



more than innovation

2022

MACHINING



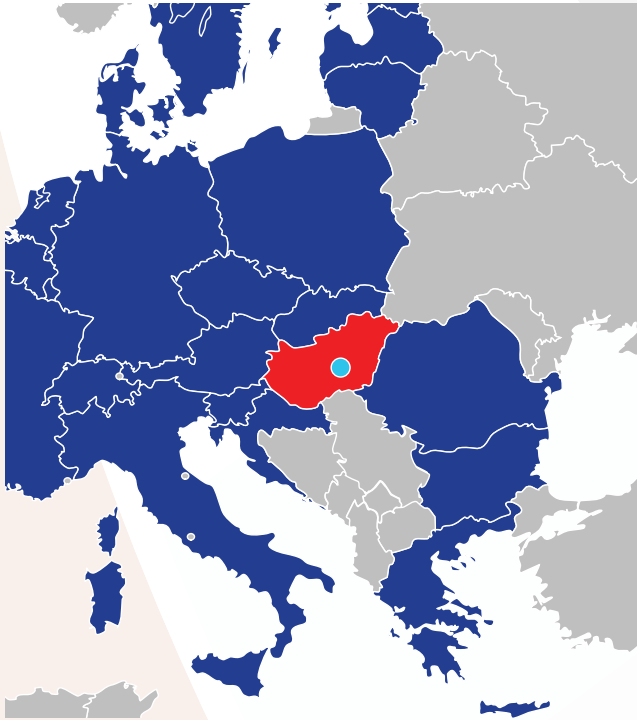
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CUSTOM MANUFACTURING

In view of our machine tools' opportunity we can ensure the manufacturing of high-precision parts and the processing of small, medium and large workpieces. With our machines, which are suitable for 2D, 2,5D, 3D and 5D cutting, we are able to produce a wide variety of parts. For our technology we use various 3D-models, which are made available in our CAD/CAM-System by our customers, to increase our efficiency.

PROTOTYPE

Besides wage work, we undertake the initial manufacture of individual prototype products, based on model or drawing, machining optimization including tools and technology. All machined parts are delivered including 3D coordinate measurement certificate.

DEVICE MANUFACTURING

Machining or measuring of complex parts may require various devices, therefore our engineers strive to develop the simplest yet most efficient devices. We have gained considerable experience through creating our own devices, which we use in single and series production. Our company undertake the design, production and installation of hydraulic and pneumatic devices as well.

SERIAL PRODUCTION

Our machine park is also capable of medium and large series production according to market demands. In series production, generally the most important tasks are the optimization of the machining time and the reduction of the non-productive time. During the processing we pay close attention to process safety and the use of the Poka-yoke principle.

PRODUCTION MANAGEMENT

We use Norma X, a project-based integrated production management system where production and capacity management happens together. This system can be integrated with automated warehousing system.

QUALITY

In order to deliver only the best quality products, we use Renishaw PH20, a measuring room with 5-axis probing system.



Cursor CNC Zrt. has appeared on the market with OKUMA CNC machining centers utilizing their intelligent technologies. We undertake the machining of both small and large workpieces as well as the design and production of unique parts. Our machine park provides the opportunity for prototype and also mass producing. The production of complex, high-precision parts are assured by our machining centers, even based on 3D model.

On our OKUMA double column machining center we are able to machine welded constructions, or even cylindrical parts up to a length of 5000 mm.

We strive to always fulfill customer requirements offering flexibility and constant improvement. This flexibility enables swift quotations and high-quality execution.

The primary goal of our company is to employ qualified professionals who have many years of experience in their own field respectively.



**OKUMA GENOS M560-R-V**

3-axis vertical machining center, used for cutting plate and block type parts. Due to the capabilities of the machine, we are prepared to produce several parts from various quality of materials. Due to the high RPM, we can comply with the shape and position tolerances from profile machining to 3D milling. Due to the high pressure cooling system, we can also produce deep drilling and special holes.

**OKUMA GENOS M460V-5AX**

This next generation 5-axis vertical machining center belongs to the most modern and advanced machines of the OKUMA family and it is specifically designed to protect not just the workpieces but also the machine. The machining center is suitable for the production of complex parts by one clamping and because of the high RPM and the rigid construction, it has also the possibility to produce high precision parts with excellent surface. The increased spindle speed with high torque insures the fast and efficient chip removal. We recommend this machine mainly for small and medium series production.

**OKUMA LB3000 EX II**

This machine belongs to the group of CNC lathes, has Y-axis and driven tool as well. It is suitable for machining small and medium-sized parts. The robust construction of the machine enables to turn with high depth of cut. The advantage of Y-axis is, that axial drilling and milling can be machined with one clamping. The machining accuracy is supported by thermal stability system.

**OKUMA MULTUS U3000**

This lathe with B-axis is one of the recent developments from OKUMA. This machine is suitable for the production of parts such as disc and parts made of cast. The B-axis is able to go around the whole workpiece, thus reducing the machining time. More sides can be produced at one setting because this machine is able to make the axial, radial and angles drilling and milling. It has also Skiving function, enabling external and internal gear cutting.

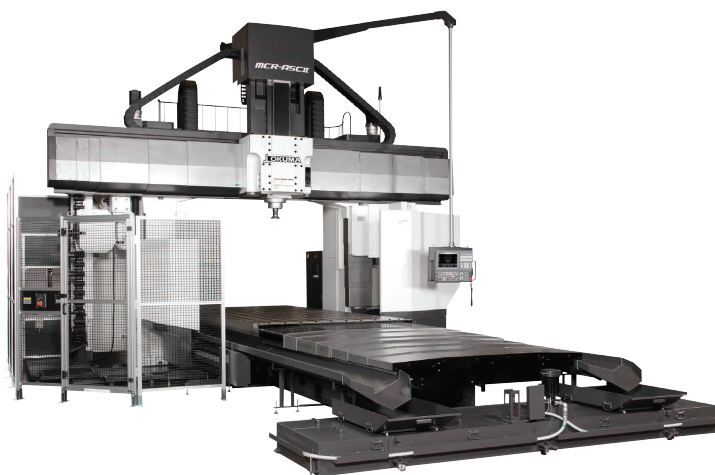


Table size [mm]	1,300 x 560
Spindle speed [min-1]	15,000
Axis travel [mm]	X: 1,050 / Y: 560 / Z: 460-660
No. of tools	32
Rapid traverse [m/min]	X: 40 / Y: 40 / Z: 32
Motor (VAC) [kW]	22/18.5
Floor space [mm]	2,564 x 3,194

Table size [mm]	Ø 400
Spindle speed [min-1]	15,000
Max machining volume [mm]	X: 762 / Y: 460 / Z: 460
Magazine capacity	32
Rapid traverse [m/min]	X: 40 / Y: 40 / Z: 32
Spindle motor power [kW]	22/18.5

Max. turning diameter [mm]	410
Max. turning length [mm]	1,000
Spindle speed [min-1]	5,000
No. of tools	12
Rapid traverse [m/min]	X: 25 / Z: 30
Motor (VAC) [kW]	22/15
Floor space [mm]	2,340 x 1,749

Max. turning diameter [mm]	650
Max. turning length [mm]	1,100
Spindle speed [min-1]	5,000
No. of tools	40
Rapid traverse [m/min]	X: 50 / Y: 40 / Z: 50
Motor (VAC) [kW]	22/15
Floor space [mm]	4,925 x 2,995

OKUMA MCR-A5CII

Double-column machining center, what is able to do the 5-sided machining, because of the two axis spindle-head and it also has a big machining range. This machine has got the OKUMA's market-leading technologies (Thermo Friendly Concept, Servo Navi and Machining Navi), ensuring high accuracy and rigidity for the optimal machining of the product. It is used for machining sheet metal forming and injection moulding tools, side walls and welded structures. The machine is serviced by a crane with a load capacity of 25 tons.

Table size [mm]	2,000 x 5,000
Distance between columns [mm]	2,650
Spindle speed [min-1]	6,000
No. of tools	80
Rapid traverse [m/min]	X: 30 / Y: 32 / Z: 20
Motor (VAC) [kW]	26/22
Attachment heads	3pcs straight, 90°, B1 C1 5AX
Axis travel [mm]	X: 5,200 / Y: 3,100 / Z: 800



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