# Machine Park

# FORSTEK d.o.o.

Production Equipment Overview · Dol pri Hrastniku

# Company Profile

FORSTEK d.o.o. is a company specializing in **CNC metalworking**, with many years of experience in precision mechanical manufacturing. Our equipment covers the entire production cycle, from cutting the raw stock to final quality inspection. By combining modern 5-axis CNC machining centers with specialized technologies, we deliver the highest level of precision and reliability for demanding industrial projects.

## CNC Milling

3- and 5-axis machining of complex geometries

## CNC Turning

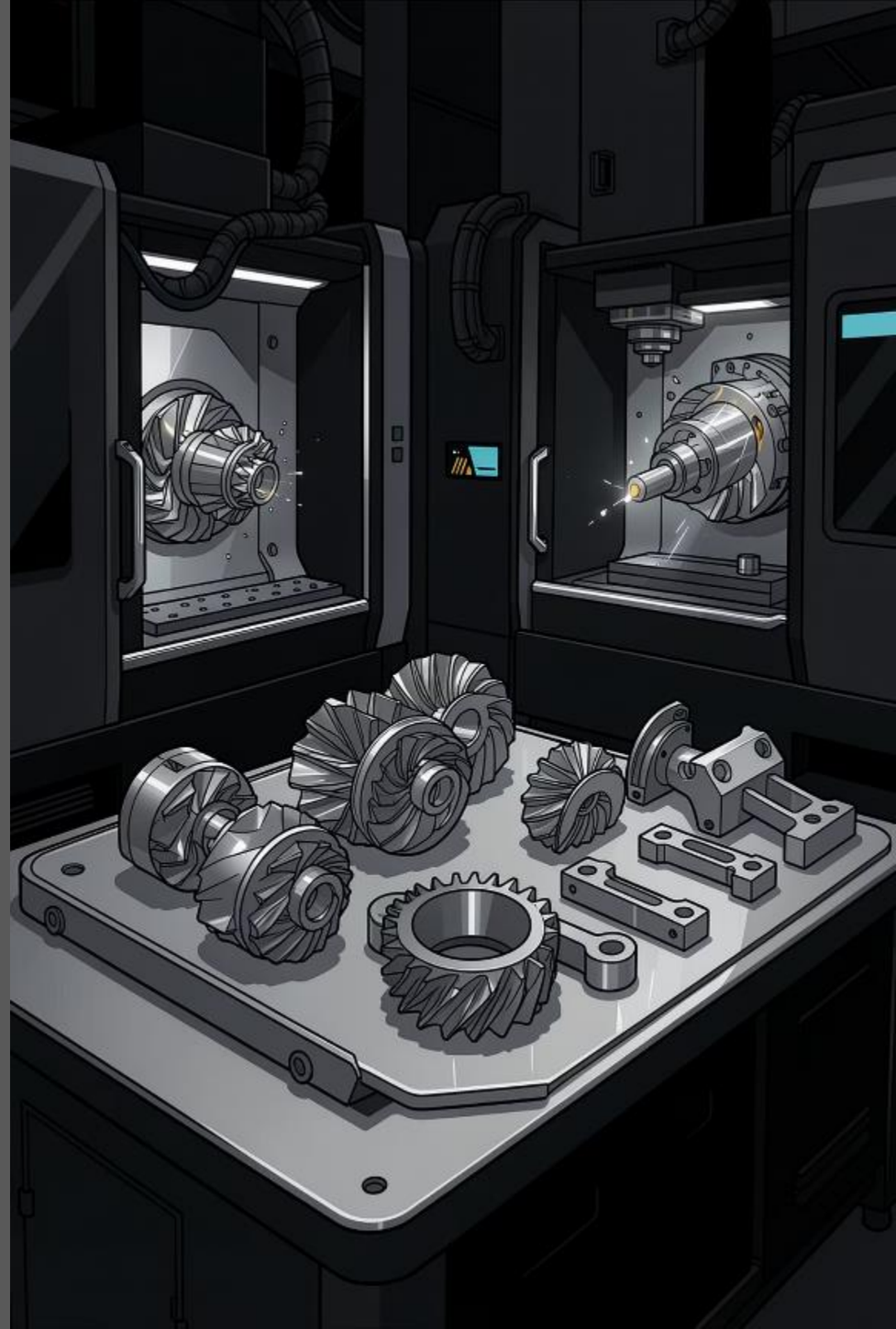
Rotational parts, high productivity with driven (live) tooling

## Grinding, EDM & Polishing

Finishing and fine machining

## Other Equipment

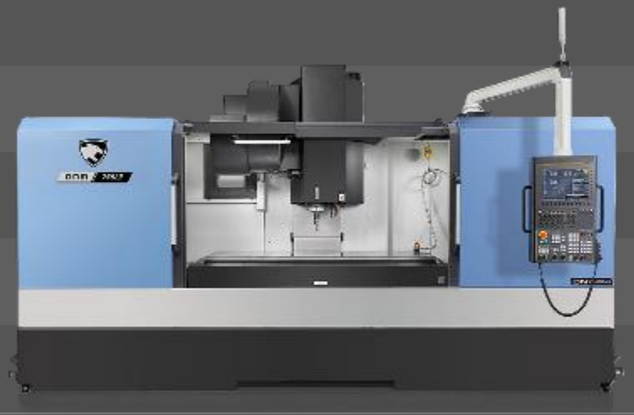
Prototyping and quality marking



# CNC Milling

| Machine | Year | Working range |
|---|---|---|
| DNM 750 II | 2026 | 1630 × 762 × 600 mm |
| DNM 4500 | 2026 | 800 × 450 × 510 mm |
| MAS 1270 | 2009 | 1270 × 610 × 720 mm |
| HERMLE C40U | 2010 | 850 × 700 × 500 mm |
| HERMLE C30U | 2012 | 650 × 600 × 500 mm |
| HERMLE C30U | 2012 | 650 × 600 × 500 mm |
| HERMLE C400U | 2014 | 850 × 700 × 500 mm |
| HERMLE C400U | 2015 | 850 × 700 × 500 mm |
| HERMLE C400U | 2016 | 850 × 700 × 500 mm |
| NEWAY HE50-D | 2022 | 760 × 710 x 760 mm |



# CNC Turning







| Machine | Year | Working range |
|---|---|---|
| Gildemeister NEF-600 | 2006 | 250 x 1250 mm |
| Gildemeister CTX-600 | 2001 | 330 x 1500 mm |
| Gildemeister NEF-600 | 2006 | 550 x 2000 mm |
| Gildemeister CTX-520 | 2004 | 330 x 1500 mm |
| Gildemeister CTX-410 | 2005 | 250 x 800 mm |
| OKUMA GENOS L300E | 2016 | 220 x 1000 mm |
| OKUMA LB4000EX II | 2017 | 500 x 1000 mm |

# Spark Erosion (EDM)

Using an electrical discharge machine (EDM) and two dedicated EDM hole-drilling machines, we can machine hardened and extremely hard materials that cannot be processed by conventional methods. Our machinery ensures high geometric accuracy, superior surface quality and fast production of start holes, even on the most demanding workpieces.




## OMEGA EDM CM800

2022 – Hole-drilling machine for holes from 0.3 mm upwards

## OMEGA EDM CM800

2017 – Hole-drilling machine for holes from 0.3 mm upwards

## OMEGA EDM CM43

More demanding EDM machining of larger workpieces

# Sawing and Grinding






## Sawing

Two **Kasto** band saws provide precise material cutting as the starting point of every production process. Suitable for various profiles and materials.

## Grinding

The **MG4080 AD** surface grinder enables fine grinding of flat surfaces with high precision and excellent quality.

# Conventional Machines



Conventional machines complement our CNC fleet for **auxiliary operations, tool maintenance and prototype production**. They enable quick and flexible response to specific requirements without lengthy programming.

| | | |
|---|---|---|
| TVP-250 | USA-250 | TNP-250 |
| Conventional turning | Universal lathe | Conventional milling |

# Other Equipment

In addition to primary machining, we have additional equipment that provides comprehensive support for prototype production, final finishing of products and personalization.

## 3D Printer – PRUSA XL

Advanced additive manufacturing of larger and more complex parts using various materials, ensuring high dimensional accuracy and structural strength.




## LASER ENGRAVER – XTOOL F1 ULTRA DELUXE

High-speed, precise laser personalization and marking of various materials for permanent traceability and aesthetic perfection of finished products.




## WELDING

Professional joining of materials using TIG, MIG, arc and submerged arc welding, producing high-quality, structurally strong and durable joints suited to different types of metals.

# Measuring Equipment

Quality control is an integral part of our production process. With advanced measuring equipment, we ensure that all parts comply with the required tolerances and customer specifications.

## MISTRAL DEA

Coordinate measuring machine (CMM) for high-precision 3D measurement of complex geometries.

## HEXAGON ABSOLUTE ARM

Portable measuring arm for measurements directly in production, also usable in the field (on site).

## OTHER MEASURING EQUIPMENT

Surface roughness tester, hardness tester and measuring microscope for comprehensive analysis of surface quality and mechanical properties of materials, and precise optical inspection of microscopic details.





# Summary of Manufacturing Capabilities

## 20+

Specialized machines

FORSTEK d.o.o. offers a **complete manufacturing process under one roof** — from the first cut to final quality inspection. The combination of modern CNC centers, specialized technologies and measuring equipment places us among the most technologically capable manufacturers in the region.

## Maximum Machining Ranges:

### 5-Axis Milling

850 × 700 × 500 mm

### 3-Axis Milling

1630 × 762 × 600 mm

### Turning

550 x 2000 mm

### Material Cutting

Ø400 mm