ABOUT US

Welcome to Mechknow Industries, your trusted partner for precision engineering and cutting-edge solutions. With our state-of-the-art facilities and a highly skilled team, we provide a wide range of services, including laser cutting, plasma cutting, bending, turning, and milling.

CNC PLASMA & OXYFUEL (MESSER)

We rely on the Messer plasma cutting machine for precise metal cutting in our operations. With its advanced features, it enables efficient and accurate shaping of various metal materials. The machine's high-velocity plasma jet delivers clean and precise cuts, allowing us to create intricate designs, straight cuts, and complex contours with consistency.

Oxyfuel Plasma
MS upto to 300mm
Plasma upto 85mm
Tolerance = + - 1mm

CNC BENDING (TRU BEND 1225)

The TRUBEND 1225 machine has greatly enhanced our tube bending capabilities, enabling precise and efficient bending for various applications. Its advanced features and automation capabilities have significantly increased productivity and accuracy. With the ability to handle a wide range of tube sizes and materials, it meets diverse industrial needs. We have successfully utilized the TUBEND 1225 for complex bending operations, including multi-radius and tight radius bends, while maintaining excellent quality.

Length-4100mm
Load-76kn
Cpacity 225
Bending Thickniss upto 20mm

LINCOLN 500

The Lincoln 500 welding machine has revolutionized our organization's welding processes. With its robust construction and versatile capabilities for stick and flux-cored welding, it meets a wide range of project requirements. The high-output power source delivers ample welding current, enabling us to handle different materials and thicknesses effortlessly. Precise control over voltage and amperage settings ensures optimal results. The user-friendly interface simplifies setup and operation, boosting efficiency.

CNC Laser Cutting (Tru Laser 1030)

The TRULASER 1030 4KW machine has been successfully installed and integrated into our company's operations, delivering precise laser cutting capabilities. With its powerful 4-kilowatt output, it efficiently cuts a wide range of metal materials with excellent edge quality. The machine's user-friendly interface and advanced control systems streamline operation and programming, optimizing productivity. Its compact design is well-suited for our production needs, and its versatility allows us to handle thick metal sheets.

MS 0.1mm to 25mm
SS 0.1mm to 25mm
Alu 0.1mm to 20mm
BRS 0.1mm to 8mm
Copper 0.1 mm to 8mm

Tolerance = + - 0.1mm
Bed size 3000x1500

CNC MILLIMG (DOOSAN DNM 5700)

Our organization relies on the DNM 5700 machine for precision machining tasks, and it has become an invaluable asset in our operations. With its rigid and reliable platform, the DNM 5700 ensures exceptional accuracy and surface finish. Equipped with a powerful spindle and high-speed cutting capabilities, it delivers efficient material removal and optimal productivity. The machine's versatility allows us to handle a wide range of machining tasks, catering to diverse industries and applications.

All Material   Bed Size x-1050mm
y-560mm
Tolerance = + - 0.02   z-520mm

CNC TURNMILL
(DOOSAN PUMA GT 2600LM)

The Doosan PUMA GT2600LM Turn Mill machine hassignificantly enhanced our organization's machining capabilities. With its combination of turning and milling functionalities, it offers versatility and efficiency in our operations. The powerful spindle and advanced turret enable precise and complex machining tasks, accommodating various workpiece sizes and materials. The machine's multi-axis capability reduces cycle times, enhancing overall productivity.

All Material   OD DIA-450mm
Length-1000mm
Tolernce = + - 0.02

RADIAL MACHINE

versatile tool commonly used in machining and metal working applications. Its primary function is to drill holes in various materials, but it can also perform other operations like reaming, tapping, and counterboring. Here's a more detailed overview of the features and functionalities of a Radial Drilling Machine

The machine consists of a radial arm that can be rotated around the column and adjusted vertically on a robust column.

A drill head is mounted on the radial arm, allowing it to move along the arm and position the drill spindle precisely over the workpiece.

One of the key advantages is its flexibility in handling large and heavy workpieces due to the adjustable radial arm. The machine allows for drilling at various angles and positions, making it suitable for a wide range of applications.

BAR CUTTING MACHINE

Bar cutting machine is an essential tool in the construction industry designed for cutting steel bars or reinforcement bars with precision and efficiency. Here's a detailed overview of the features and functionalities of a typical bar cutting machine

Bar cutting machines come in various types, including manual, semi-automatic, and fully automatic models, each catering to different construction needs and work volumes.

These machines typically employ a robust cutting mechanism that can handle the high tensile strength of steel bars commonly used in construction. The cutting blades are made of hardened steel to ensure durability and extended use.

Bar cutting machines are designed to handle a range of bar diameters and lengths, providing versatility for different construction projects.

The cutting capacity is a crucial specification, indicating the maximum diameter of the bars the machine can effectively cut.

NTX 2500

The compactMASTER, the world's shortest tool spindle in its class (350 mm), ensures a wide machining envelop to increase productivity

Wide range of machining area with the X-axis stroke of 675 mm (-125 - +550 mm) and the Y-axis 300 mm (±150 mm)

Y-axis stroke of ±40 mm of Turret 2 expands the machining range

Simultaneous 5-axis machining with the Direct Drive Motor (DDM) on the B-axis

6-face machining is available with Spindle 2 to complete the machining of components on one machine

DMU 125FDS

The duoBLOCK series models are 5-axis machining centers that employ the DMG MORI original highly stable, highly precise duoBLOCK structure. The models are equipped with a cooling mechanism for the ball screw drive to control thermal displacement.

The DMU 125 FD duoBLOCK mounts a ⌀1,250 mm FD swivel rotary table equipped with the direct drive that achieves the max speed of 500 min-1. The model ensures highly stable and highly precise milling and turning.

The monoBLOCK series models are 5-axis machining centers suited to workpieces in various fields such as the aerospace, energy, medical component and automotive industries. The models employ a unique, ergonomically designed structure, which contributes to superior workability and operability

MACH 500

The Mach 500 is unmatched in accuracy, quickness and speed, making it your most productive solution. The system is revolutionary in terms of reliability and productivity, backed by the only comprehensive service program in waterjet. Uniquely flexible, the Mach 500 can be everything you want, or just what you need.

Fully integrated into the Mach 500, FlowXpert is a 3D modeling CAD/CAM software suite.

- Import any CAD file
- Build your own CAD file
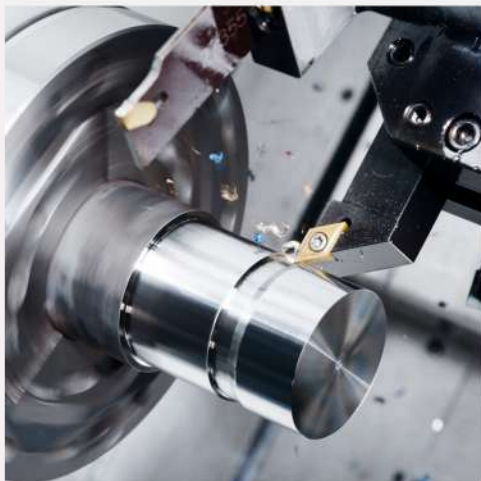- Create a CAD file from an image you import

TRUPUNCH 1000

The TruPunch 1000 is the perfect entry to professional punching. The compact machine excels with its high level of processing flexibility: In addition to just punching, you can also use it to form threads, extrude, and bend flanges. You can process midsize sheets completely in one tool setup without repositioning. You can even produce smaller orders and lot sizes economically, quickly and with flexibility.

- Ready for numerous applications
- Versatile tools
- Simple operation

The TruPunch 1000 masters all of the relevant applications of a TRUMPF punching machine.TRUMPF offers top quality punching tools such as the MultiTool or the MultiShear slitting tool.The intuitive control enables the immediate production of simple and complex parts.

Get In Touch

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