

We offer 3 ranges of routers different in terms of their unique construction, performance and price composition. A team of professionals experienced in the development and application of CNC routers provide their services in the production of both standardized machines and tailor-made systems. The equipment is based on the requirements of your production, making your customer satisfied with the finished product. Since multifunctionality is our philosophy, you only need one machine to route, engrave, cut with a knife, crease or scan.

COMAGRAV ZONDA PLUS

Professional and cost-effective CNC routers

COMAGRAV ZONDA PLUS increases production rate thanks to its higher performance achieved by powerful drive components and spindles. Optional automatic tool change minimizes requirements for operating personnel and speeds up the manufacturing process. Optional accessories includes camera system for your print and cut workflow.

COMAGRAV NOTUS

Professional CNC routers with servo motors and multifunctional equipment

- COMAGRAV NOTUS CNC router is created for woodworking jobs, aluminium, steel and tough plastic fabrication.
- Optional cutting and tangential heads makes NOTUS true multifunctional machine, covering wide range of materials that can be machined - where spindle cannot be used.
- Servo motors in all axes constitute an excellent power source for this professional system.

COMAGRAV NOTUS PLUS

Top-of-the-range CNC routers for professionals. Exceptional-performance servo drives and quality without compromise. Our professional range of COMAGRAV NOTUS PLUS routers comes with the controlling unit PILOT Advanced providing maximum dynamism and superior cuts which will guarantee the highest quality for your customers.

- COMAGRAV NOTUS PLUS is an efficient CNC router for the most demanding professional users. Its construction makes it especially fit for machining plastic, wood, aluminium alloys and sandwich composites.
- A high-performance oscillating knife cuts foam, corrugated cardboard, paperboard, rubber, seal materials and other materials with specific requirements.
- COMAGRAV NOTUS PLUS benefits from heavy construction of its steel base manufactured by precision welding of extremely thick steel profiles which ensures extreme rigidity and stability during operation. With weld stress relieved in the steel chassis, the machine geometry remains unaffected by external conditions for all its service life and frame resonance during operation does not occur. Guides for linear bearings and positioning mechanism are routed in the frame and level surface for work table assembly is machined.
- Steel gantry makes additional difference in cut quality and stability against basic NOTUS CNC router. We recommend this high-end solution for machines with multiheads.

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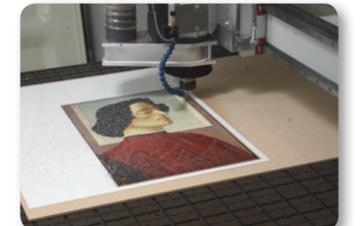


Manufacturer
COMAC spol. s r.o.
Spojovací 362, CZ-257 21
Poříčí nad Sázavou, Czech Republic
Tel: +420 317 778 022, +420 603 252 084
e-mail: info@comagrav.com

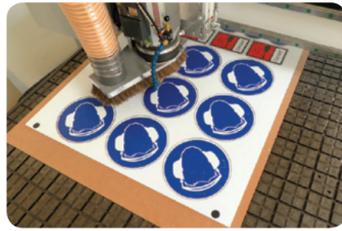
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CNC ROUTERS



FROM ECONOMICAL CNC ROUTERS TO SOPHISTICATED CUSTOM-BUILT SOLUTIONS, THESE ARE COMAGRAV MACHINES.



Camera system for printmarks



Automatic Z sensor



Control panel for serial production

COMAGRAV routers can be equipped with modern devices suitable for routing, cutting, scanning etc. Equipped to meet the wishes and production needs of our customer, each COMAGRAV router becomes a unique tool. The most popular equipment options include a 9 kW routing spindle with pneumatic clamping and carousel storage for automatic tool change.

As moving across the whole area of the work table is not required for every tool change, tools stored in carousel are easily accessible. Machining materials exceeding the work table length is possible as well. Our second solution of tool storage - linear storage helps save overall dimensions and reduce costs.

Its large working area and short Z-axis shifting distance make a standard CNC router a natural choice for routing panel materials. COMAGRAV offers 140 mm gantry clearance as standard, which makes it ideal for 3D machining and model making. Needless to say, all COMAGRAV machines work in 3D. As a result, COMAGRAV routers can be used for routing solid timber reliefs, MDF and resin models, foam cuttings, polystyrene facade decorations etc.

Optional equipment includes a high-powered oscillating knife which excels in cutting corrugated cardboard, foam, rubber and paperboard and enables custom seal fabrication. Its 8 mm shifting distance and a frequency of 9,000 blows per minute guarantee admirable performance. A high-pressure vacuum table is used for cutting, which is the same table used for routing, only here a professional cutting mat is added, ensuring that no motion of material occurs during cutting.

A wide range of creasing wheels and tangential knives is available for installation and future upgrades! We also offer a kiss-cut tool for sheet plastic cutting or a V-cut tool for angle-wise cutting of modern lightweight materials which can then be easily bent. In this way, sophisticated POS and POP creations are manufactured. For machining fibrous materials, such as glass fabrics, for banners and similar materials we install motorised cutting disc which ensures safe and high-quality cutting of the required shapes.

In advertising a camera system is a sought-after equipment option. In cooperation with both the spindle and the oscillating knife, it secures precision cutting in the designated area. This makes the COMAGRAV system a universal tool for Print & Cut. If you are considering purchasing a digital flatbed printer, a CNC router by COMAGRAV is a natural complement.

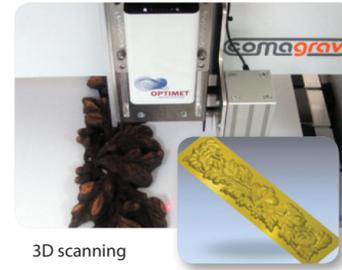
Our equipment range includes tools for 3D modelling, namely a rotation adapter for fourth-axis machining and 3D scanners for highly accurate surface scanning. The rotation adapter serves as a tool for routing cylindrical parts and finds its application in refined furniture manufacturing. It is equally suitable for routing slots and holes in pipes and rolled tubes and for machining components where revolving motion is required during operation. All COMAGRAV machines can be equipped with a 3D laser scanner, enabling easy, fast and accurate scanning of an intricate surface and its transfer to CAD/CAM software for adjustments, calculation of toolpath or model copying. Since a 3D scanner is capable of precision capturing, you will find it particularly useful in producing replicas of works of arts or in their digital archiving. The scanner significantly increases serial production of hand-crafted originals by assisting in production of routed models that can be easily retouched to give a hand-made impression. Depending on the applied lens, it is able to scan with astonishing accuracy starting at 0.002 mm!

Upon request, your machine can be equipped with pneumatic stopping valves facilitating material machining in serial production.

COMAGRAV machines are easy to operate using PILOT 3D controller for Windows, not requiring any specialized qualifications. Data for routing and cutting are downloaded from CAD/CAM software (Delcam ArtCAM included in standard equipment). For industrial use and multishift operations we offer special control panels which can be operated even by a complete novice.

Ask us about the price of yours-to-be CNC router now.

Based on your wishes and requirements, we will offer you the best type and equipment.



3D scanning



Rotary adapter



Multifunctional head for cutting



Engraving



Routing of acrylic



3D modelling



Cutting of signage



Routing of Alucobond



Cutting with oscillating knife



Production of industrial signage



Production of panels and parts



3D milling

APPLICATIONS



COMAGRAV
ZONDA PLUS



COMAGRAV
NOTUS PLUS



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