 50 employees and its high production capacity





In our company, which adopts these principles, thanks to our English and Russian-speaking staff , technological innovations are being constantly followed and a continuous communication is established with our customers all over the world.

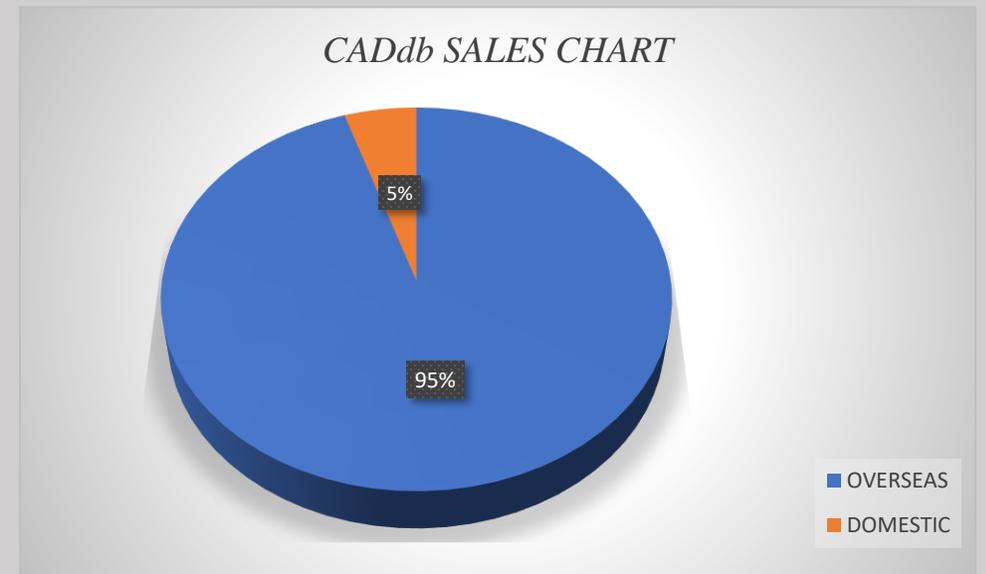
VISION

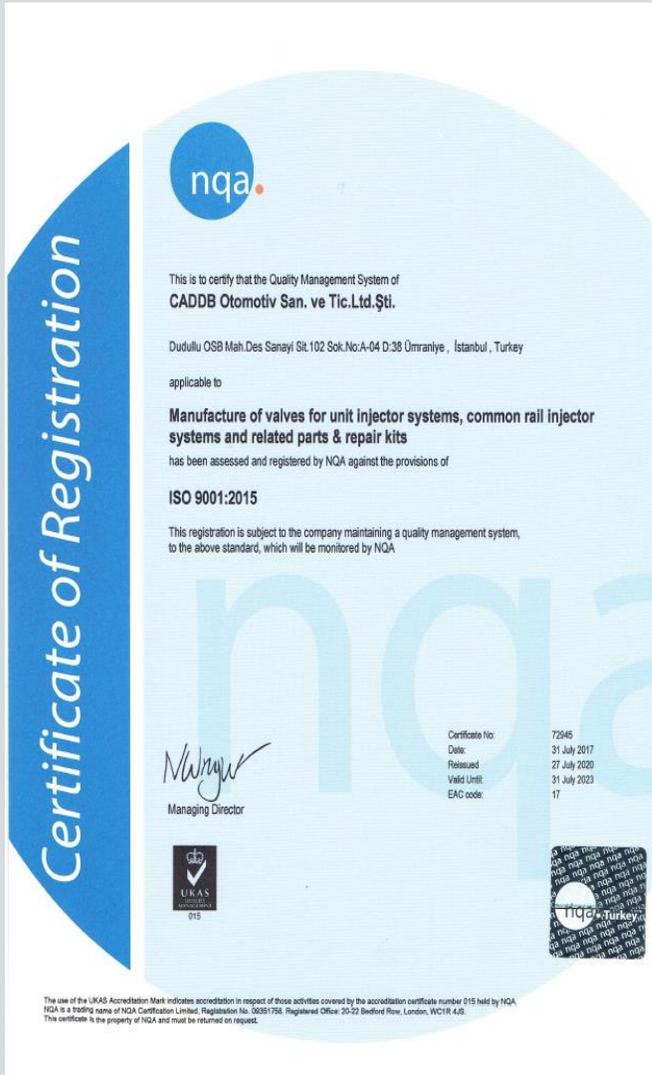
To be one of the best companies in Turkey in the industries we provide services with the concept of the best quality and cutting-edge technology.

MISSION

- To compete with the world's leading organizations in every field we operate,
- To produce high quality
- To be pioneer in technological developments,
- To maintain qualified human resources within our organization to realize our mission.

- 95% of our products are exported to many countries such as Canada, USA, Singapore, Germany, England, Nigeria and Kenya.





We own the ISO 9001:2015 quality certificate and we are constantly increasing the effectiveness of our Quality Management System.



MACHINING DEPARTMENT



TSUGAMI AUTOMATIC CNC LATHE HS327-5AX

- 11 Axes
- B axis
- Diameter: Can process parts up to 32mm.
- It has the ability to process complex shapes such as tappings, unions, pin bushing, nuts, angle holes.
- In addition to free machining steel, case hardening steel, tool steel, it is also suitable for many material types such as non-ferrous alloys, aluminum, brass, bronze

Sample Products

- Cat Pin
- 486 Pin
- Cat Body





TURNING MACHINE HYUNDAI SKT100M

- C –axis
- Tailstock
- Diameter: Can process parts up to 160mm.
- With a manufacturing tolerance of ± 0.05 in turning.
- In addition to free machining steel, case hardening steel, tool steel, it is also suitable for many material types such as non-ferrous alloys, aluminum, brass.

Sample Products

- Solenoid Case
- 379 Pin Centering
- 379 Cap





STAR AUTOMATIC CNC LATHE SR-32J

- 7 Axes
- Diameter: Can process parts up to 32mm.
- It has the ability to process complex shapes such as tappins, unions, pin bushings, nuts, angle holes.
- In addition to free machining steel, case hardening steel, stainless steel, tool steel, it is also suitable for many material types such as non-ferrous alloys, aluminum, brass

Sample Products

- Unit Injector Valve
- Honing Apparatus





MAZAK INTEGREX i-100S / i-100ST

- It provides maximum versatility, high precision and efficiency for smaller and more complex parts.
- 5 Axes
- B axis
- Turning and milling center
- Diameter: Can process parts up to 100mm.
- In addition to free machining steel, case hardening steel, tool steel, it is also suitable for many material types such as non-ferrous alloys, aluminum, brass.
- The B axis can work simultaneously.

Sample Products

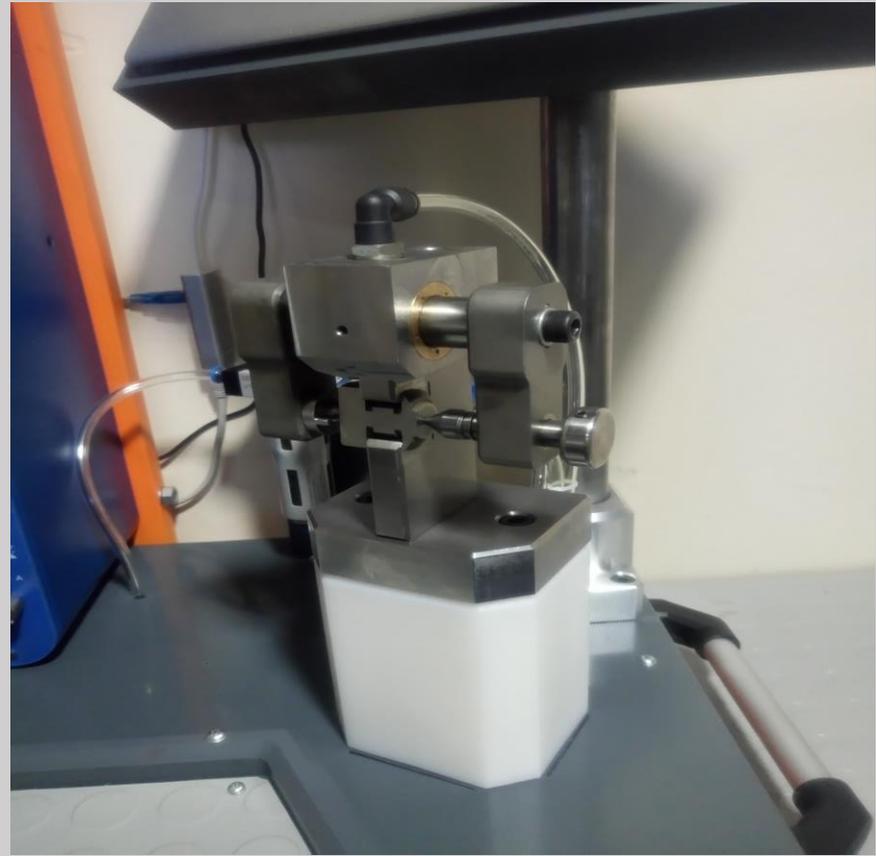
- 379 Main Body
- Cat Main Body
- 486 Main Body





VERTICAL MACHINING CENTER FADAL VMC 216 FX

- It is a CNC vertical machining center and a milling cutter used in tool manufacturing.
- 3 Axes
- In addition to free machining steel, case hardening steel, tool steel, it is also suitable for many material types such as non-ferrous alloys, aluminum, brass.



Sample Devices



GRINDING DEPARTMENT



- We have 5 cylindrical grinding machines.
- It has the ability to grind parts with a diameter from 1mm to 80mm and lengths up to 650mm with a precision of ± 0.001 depending on the part size (surface roughness) $Ra < 0.20 \mu\text{m}$.

STUDER FAVORIT CNC

Sample Products

- 379 Valve Main Body
- Cat Valve Main Body
- 486 Valve Main Body
- 379 Cap and Pin





STUDER S122 & STUDER CT450L

- It has the ability to process parts with a diameter of 1mm to 16mm with a precision of ± 0.001 , including 2 internal and 1 external grinding.
- $Ra < 0.2\mu m$
- Roundness $< 0.001mm$
- Internal grinding length 110mm, depending on the hole diameter.
- Maximum workpiece weight 1.5kg size $\text{Ø}70 \times 120mm$
- Linear motor driven StuderGuide® guide system available.



LAPPING MACHINE

- Double-sided precise surface lapping machine (fine grinding)
- Diameter from 10mm to 100mm, thickness from 2mm to 25mm. It has the ability to process parts within a wide range of parallelism of 0.002.

SURFACE GRINDING PSGS-3060H

- It has surface grinding capacity with a precision of ± 0.01 .
- Table sizes: 600X300mm.





Design & Final Quality Control



- The designs are made using the programs VISI CAD/CAM and TOPSOLID CAD/CAM.
- Heat treatment is an made external process and the products are controlled by our team.
- With the Vici Vision MTL250 shaft measuring device, 100% measurement and visual inspection with microscope is performed for small parts up to 90mm in length (with a precision of 0.01) and 14mm (with a precision of 0.002) in outer diameter.



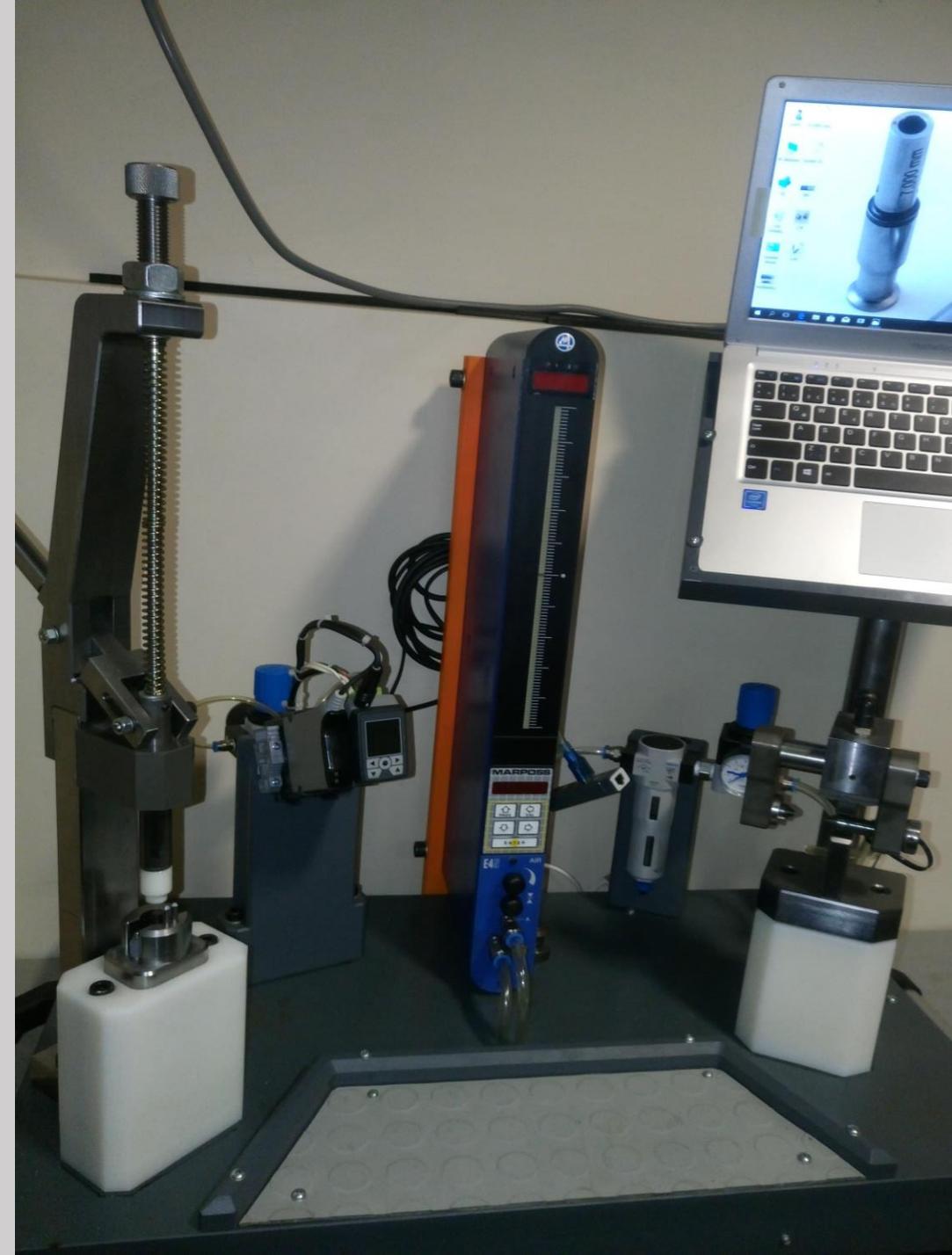
- Mahr Surface Roughness Measurement Device
- LCR- Meter
- Fluke Insulation Test Device





- Digital Caliper
- Micrometer with a thousand display after comma
- Micrometer with an ten thousand display after comma.
- Passometer
- Precise Laser Diameter Measuring Device
- Mahr Inner Diameter Measurement Dial Gauge

- Pre-process / Post-process Measurement System



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