



Micron
WORKS

Let's get
the job
done!



1

About Us

+ 77 years of combined experience in
the **Mining & Construction Industry**



Our mission

We develop exceptional metalworking processes through continuous improvement and innovation, under a zero-defect policy and the application of international standards to enhance the response of our customers to the market.

Our vision

To be recognized as a company with industrial excellence and a sense of humanity.

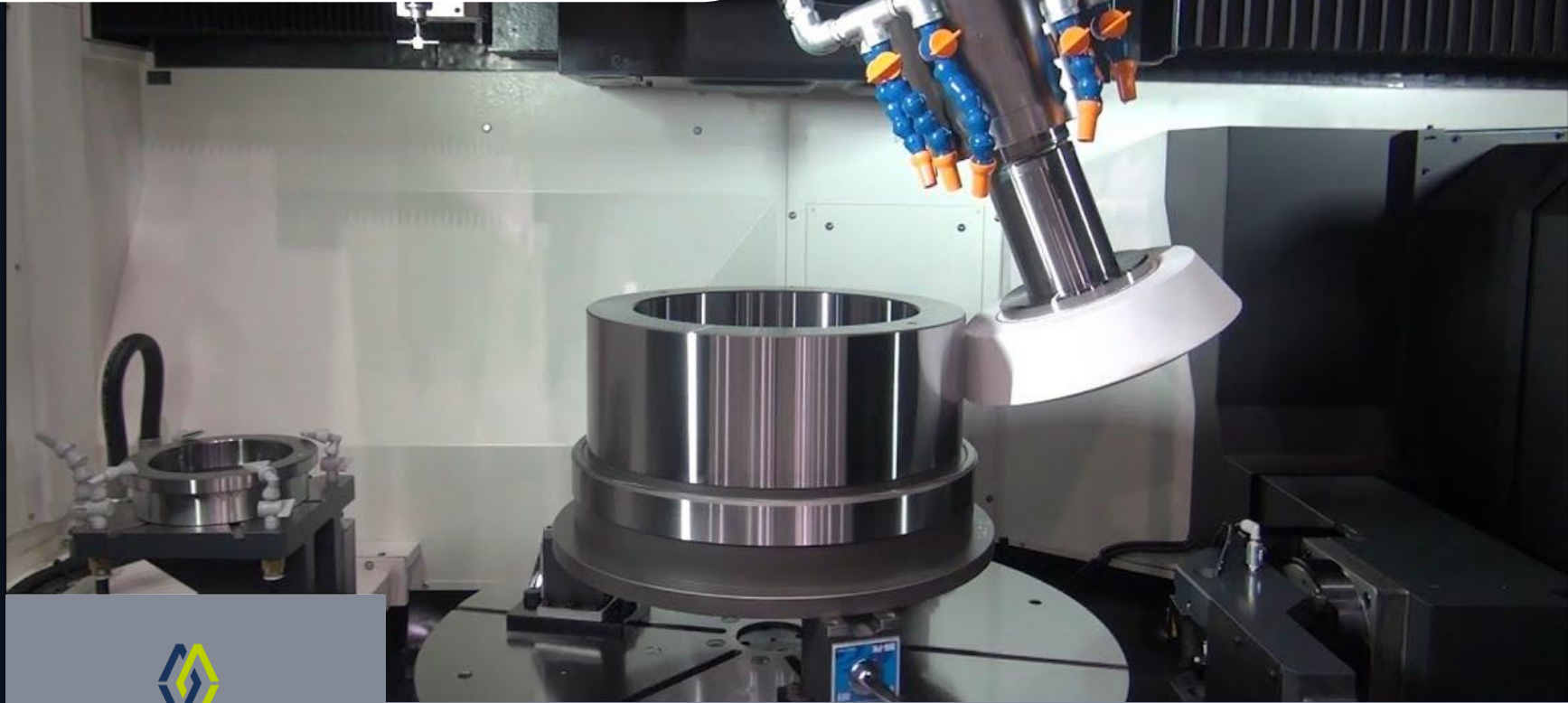
Let's get the job done!

Location

- Located in Matehuala, SLP
(<https://maps.app.goo.gl/idNVxHiL1WDY7V4u5>)
- Next to 57 Federal Highway
- 6 hrs. from the US border.
- 4 hrs. from Monterrey City
- 4 hrs from Querétaro City
- **2,000 m²** (21,500 sq. ft.) facilities



Grinding Experts



Master ring grinding, .002 mm roundness tol.



VM-55

- 550 mm max OD (21.6)
- 450 mm length (17.7in)
- 500 kg workpiece
- In-process Renishaw® probing

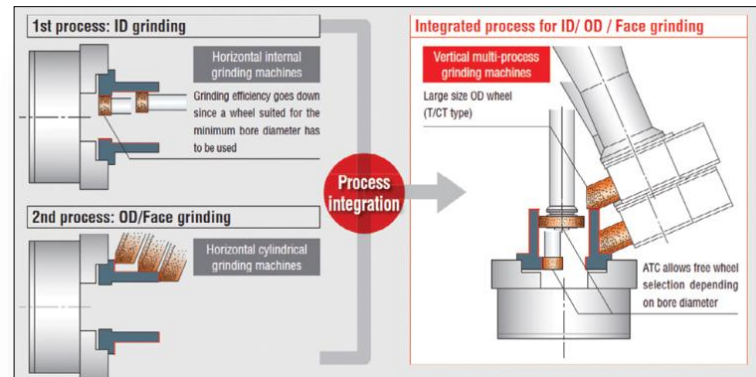


VM-85

- 850 mm max OD (33.4 in)
- 600 mm length (23.6in)
- 700 kg workpiece
- In-process Renishaw® probing

<https://www.aerospacemanufacturinganddesign.com/article/g-advantages-of-cnc-vertical-grinding-machines/>

<https://www.aerospacemanufacturinganddesign.com/article/cylindrical-grinding-machine/>



In-process Renishaw® probing on all models
2021 model machines





Puma V8300 M

- 50 Hp Heavy Duty Vertical turning center
- 830 mm turning diameter
- 780 mm Z axis
- 26 Hp Milling Capability



DNM 6700

- High productivity VMC
- 1300mm x 670mm x 625mm (XYZ)
- Cat 40 Big Plus
- 12k RPM



SVM 4100

- High speed cutting
- 770mm x 410mm x 510mm (XYZ)
- Cat 40 Big Plus
- 12k RPM

*2023 models



2 x Puma 4100 MB

- 50 Hp Heavy Duty horizontal turning center
- 15 in chuck
- 550 mm turning diameter
- 1040 mm Z axis
- 26 Hp Milling Capability



DNM 5700

- High productivity VMC
- 1050mm x 570mm x 510mm (XYZ)
- Cat 40 Big Plus
- 8k RPM
- In-process measuring cap.



*2025 model

Puma 3100

- 36 Kw Heavy Duty horizontal turning center
- 12" in chuck
- 481 mm turning diameter
- 755 mm Z axis
- Box guideway



AS-200LMY-S*

- Y axis & milling
- Sub-spindle
- 20 Hp main spindle
- 340 mm max turning diameter
- 570 mm max turning length
- 7.5 Hp Milling motor



SC – 300 MYS II **

- Y axis & milling, gear capability
- Sub-spindle
- 30 Hp main spindle
- 360 mm max turning diameter
- 635 mm max turning length
- 10 Hp Milling motor

*2023 model

** 2024 model



KF 6700 II

- High productivity VMC
- 1,300 x 670 x 635 mm (XYZ)
- 12k,000 RPM
- Cat 40 Big Plus
- 4th axis capability



KF 5600 II

- High productivity VMC
- 1100mm x 560mm x 520mm (XYZ)
- 8,000 RPM
- Cat 40 Big Plus



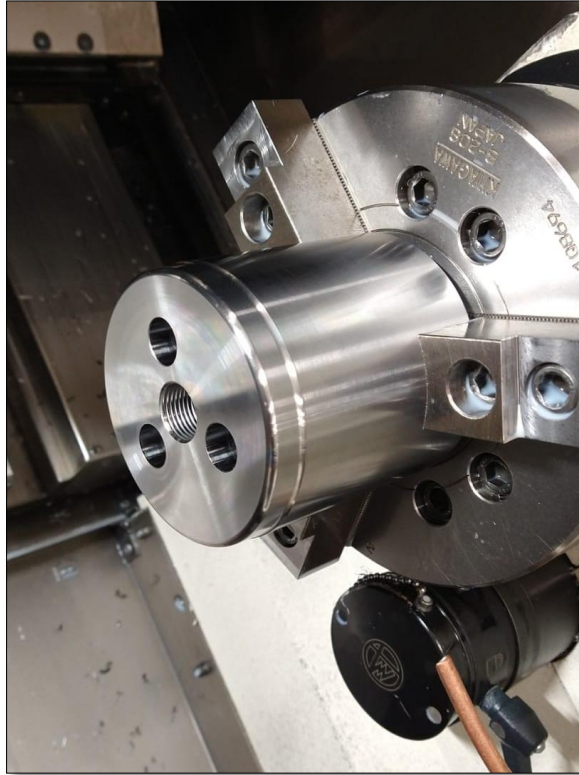
An ISO 9001:2015 certified company







Bush ID/OD & face grinding and probing



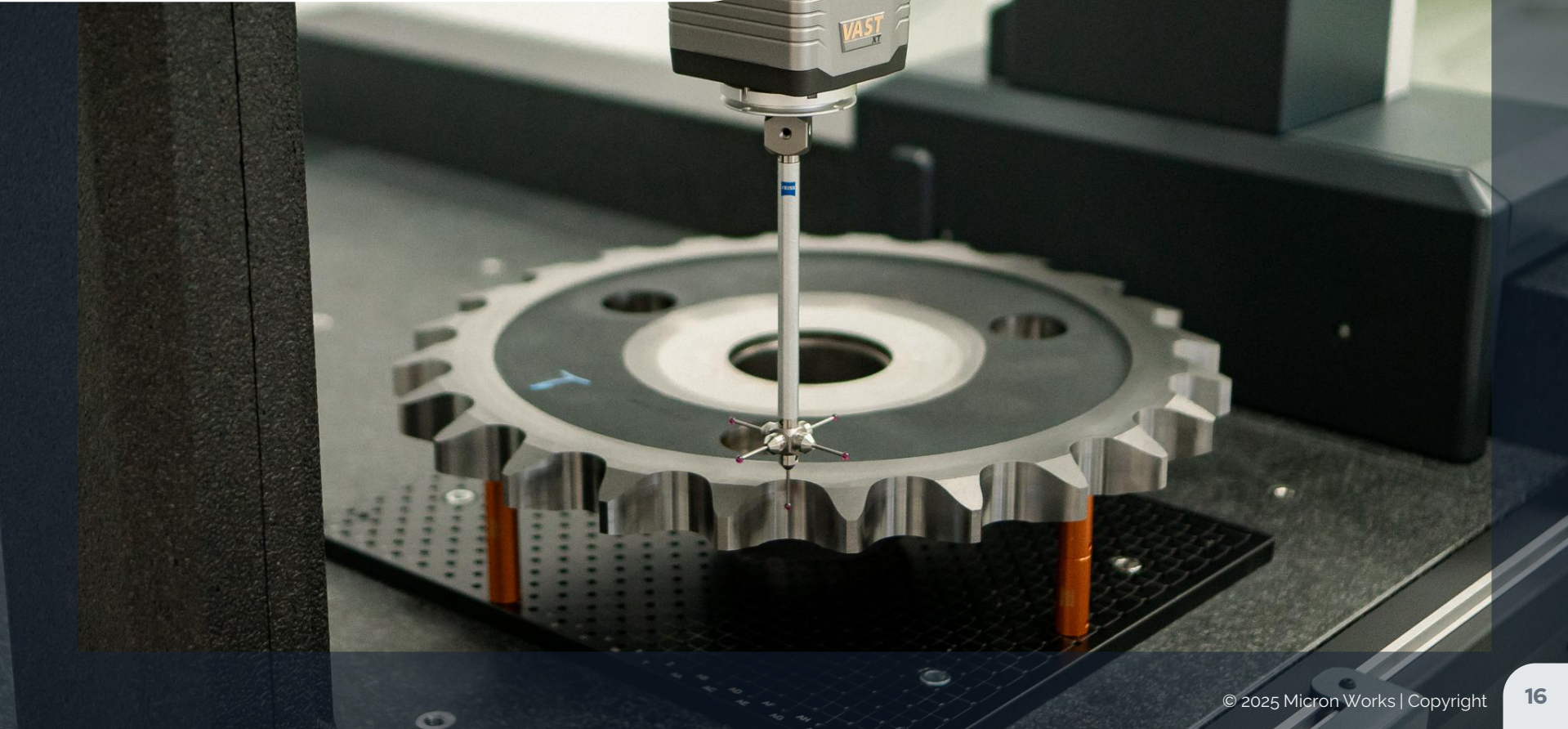
Turn & Mill on sub-spindle (1 setup for the finished part)



Hard turning (60-62 Hrc) with .020 mm tol.

CMM

Fully automated inspection



Specs

- Climate controlled lab
- 700 x 1,000 x 600 mm (XYZ)
- Highest precision stylus
- 1.2 μm repeatability range
- 730 kg. max. workpiece weight
- Traceable calibration



CMM Carl Zeiss Contura

Nital Acid Etching





Rockwell C Hardness tester

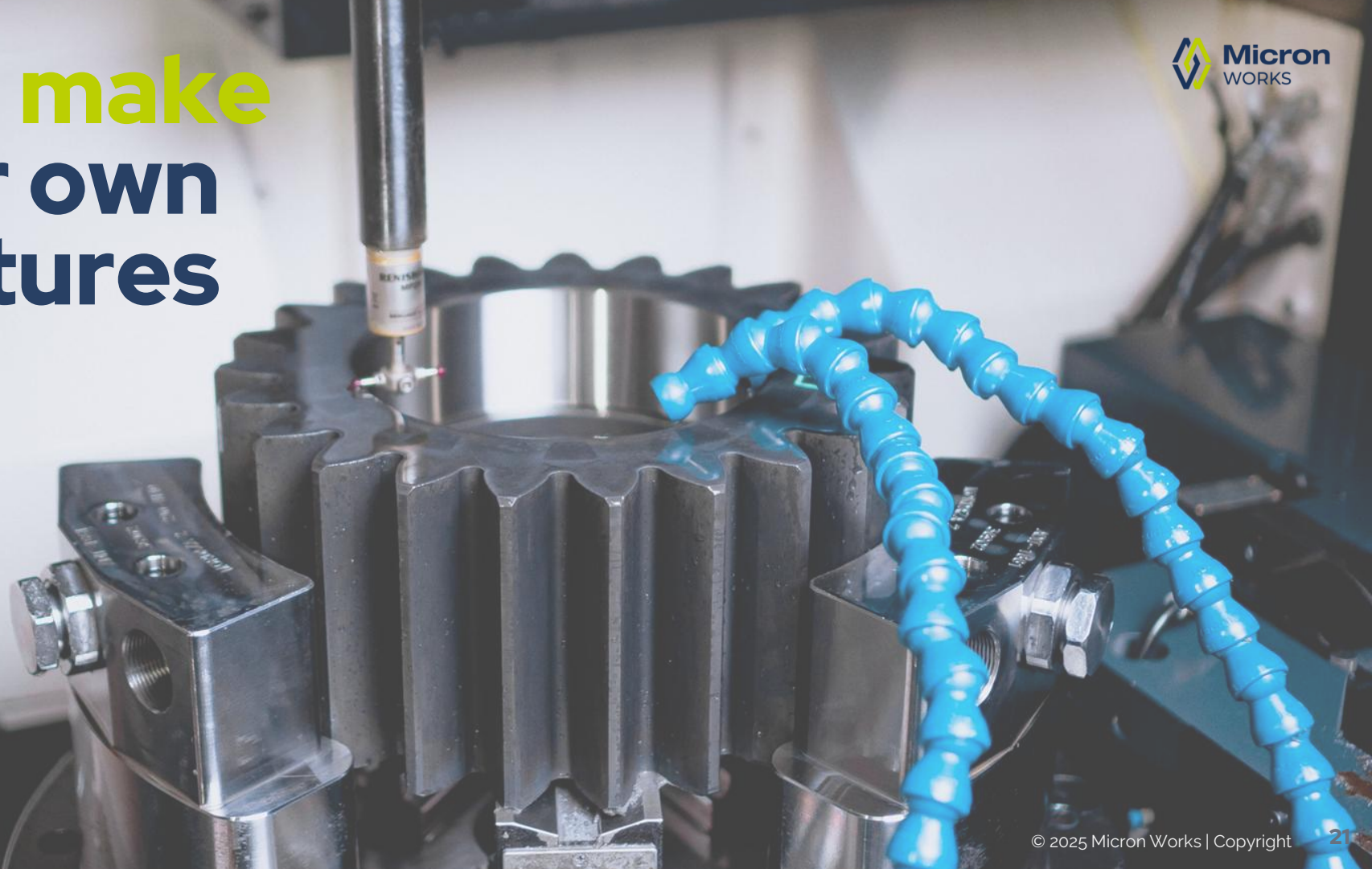
- Moving head
- Data management
- Rockwell, Brinell and Vickers scales
- Made in Austria

Highly skilled collaborators

- Over **18 years of** experience on Grinding and CNC processes.
- Applications and Quality Engineers, Green belt.
- Core tools knowledge
- CMM, CAD/CAM, CNC
- GD&T



**We make
our own
fixtures**



Materials

- Quench & Temper steel
- Carburizing steel
- Stainless steel (403,316)
- Hardened steel
- Bronze
- Aluminum
- Nylon
- Ductile & gray iron casting
- Forged steel

Outsourced processes

- Quench & Temper
- Carburizing
- Induction case hardening
- Galvanizing
- Gray & Ductile Iron casting

Main Materials & Outsourced Processes

1

Feasibility & Quote

We like to be sure that we can make what you need.

2

Advanced Planning

Resource planning, process and product assumptions are made. A list of preliminary special characteristics, measuring methods among others are established.

3

Testing

Developing NC programs and running trials at our facilities. Dimensional report can be provided.

4

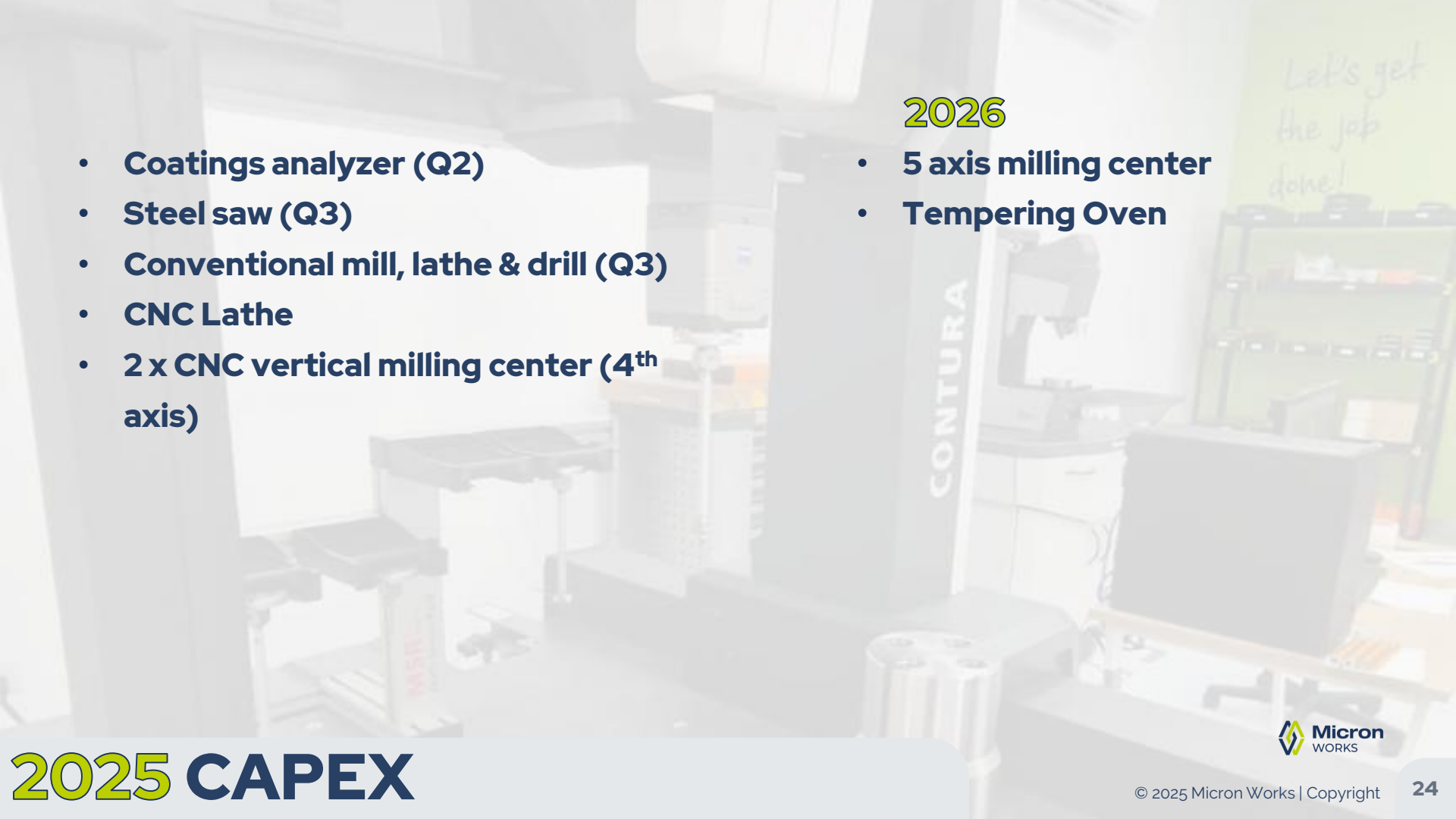
PPAP

Running a Production Parts Approval Process on site with the actual machines and special tools. Dimensional and statistical report are usually provided.

5

Production

We won't be happy until we have a controlled process producing conforming parts.



2026

- Coatings analyzer (Q2)
- Steel saw (Q3)
- Conventional mill, lathe & drill (Q3)
- CNC Lathe
- 2 x CNC vertical milling center (4th axis)
- 5 axis milling center
- Tempering Oven

2025 CAPEX

Certifications



- **ISO 9001:2015** Certified Company
- **AS 9100** Q1-Q2 2026

Memberships

FEMIA



**We
just
need
to ...**

