GERD WOLFF®
MAKiNA

Our Machine Park Equipped with Advanced Technology

Equipped with the latest technology machinery, we execute every project with outstanding quality and precision.





FPT CNC Machining Center

The FPT CNC Machining Center is designed for high-precision machining of large-scale and heavy workpieces.

The machine is suitable for heavy-duty cutting operations thanks to its high-power spindle and rigid structural design.

With its CNC-controlled angular head, complex geometries and inclined surfaces can be machined in a single setup.

The automatic tool changer system, high-capacity tool magazine, and advanced CNC control unit ensure maximum productivity and operational efficiency.

Technical Specifications
X Axis: 12,000 mm
Y Axis: 3,500 mm
Z Axis: 1,500 mm
Rotary Table
Angular Head

SHW CNC Horizontal Boring and Machining Center

The SHW CNC Horizontal Boring and Machining Center is an industrial-grade production solution designed for high-precision machining of large and heavy workpieces.

Thanks to its robust column structure and heavy-duty machine frame construction, it ensures maximum stability during heavy cutting operations.

Its high-rigidity design minimizes vibration, providing a stable and reliable machining environment. With precise positioning capability and high repeatability performance, the machine guarantees dimensional accuracy.

By enabling multi-face machining in a single setup, it accelerates production processes and enhances operational efficiency. Ideal for machining large and long workpieces, it offers a sustainable and reliable investment advantage with its industrial durability and long service life.



Technical Capacity
X Axis: 6,000 mm
Y Axis: 1,500 mm
Z Axis: 2,100 mm
Rotary Table Feature
Angular Head

DROOP & REIN Bridge-Type Vertical CNC Machining Center



The DROOP & REIN gantry-type CNC machining center is an industrial production solution designed for high-precision machining of large-scale and heavy workpieces. Featuring a double-column and crossrail-type rigid structure, it ensures exceptional stability and durability. Thanks to its high-rigidity portal construction, vibration is minimized, delivering stable and reliable performance even during heavy-duty cutting operations.

The wide T-slotted worktable allows secure and balanced clamping of heavy components such as large molds and machine frames. Extended axis travels combined with a powerful spindle unit provide high material removal capacity for roughing and semi-finishing operations, without compromising dimensional accuracy or surface quality.

It offers a robust, durable, and long-lasting solution for machining large-scale components in industries such as mold manufacturing, energy, defense, and heavy machinery production. With its high performance and solid mechanical structure, it is engineered to meet the demanding heavy-machining requirements of modern production facilities.

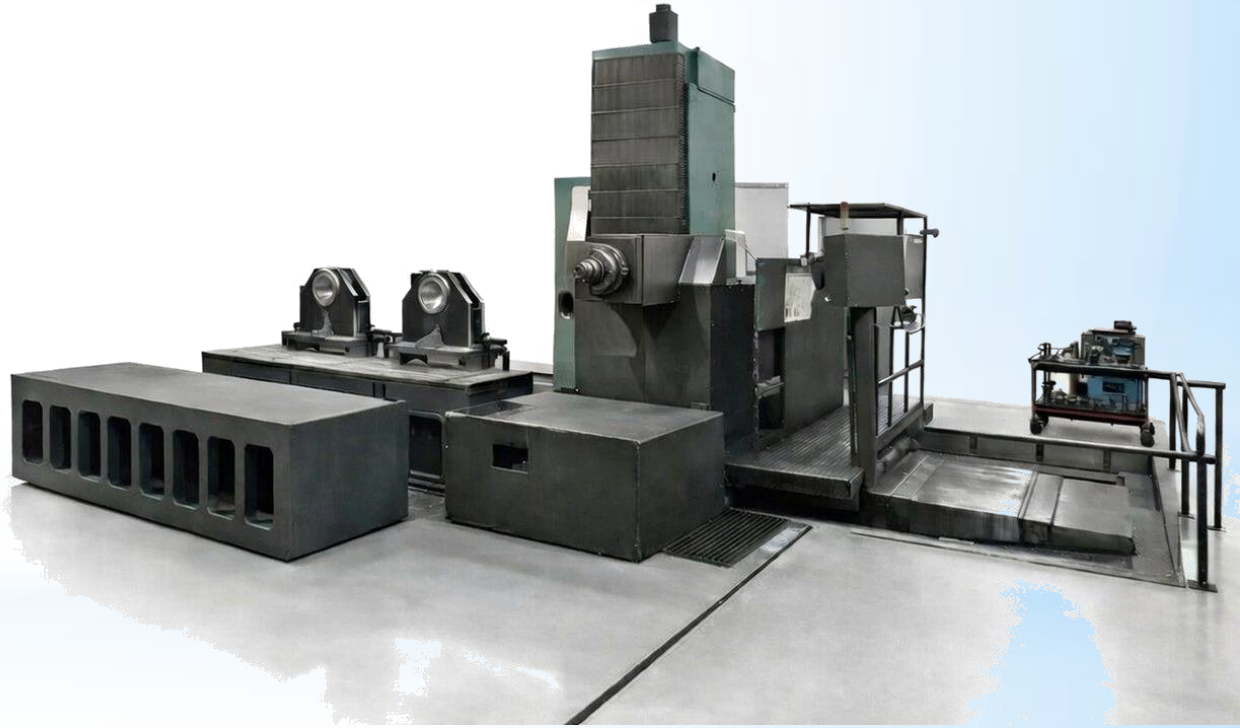
Technical Specifications
X Axis: 12,000 mm
Y Axis: 2,400 mm
Z Axis: 1,800 mm
Optional Ram Head Attachment

SHARMANN Horizontal CNC Machining Center

Designed for heavy industry applications, this CNC horizontal boring and machining center ensures precise and reliable machining of large-scale components with its high-rigidity structure and extensive machining capacity. Its robust column design and stable guideway system minimize vibration, delivering superior surface quality and consistent performance.

The heavy-duty table structure is engineered for high load capacities, providing secure support for large and long workpieces. With precise positioning accuracy and excellent repeatability, it guarantees dimensional reliability in demanding operations.

Ideal for large-scale components in the energy, mold, defense, machinery manufacturing, and heavy equipment sectors, this system enhances productivity and flexibility. Its multi-face machining capability in a single setup significantly reduces production time and increases operational efficiency.



Technical Specifications
X Axis Travel: 4,900 mm
Y Axis Travel: 800 mm
Z Axis Travel: 1,550 mm
Rotary Table

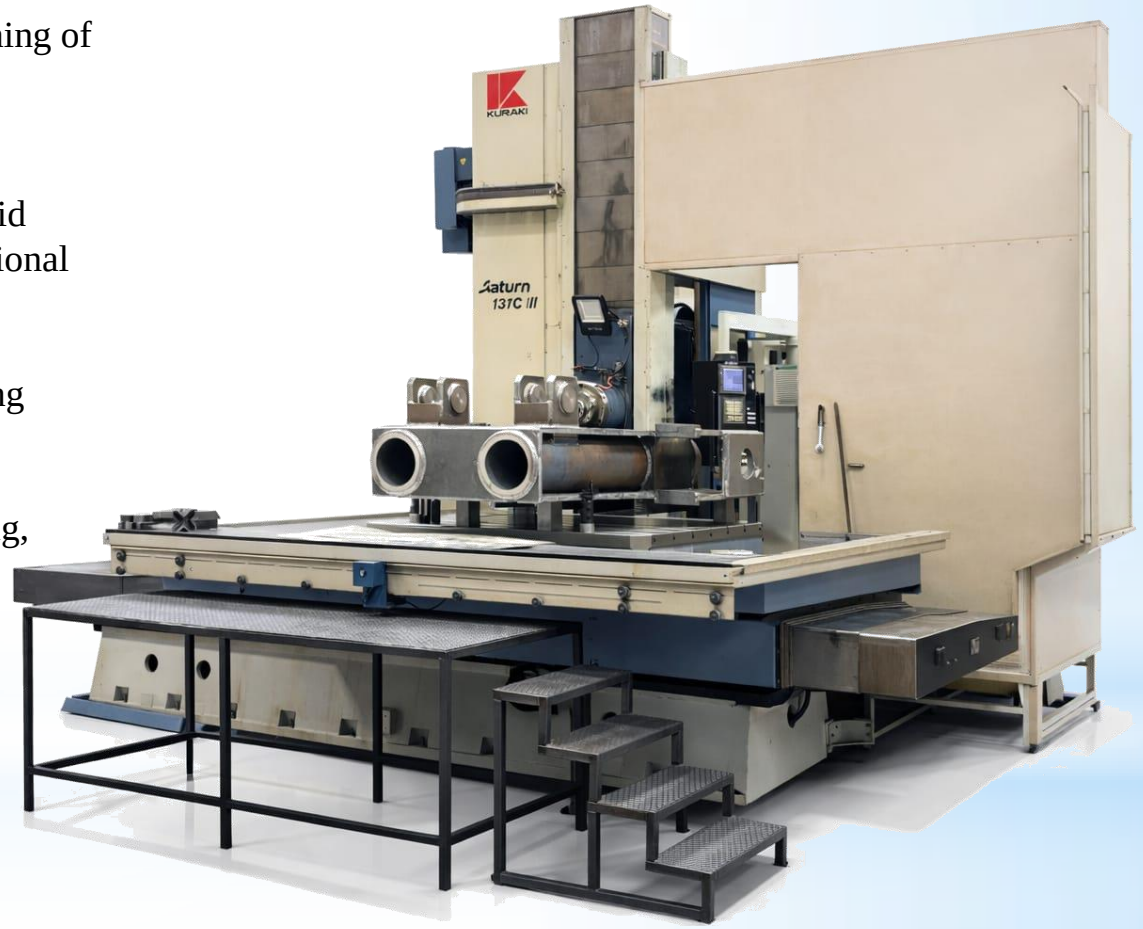
KURAKI Horizontal CNC Boring and Machining Center

An industrial CNC machining center designed to enable single-setup machining of large-scale components with its spacious working envelope and high load capacity.

Equipped with precision linear guideways, a powerful spindle unit, and a rigid machine structure, it delivers superior surface quality and repeatable dimensional accuracy.

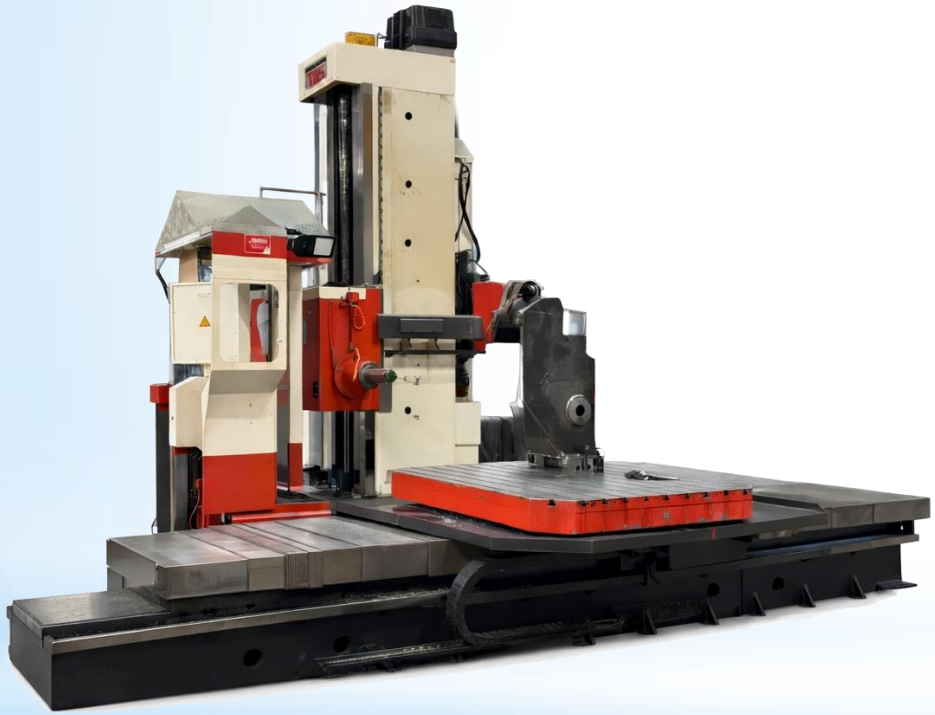
The integrated rotary table provides multi-face machining capability, reducing production time while increasing operational efficiency.

It offers a strong and reliable solution for heavy industry, mold manufacturing, machinery production, and all applications requiring large-part machining.



Technical Specifications
X Axis: 3,000 mm
Y Axis: 1,600 mm
Z Axis: 2,000 mm
Rotary Table

TOS Horizontal CNC Boring and Machining Center



A professional CNC machining center designed for the precise machining of large and heavy workpieces, featuring a high-rigidity machine structure.

Its extended axis travels allow large components to be machined in a single setup, while its robust construction ensures stable and reliable performance during heavy-duty cutting operations.

The integrated rotary table enables multi-face machining in one setup. With ram head compatibility, it provides flexible operation for deep and angular machining applications.

An ideal, powerful, and versatile CNC solution for mold manufacturing, defense, automotive, and heavy industry applications.

Technical Specifications
X Axis: 3,500 mm
Y Axis: 1,500 mm
Z Axis: 2,100 mm
Rotary Table
Optional Ram Head

HURON SXT Swivel Head CNC Machining Center

Designed for high-precision machining of large-scale and heavy workpieces, this gantry-type CNC machining center delivers maximum rigidity and stability with its robust machine structure and extended axis travels. The bridge (gantry) construction minimizes vibration, ensuring stable, repeatable results and superior surface quality even during heavy-duty cutting operations.

Its spacious working envelope and long table design allow large components to be machined in a single setup, reducing production time while enhancing accuracy. The high-torque spindle provides a wide range of applications, from heavy roughing operations to fine finishing processes.

The tilting head configuration enables multi-angle machining, allowing complex molds, machine frames, and special components to be processed in a single setup.



Applications:
Heavy-duty material removal, mold machining, large-part milling. Ideal for automotive, defense, mold manufacturing, energy, and general machinery industries requiring high precision and reliability.

Technical Specifications
X Axis Travel: 3,000 mm
Y Axis Travel: 900 mm
Z Axis Travel: 1,300 mm
Tilting Head

DMU 60 monoBLOCK CNC Machining Center

The DMU 60 monoBLOCK is a compact 5-axis CNC machining center developed for applications requiring high precision and maximum rigidity. Its advanced kinematic design enables the machining of complex geometries in a single setup, reducing cycle times while ensuring superior dimensional accuracy.

The monoBLOCK structural concept provides exceptional stability and vibration damping performance, allowing outstanding surface quality even during demanding cutting operations. The optimized working envelope and circular table configuration ensure flexibility for a wide range of components across various industries.

The high-performance spindle delivers balanced and reliable results in both roughing and finishing operations.

The DMU 60 monoBLOCK is an ideal solution for high-precision industries such as mold making, aerospace, automotive, medical, and precision component manufacturing. With its robust construction, long-lasting mechanical system, and productivity-enhancing design, it effectively meets the requirements of modern manufacturing facilities.



Technical Specifications
X Axis Travel: 810 mm
Y Axis Travel: 430 mm
Z Axis Travel: 240 mm
Tilting Head
Rotary Table

SHW CNC MACHINING CENTER WITH ROTARY HEAD AND TABLE



The SHW CNC milling machine, featuring a highly rigid body structure, is designed for the precision machining of large-sized and heavy workpieces.

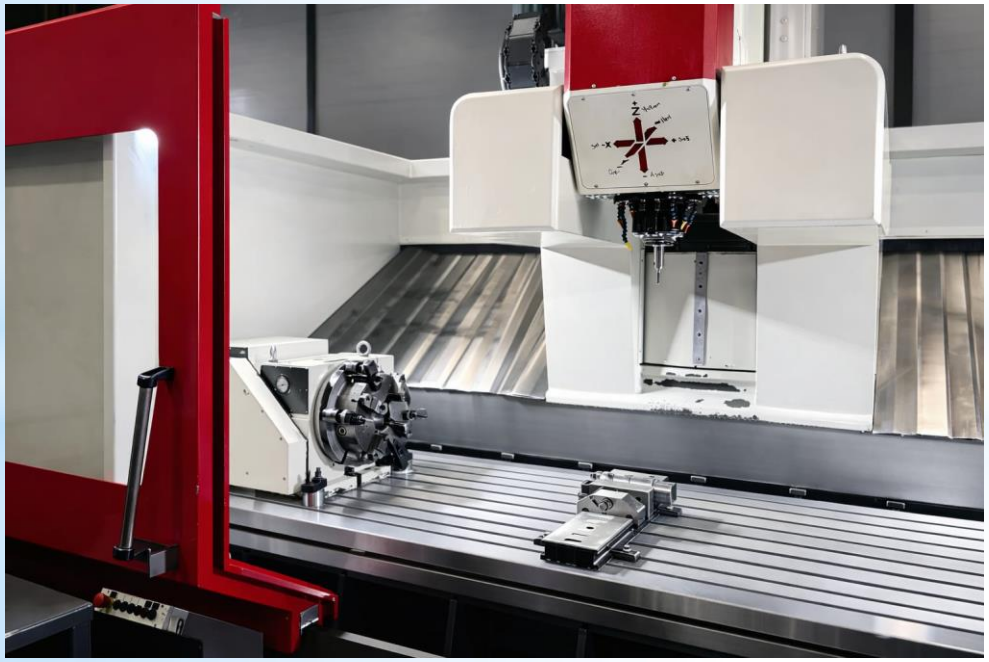
Equipped with a rotary table and an articulating (angular) milling head, it enables multi-sided machining operations at various angles—all within a single setup. Through its CNC-controlled axis movements, the machine supports milling, drilling, and boring operations.

Its high-rigidity frame, combined with a rotary table and an adjustable head system, offers versatile machining capabilities. By allowing for angular and multi-sided operations in a single setup, it significantly reduces workpiece fixturing times. Supporting milling, drilling, and boring processes, the machine ensures high operational efficiency in heavy industry and the manufacturing of large-scale components.

Technical Specifications
X-Axis Travel: 1500 mm
Y-Axis Travel: 1040 mm
Z-Axis Travel: 750 mm
Rotary table
Tilting Head

HEDELIUS BC 100 Vertical CNC Machining Center (with Rotary Indexer)





This bridge-type CNC machining center features a high-rigidity monoblock structure and is designed for the precise and stable machining of large-scale and heavy workpieces.

With its extended axis travels and integrated rotary indexing system, it enables multi-axis operations to be performed in a single setup. The machine offers advanced machining capabilities, allowing multi-face, angular, and indexed operations to be completed in one clamping, ensuring high-precision production of complex and large components.

The heavy-duty, high-rigidity machine construction minimizes deformation under cutting forces, providing excellent dimensional stability. Its vibration-resistant mechanical structure ensures stable performance even at high cutting parameters.

Technical Specifications
X Axis Travel: 3,900 mm
Y Axis Travel: 800 mm
Z Axis Travel: 1,000 mm
Table Type: Rotary Indexing Table / Rotary Table

HEDELIUS CB 60 Vertical CNC Machining Center



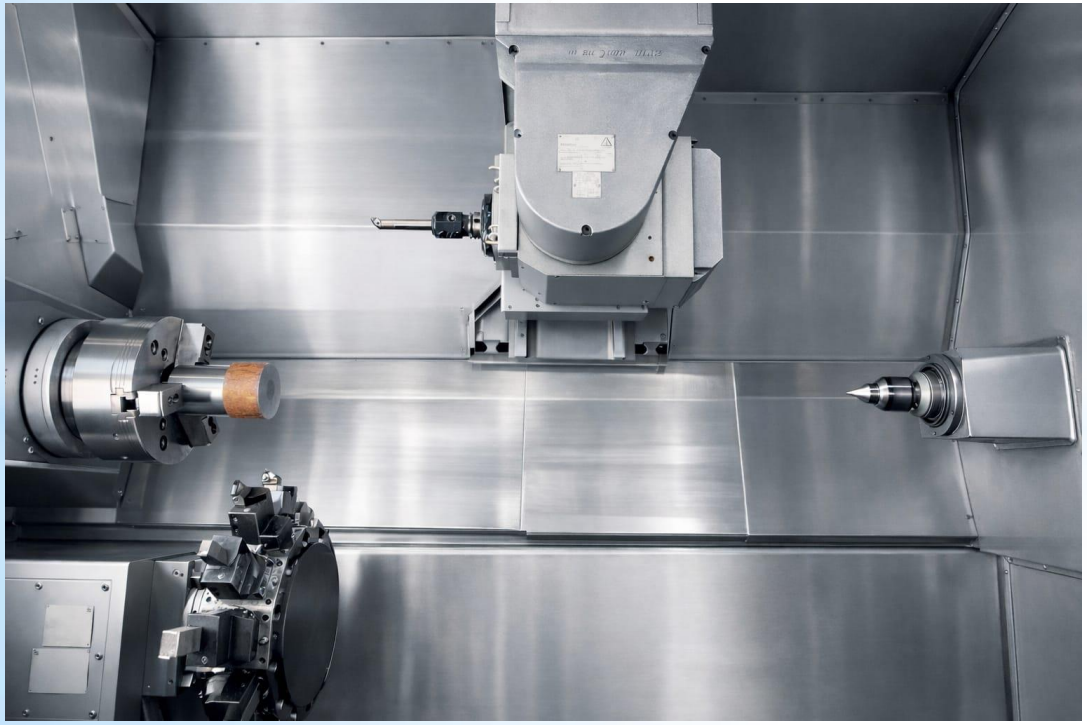
The HEDELIUS CB 60 is a reliable CNC machining center designed for heavy-duty machining operations, featuring a high-rigidity machine structure and precise motion capability. Its robust mechanical construction delivers high material removal performance while ensuring superior surface quality and repeatable accuracy.

The fully enclosed cabin design enhances operator safety, while the wide viewing area and ergonomic control panel provide ease of operation. With stable performance in serial production and long-term machining processes, it enables efficient and sustainable manufacturing. Strength, precision, and productivity combined in a single machine.

Technical Specifications
X Axis Travel: 2,000 mm
Y Axis Travel: 500 mm
Z Axis Travel: 600 mm

GILDEMEISTER CNC Turning Center with C and Y Axes





This CNC turning center with C- and Y-axis capability delivers high precision and versatile machining performance, enabling turning, milling, drilling, and grooving operations to be completed in a single setup.

The C-axis allows precise angular positioning for indexed operations, while the Y-axis enables off-center milling applications with high accuracy.

Its rigid machine structure, high-torque spindle system, and multi-station tool turret ensure maximum productivity and reduced cycle times in serial production. It provides a fast, precise, and cost-efficient manufacturing solution for complex components.

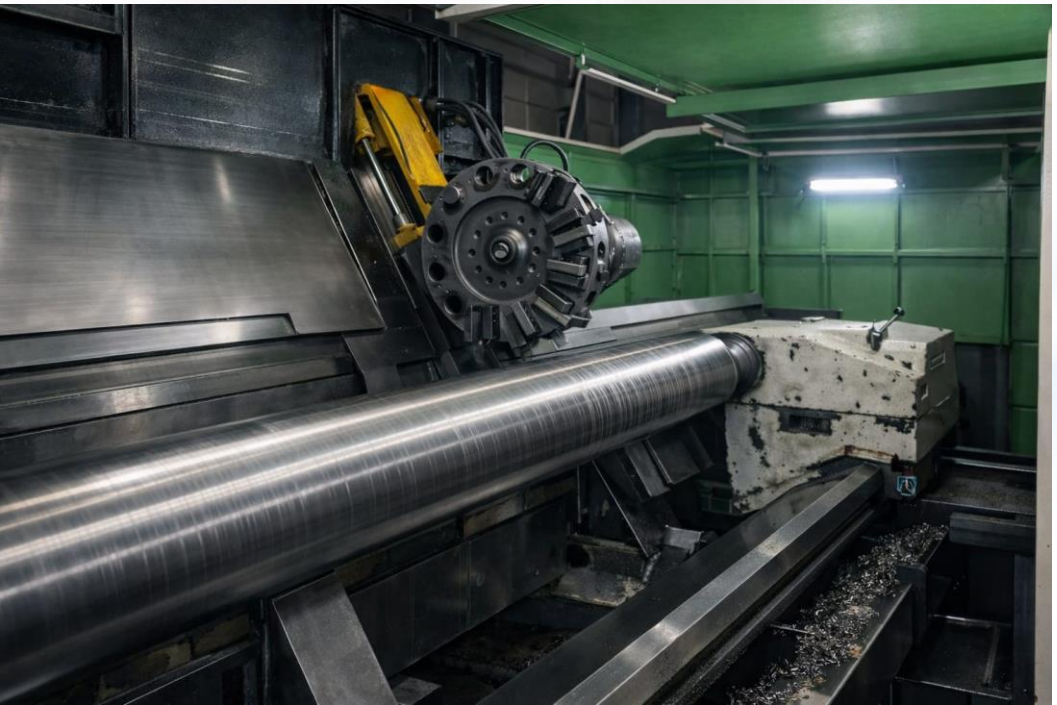
With accurate axis movements and excellent surface finish quality, the machine is ideally suited for applications requiring tight tolerances.

It is a professional CNC turning solution suitable for automotive, defense, energy, and general machinery manufacturing industries.

Technical Specifications
Maximum Turning Diameter: Ø600 mm
Turning Length: 1,700 mm

HEYLIGENSTAEDT CNC Turning Center





Designed for the high-precision machining of large-diameter and long workpieces, the HEYLIGENSTAEDT CNC Turning Lathe stands out with its heavy-duty machine structure and high-torque main spindle system, making it ideal for demanding industrial applications. The stress-relieved, rigid cast iron bed minimizes vibration even under high cutting forces, ensuring dimensional stability and long-term machining accuracy.

The main spindle and drive system are optimized for challenging operations, featuring a high-torque spindle motor and a robust power transmission mechanism suitable for heavy material removal. Its wide speed range enables optimal cutting parameters across various materials, while the capability to operate with large-diameter chucks and a powerful tailstock system ensures maximum stability when machining heavy and long workpieces. Particularly in the machining of large-diameter steel shafts and forged components, the high torque capacity delivers superior cutting performance.

Hardened and ground guideways provide excellent surface finish quality and extended service life. Even during deep cutting passes, the machine maintains stable performance and high material removal rates, significantly enhancing production efficiency.

It is a powerful, durable, and high-performance machining solution for the energy, iron & steel, and heavy machinery manufacturing industries.

Technical Specifications
Maximum Turning Diameter: Ø900 mm
Turning Length: 5,500 mm

Vertical Turning Lathe (NC / Heavy-Duty Type)



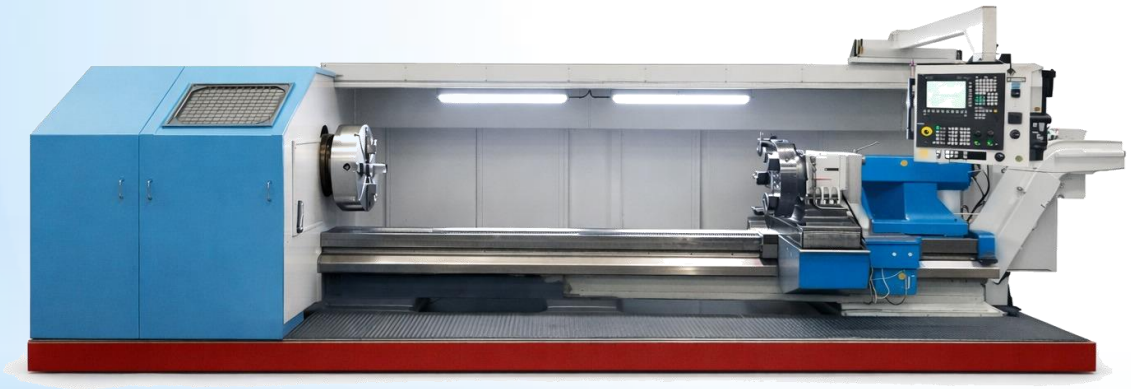
This vertical turning lathe is designed for the high-precision machining of large-diameter and heavy workpieces.

Its rigid machine structure and wide rotary table provide exceptional stability and vibration-free cutting performance. The high-torque spindle and powerful drive system ensure maximum productivity in both roughing and finishing turning operations.

It is an ideal solution for energy, defense, machinery manufacturing, and heavy industry applications.

Technical Specifications
Maximum Turning Diameter: Ø2,000 mm
Maximum Turning Height: 1,200 mm

WEISSER CNC Turning Center



Designed with high precision and a rigid machine structure, this CNC turning center delivers outstanding performance in both serial production and single-part manufacturing processes. Its robust mechanical construction and advanced CNC control system ensure stable, vibration-free, and repeatable results, even during heavy-duty cutting operations.

The spacious working area and powerful tailstock support enable secure and balanced machining of shafts, spindles, and cylindrical components. Precise axis movements provide excellent surface finish quality and make the machine ideal for applications requiring tight tolerances.

Technical Specifications
Maximum Turning Diameter: Ø600 mm
Turning Length: 3,500 mm

CNC Vertical Turning Center



The CNC vertical turning lathe is designed for the precise and efficient machining of medium- and large-diameter workpieces.

Its rigid machine structure and powerful table drive system ensure vibration-free and stable cutting performance. The high-torque spindle enables high-quality surface finishes in both roughing and finishing turning operations.

The advanced CNC control unit provides user-friendly programming and high repeatability. The machine is an ideal solution for machinery manufacturing, general industrial applications, and precision component production.

Technical Specifications
Maximum Turning Diameter: Ø800 mm
Maximum Turning Height: 700 mm

MONFORTS CNC Turning Center



The MONFORTS CNC Turning Lathe is designed for turning operations requiring high precision, stability, and long-term performance. Its rigid machine structure, engineered with German manufacturing standards, ensures vibration-free operation and superior surface finish quality.

The high-torque spindle delivers powerful and balanced cutting performance in both roughing and finishing operations.

The CNC control system provides user-friendly programming, high repeatability, and process reliability. The MONFORTS CNC turning lathe is an ideal solution for automotive, machinery manufacturing, energy, and general industrial applications.

Technical Specifications
Maximum Turning Diameter: 450 mm
Turning Length: 1,000 mm

GILDEMEISTER NEF 560 CNC Turning Center



The GILDEMEISTER NEF 560 CNC Turning Lathe is designed for turning operations requiring high precision and reliability. Its rigid cast iron machine structure ensures vibration-free operation and superior surface finish quality. The high-torque spindle and robust drive system provide high productivity in both roughing and finishing turning processes.

The CNC control system offers user-friendly programming, high repeatability, and process reliability. It is an ideal solution for automotive, machinery manufacturing, energy, and general industrial applications.

Technical Specifications
Maximum Turning Diameter: 560 mm
Turning Length: 1,000 mm