

**TRIKOMA**

PRECISION MACHINING

# About Us

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Trikoma Machining s.r.o.

We are a growing company with young team located in Czech Republic. The company has been established year 2016.

Our core products include Defence, Medical, and Aero Engine precision components.

## Manufacturing Capabilities

- Multi-Axis Turning
- 5 Axis Miling
- Surface Finishing

## Manufacturing Equipment

- 4 Turning Centers
- 1 Turning Machine
- 1 5Axis Milling Machine

## Manufacturing Systems

- SolidWorks
- SolidCAM

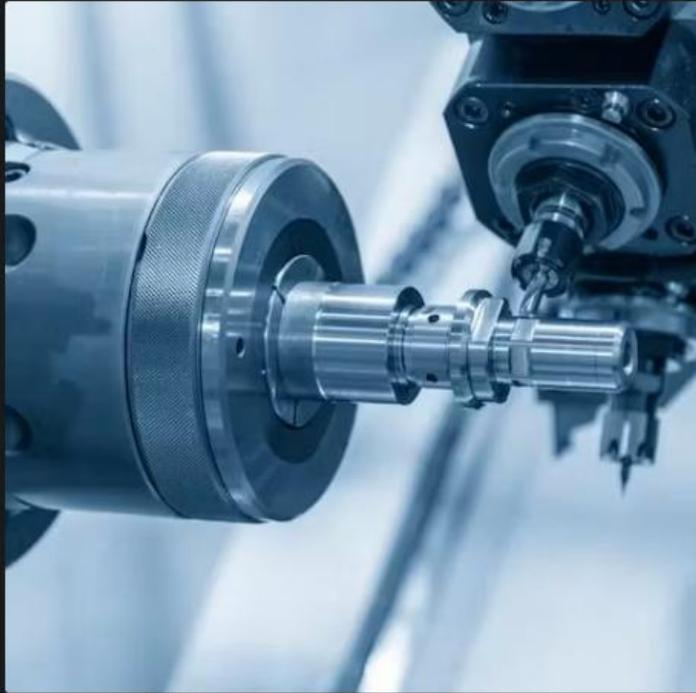
Quality – ISO9001

## Inspection Equipment

- CMM ZEISS / SW – CALYPSO /

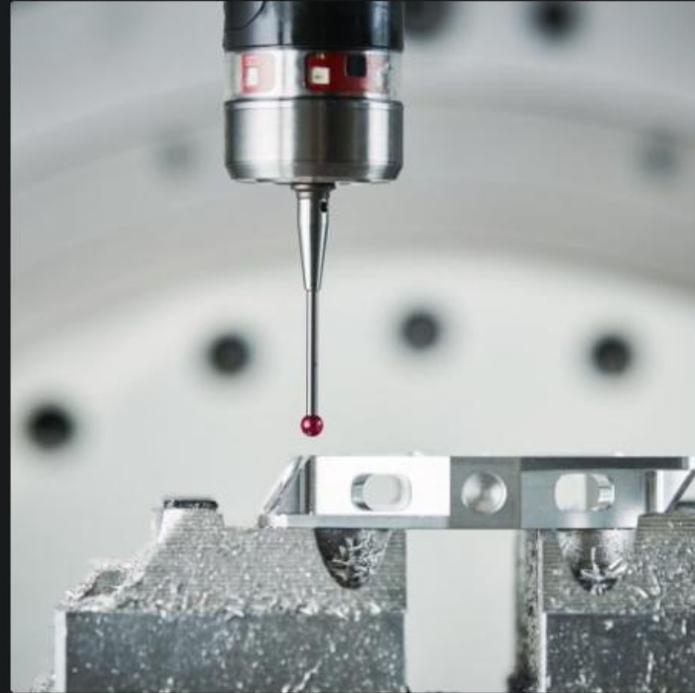


References: Honeywell, ThermoFisher



## Machining

High-Precision Mass Production of Highly Functional Parts using a lathe-based multi-axis turning centers + 5axis milling machine.



## Measuring CMM

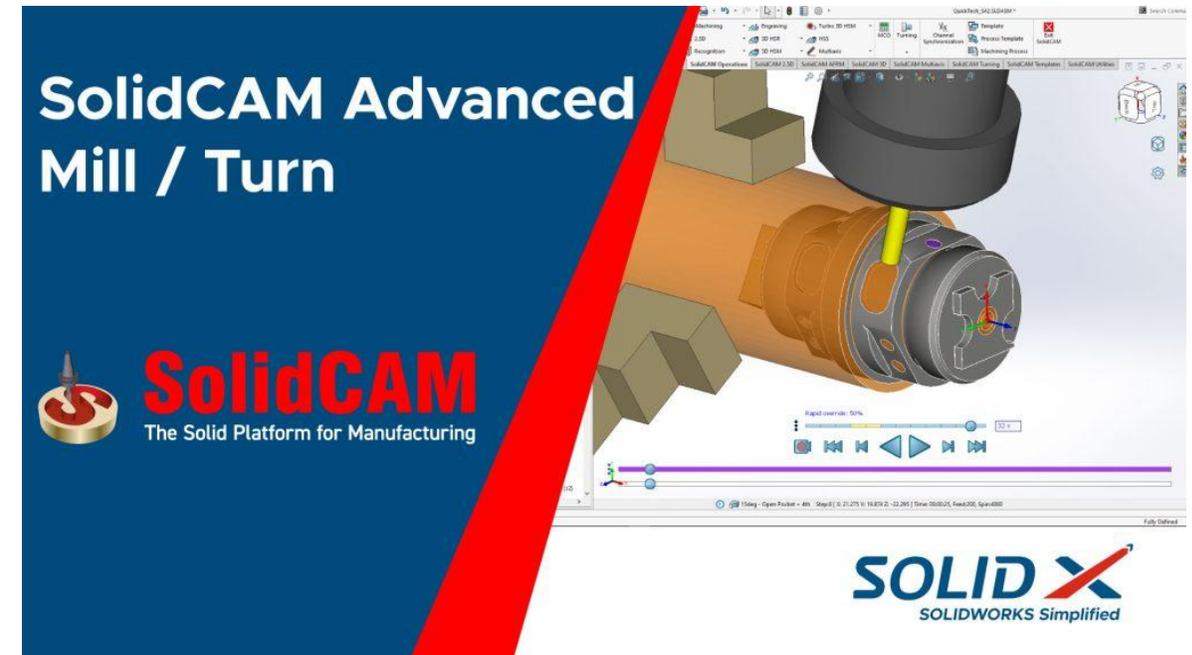
A coordinate measuring machine (CMM) is a device that measures the geometry of physical objects by sensing discrete points on the surface of the object with a probe.



## Surface Finishing

Vibratory finishing is a type of mass finishing manufacturing process used to deburr, radius, descale, burnish, clean, and brighten a large number of relatively small workpieces.

## 3D CAD & CAM : SolidWorsk & SolidCAM



# Machines

Trikoma Machining s.r.o.

## NLX 2000

Ultimate Performance for Parts Machining

Max. workpiece diameter

366 mm

Max. workpiece length

510 mm

Max. bar capacity diameter

65 mm

Max. X-axis stroke

260 mm

Max. Y-axis stroke

100 mm

Max. Z-axis stroke

590 mm



## NLX 2500

Ultimate Performance for Parts Machining

Max. workpiece diameter

460 mm

Max. workpiece length

1,255 mm

Max. bar capacity diameter

90 mm

Max. X-axis stroke

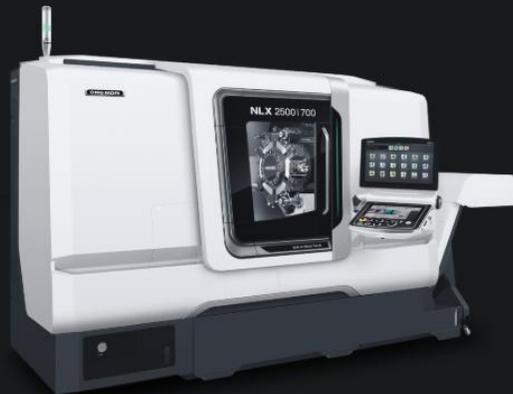
260 mm

Max. Y-axis stroke

100 mm

Max. Z-axis stroke

1,345 mm



## NZX 2000

Precise Machining of High-performance Mass

Production Parts

Max. workpiece diameter

320 mm

Max. workpiece length

300 mm

Max. bar capacity diameter

65 mm

Max. X-axis stroke

210 mm

Max. Y-axis stroke

110 mm

Max. Z-axis stroke

810 mm



## NTX 2000

Covering Extensive Range of Machining Across

All Fields

Max. workpiece diameter

670 mm

Max. workpiece length

1,538 mm

Max. bar capacity diameter

65 mm

Max. X-axis stroke

675 mm

Max. Y-axis stroke

300 mm

Max. Z-axis stroke

1,562 mm



## CMX 50U

The solution for 5-sided machining – from now on with direct measuring system and IoTconnector in standard

Max. X-axis stroke	500 mm
Max. Y-axis stroke	450 mm
Max. Z-axis stroke	400 mm
Max. workpiece diameter	630 mm
Max. workpiece height	550 mm
Max. workpiece weight	200 kg



## ZEISS CNC-Coordinate measuring device ECLIPSE Eco 7/7/5 CNC (ST3)



### Measuring Size Range:

X – 700mm / Y – 700mm / Z – 580mm

Table	800 mm x 800 mm
Max Load	560kg
Air Conditioning	20±1°

### Accuracy:

- VDI/VDE 2617: U1 =  $(2,4 + L/250)$   $\mu\text{m}$ , U3 =  $(2,9 + L/250)$   $\mu\text{m}$ , V2 = 2,2  $\mu\text{m}$
- ISO 10360-2: E =  $(2,9 + L/250)$   $\mu\text{m}$ , R3 = 3,3  $\mu\text{m}$

# Contact

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