

**COMAGRAV NOTUS is our mid-range AC servo CNC router. COMAGRAV NOTUS is multifunctional, dynamic, reliable and affordable CNC system.**

Sophisticated devices like AC servo motors, 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 and cooperation with our customers is very important for us and for future development of COMAGRAV machines.



COMAGRAV NOTUS 2030 with high pressure vacuum worktable (MULTI option, pneumatic spindle 3 kW 40.000 RPM, PROFI cooling system, linear toolchanger, dust collector for ATC spindles, 6 vacuum zones)

COMAGRAV NOTUS are 3D CNC routing machines with working tables from 1000 x 1500 mm to 2040 x 3150 mm. It is characterized by rigid steel baseframe, precision and affordable 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.

It comes with **steel baseframe** and steel gantry, all areas are precisely milled for use of linear guideways and rack&pinion positioning system.

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

---

COMAGRAV NOTUS is suitable for routing, engraving, milling and 3D modelling

**in signmaking** to cut large formats of plastic sheets, aluminium, acrylic, wood;

**in metalworking** to create front panels, machine panels, mechanical components, to cut aluminium sheets, 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 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 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
  - rigid steel construction
  - linear ball-bearings, 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
  - high-precision planetary gearboxes in XY axis
  - double driven Y axis with automatic parallelness homing function of the bridge
  - ballscrew in Z axis, AC servo with brake