



NEÁPOLIS

CNC - TECHNIK

**German
engineered-
precision**

**Trusted where
it matters most**

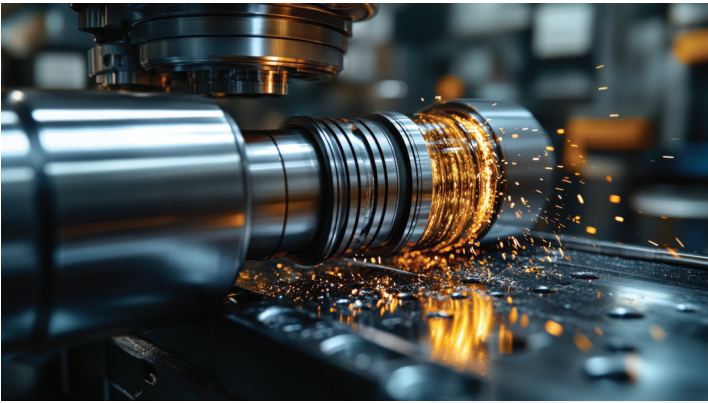
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Neápolis CNC Technik

Precision Through Experience



For over 10 years, Neapolis CNC-Technik has stood for the highest quality and precision in machining manufacturing. With extensive know-how and state-of-the-art CNC technology, we have established ourselves as a reliable partner particularly in the aerospace Oil and Gas industries and among manufacturers of construction machinery

Our passion for precision and our continuous development have enabled us to successfully establish ourselves in other industrial sectors as well. From conceptual development and prototype manufacturing to series production, we support our customers at every stage of their project. In doing so, we place particular emphasis on the highest manufacturing quality, efficient processes, and on-time delivery.

With a modern machine park that includes high-precision CNC milling and turning machines, we are capable of executing even the most demanding projects. Our expertise in machining a wide range of materials and our ability to process complex geometries make us a valued partner in the aerospace and Oil and Gas industries.

Our recipe for success is based on:

- ✓ 10 years of experience in high-precision manufacturing.
- ✓ Specialization in the aerospace Oil and Gas industries and other demanding sectors.
- ✓ State-of-the-art CNC technology for the highest quality and efficiency
- ✓ Flexible manufacturing capacities for customized solutions.
- ✓ Customer-focused collaboration based on partnership and mutual respect.



At Neapolis CNC-Technik, we take pride in developing innovative solutions that meet the highest standards and most demanding requirements.

With passion, precision, and a clear focus on quality, we are shaping the future of manufacturing.

CNC Precision Components for Aerospace

Neapolis CNC-Technik delivers high-precision machined components for the aerospace industry, where quality and reliability are non-negotiable.

Precision Manufacturing Complex components, assemblies, and fixtures produced in strict adherence to aerospace standards. End-to-End Support From prototyping to series production, efficient processes and on-time delivery, every time. Technology : Advanced 5-axis systems from DMG MORI:

- ✓ 5-axis machining centers
- ✓ Turning with milling capabilities

Applications Structural components, housings, fixtures, and multi-axis parts.

Trusted where it matters most.



CNC Precision Components for Oil & Gas

Neapolis CNC-Technik delivers precision-machined components engineered to perform in extreme oil and gas environments, where reliability is critical and failure is not an option.

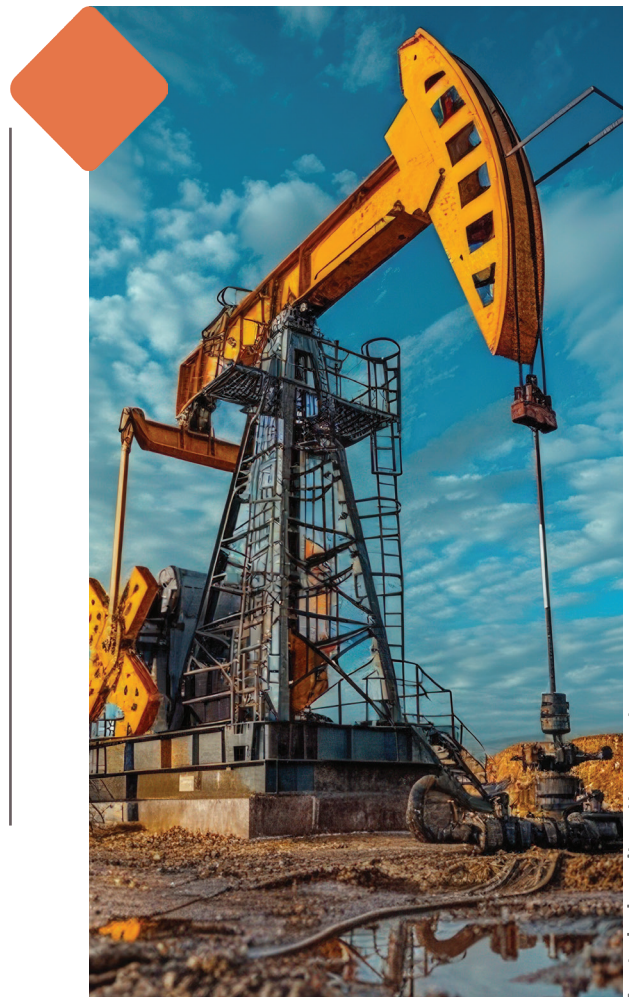
Built for Demanding Conditions Our CNC capabilities ensure accuracy, durability, and consistent performance under high pressure and harsh operating environments.

Capabilities:

- ✓ CNC turning for shafts and cylindrical parts
- ✓ 5-axis machining for complex components
- ✓ High-precision finishing for sealing surfaces

Materials Stainless steel, alloy steels, and corrosion-resistant materials Applications: Valve components, pump parts, and precision housings

Trusted where it matters most.



Trusted where it matters most

CNC Milling Machine

DMG MORI CMX 70 U



The **DMG MORI CMX 70 U** is a powerful 5-axis machining center that delivers outstanding precision and flexibility. Whether manufacturing complex components or demanding series production, this machine is the ideal choice for companies that place a strong emphasis on quality and efficiency.

Technical Highlights:

- ✓ **5-Achs-Machining:**
Simultaneous machining enables maximum geometric flexibility and significantly reduced setup times.
- ✓ **Large Working Area:**
X/Y/Z- travel distances of 750 mm × 600 mm × 520 mm provide ample space for a wide variety of workpieces.
- ✓ **High-Performance Spindel:**
Up to 12.000 rpm for precise and high-speed machining.
- ✓ **Automatic Tool changer:**
30-tool-magazine (optionally expandable) for maximum flexibility.
- ✓ **Premium Control System:**
SIEMENS 840D sl for intuitive programming and precise machine control.

Technical Specifications Overview

- ✓ **Travel Paths (X/Y/Z):**
750 mm / 600 mm / 520 mm
- ✓ **Max. Table Load:**
350 kg
- ✓ **Tool Holder:**
SK40 / HSK-A63
- ✓ **Spindel Speed:**
Up to 12.000 rpm
- ✓ **Tool Changer:**
30 tool positions (optional 60 positions)
- ✓ **Positioning Accuracy:**
± 0,005 mm



CNC Turning Machine

DMG MORI CLX 450 TC



The **DMG MORI 70 U** is a powerful 5-axis machining center that offers outstanding precision and flexibility. Whether producing complex components or handling demanding series production, this machine is the ideal choice for companies that place a strong emphasis on quality and efficiency.

Technical Highlights:

- ✓ **Complete Turn-Mill Machining:**
Thanks to the integrated turn-milling head and the B-axis, both precise turning and milling operations can be performed within a single setup.
- ✓ **Counter Spindle:**
The counter spindle allows machining on both sides of the workpiece without manual repositioning.
- ✓ **Driven Tools:**
Provide flexibility for complex milling and drilling operations directly on the turning machine.
- ✓ **Large Tool Magazine:**
With 60 tool positions, even complex machining operations involving multiple tool changes can be performed efficiently.
- ✓ **High Spindle Performance:**
Up to 5,000 rpm for maximum efficiency and excellent surface quality.
- ✓ **Intuitive Control System:**
SIEMENS 840D with easy programming for complex machining operations.

Technische Daten im Überblick

- ✓ **Max. Turning Diameter :**
400 mm
- ✓ **Max. Turning Length :**
1.100 mm
- ✓ **Spindle speed:**
Up to 5.000 rpm
- ✓ **Counter Spindle :**
Yes
- ✓ **Tool Magazine :**
60 tool positions
- ✓ **B-Axis Swivel Range:**
 $\pm 120^\circ$
- ✓ **Y-Axis Travel:**
 ± 100 mm
- ✓ **Driven Tools:** Ja
- ✓ **Positioning Accuracy:**
 $\pm 0,005$ mm



Frequently Asked Questions

1 What is CNC machining and how does it work?

CNC machining is an automated manufacturing process in which machines are computer-controlled to precisely shape materials such as metal, plastic, or wood.

This technology enables complex cutting and drilling operations that would be extremely difficult to achieve manually.

2 Which materials can you machine?

We machine a wide range of materials, including aluminum, stainless steel, copper, brass, plastics, and more.

Depending on the requirements of your project, we are also happy to advise you on selecting the most suitable material.

3 How precise are the CNC machines?

Our CNC machines achieve tolerances of up to ± 0.01 mm.

This level of accuracy enables the production of highly precise components that meet even the most demanding requirements.

4 Do you also provide support with product development?

Yes, our team is happy to support you from the initial idea to the finished product. We provide technical consultation and assist with the development of prototypes and series Production.

5 How long does a typical CNC project take?

The machining time depends on the complexity and size of the project. Smaller projects can be completed within a few days, while more complex orders may take several weeks. For every project, we create an individual production schedule to ensure efficient and timely delivery.

6 How can I request a quotation?

Simply send us an inquiry with your project requirements and, if possible, technical drawings or CAD files.

Based on your specifications, we will prepare a customized quotation tailored to your needs.



Your Experts in Precision and Innovation

At Neapolis CNC-Technik, we deliver precision-machined components tailored to your requirements, combining accuracy, reliability, and advanced CNC technology.

Trusted by Europe's Leading Industries Top European companies rely on us for critical, high-precision components.

Experience German-engineered Precision



German-engineered precision.
Trusted where it

ISO 9001 : 2015 certified, Neapolis CNC-Technik delivers precision-machined components with the reliability and performance that aerospace and oil & gas applications demand

✉ Get Your Quotation Today

Send us your drawings or samples and we will deliver a precise, competitive quote tailored to your project.

Contact Neapolis CNC-Technik to discuss your next precision machining project.

Precision. Innovation. Your Success.





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