

COMAGRAV NOTUS PLUS is a flagship in our family of CNC routers. Our developers assembled all positive experiences from previous models and designed this masterpiece. COMAGRAV NOTUS PLUS is fast, reliable and affordable CNC system. Sophisticated devices like AC servo motors, helical racks in standard, high precision planetary gearboxes and unique list of options makes this machine unbeatable solution for all professionals. Reliability is the word that is in our company inflected very often. We don't just produce and sell CNC systems, we produce CNC systems that lasts for years. Cooperation with our customers is important for us and for development of COMAGRAV machines.



COMAGRAV NOTUS PLUS 3000 with high pressure vacuum worktable (ATC spindle 6,5 kW 40.000RPM, PROFI cooling system, carousel toolchanger, dust collector for ATC spindles, 6 vacuum zones)

COMAGRAV NOTUS PLUS are 3D CNC routing machines with working tables from 2100 x 1600 mm to 2100 x 4200 mm. It is characterized by heavy steel baseframe, precision and reasonable price. The machine is equipped with many up-to-date solutions. The offer contains various powerful spindles for professional work and spindles with pneumatic clamping for automatic toolchange. The machine is optionally equipped by MULTI option - heads for cutting and creasing. In total the machine is equipped by 3 heads.

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**COMARAV NOTUS PLUS** comes with **heavy steel welded baseframe**, stress-relieved and precisely milled for use of linear guideways and helical rack&pinion positioning system with planetary gearboxes.

COMAGRAV NOTUS PLUS comes equipped with **3D control system PILOT Advanced**, which enables highest possible dynamics and high cutting quality.

We highly recommend this version for all industrial applications.

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COMAGRAV NOTUS PLUS is suitable for routing, engraving, milling and 3D modelling **in metalworking** to cut mechanical components, machine panels, to cut aluminium sheets, etc. **in signmaking** to cut large formats of plastic sheets, alucobond, aluminium, acrylic, wood, reboard, kapa, forex, etc.

**in plastic fabrication** to mill 3D shapes, molds, to cut plastic sheets,

**in modelmaking** to mill prototypes, to cut plastics, wood, to create 3D shapes and reliefs.

**MULTI option** is optional equipment for installation of two independent modules. Depending on required functionality, these modules handles different heads for cutting and creasing. Heads can be also installed later, thus making it easily upgradeable in future.

**Pneumatic oscillating knife** works with carbide knives that are available in more variations depending <https://www.affordable-papers.net/> on material to be cut. We always recommend you before buy to check if the material is easy to cut with COMAGRAV.

Oscillating knife head can be upgraded with **pressure foot**, then the material is pushed down. This helps to fix the material, when only vacuum is not enough or when material tends to stick at knife.

In MULTI option **the universal U1 head** is another option.

The operator can install

- various **creasing wheels**
- **Kiss-cut**
- **V-cut**

Standard COMAGRAV NOTUS PLUS equipment contains powerful AC servo motors in all axis, vacuum working table or aluminium T-slot working table, automatic Z axis sensors, engraving and routing software Delcam ArtCAM Express, open-system 3D controller PILOT Advanced with separate computer. Spindles are optional, same as scanning heads, MULTI heads, camera system and sophisticated softwares.

**Automatic toolchanger**

For ATC spindles we offer linear toolchanger as standard. Optionally we supply carousel toolchanger. Both tool storages stores up to 8 toolholders ISO or HSK. The carousel storage is powered by AC servo motor for best reliability. Automatic toolchanger is available for spindles with pneumatic tool clamping. There are 24.000 RPM and 40.000 RPM versions available.

**MECHANICS**

- 3-axis machine for routing, engraving, cutting and scanning
- heavy construction made of welded steel baseframe
- steel gantry

or

- composite gantry (optional)
- linear ball-bearings, helical rack and pinion drive system with high precision planetary gearboxes
- powerful AC servo motors
- phenolic working table for high pressure vacuum holddown

or

- aluminium T-slot working table with clamps
- double driven Y axis with automatic parallelness homing function of the gantry
- ballscrew in Z axis, AC servo with brake