

comagrav

DIGI CUTTING TABLES



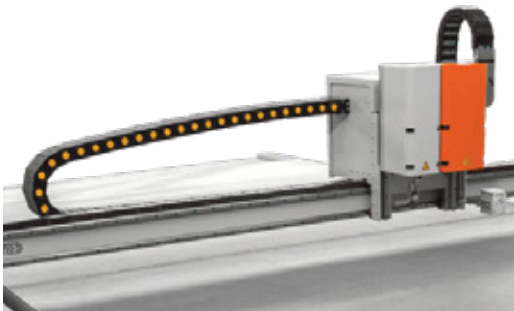
- DYNAMIC CONTROL SYSTEM WITH AC SERVO DRIVES
- REPLACEABLE, UPGRADABLE HEADS
- CUTTING DISC FOR FABRICS, TEXTILES & BANNERS
- AUTOMATIC CONVEYOR
- CAMERA RECOGNITION SYSTEM AS STANDARD
- ROUTER WITH DUST COLLECTOR
- CREASING WHEELS IN DIFFERENT SIZES
- KISS-CUT & V-CUT
- EASY TOOL REPLACEMENT

**POWERFUL
FLATBED
CUTTING
TABLE**

COMAGRAV DIGI is a powerful cutting table designed for cutting digital prints, corrugated cardboards, composite panels, sample making of packaging, production of POP & POS, cutting leather, non-wovens, PE foils, fabrics, banners, foams etc. After several successful years in the CNC engraving and routing machine markets, Comagrav have developed a range of machines that are positioned at the top of the market.

COMAGRAV DIGI reaches high speeds and the complete system works with high dynamics, thanks to the low profile of the gantry and the best servo motors available on the market.

COMAGRAV DIGI has a dual cutting head system that handles both an oscillating knife, which cuts strong materials and a tangential tool with multifunctional possibilities - from cutting vinyl (kiss-cut), over grooves (v-cut) up to creasing wheels - this does it all!



COMAGRAV DIGI camera system is standard on all models, it recognises printmarks and modifies the cutting path where necessary to allow for deformation or misplaced prints

COMAGRAV DIGI 730 watt/24,000rpm router and engraving spindle is an additional option that will easily cut acrylic and other substrates.

- DYNAMIC CONTROL SYSTEM WITH AC SERVO DRIVES
- REPLACEABLE HEADS, UPGRADEABLE IN FUTURE
- OSCILLATING KNIVES ELECTRIC AND PNEUMATIC
- CUTTING DISC FOR FABRICS, TEXTILES, BANNERS
- AUTOMATIC CONVEYOR
- CAMERA RECOGNITION SYSTEM IN STANDARD
- ROUTING SPINDLE WITH DUST COLLECTOR
- CREASING WHEELS IN DIFFERENT SIZES
- KISSCUT
- VCUT
- EASY REPLACEMENT OF TOOLS

COMAGRAV DIGI



COMAGRAV DIGI is a powerful cutting table designed for cutting digital prints, corrugated cardboards, sandwich panels, sample making of packages, production of P.O.P. & P.O.S., cutting leather, nonwovens, PE foils, fabrics, banners, foams, etc. After successful years on market of CNC engraving and routing machines we developed machine that reaches the top level.

DIGI reaches high speeds and complete system works with high dynamics thanks to low profile of the gantry and best servo motors available on the market.

Cutting heads are universal, interchangeable and upgradeable in the future.

Module A usually handles oscillating knife, which cuts strongest materials. The B module is equipped by tangential tool with multifunctional possibilities – from cutting of vinyl (kiss-cut), over grooves (V-cut) up to creasing wheels – this tool does it all!

Routing spindle is ready for installation, too. The spindle cuts material with milling tool – sheets of acrylic or plastic are easily processed.

For cutting of fabrics and textiles we have motorised cutting disc ready to install! With carbide tool it cuts without wear for long time. Conveyor system allows to cut almost in nite lengths of fabrics.

The camera system is standard equipment of **COMAGRAV DIGI** This tool is very valuable in cutting of printed materials. The system finds printmarks and modifies cutting path to existing print. This brings relaxed times for the operator, he does not have to x material exactly, because camera system makes precice calculation of deformation.





EQUIPMENT LIST



Comagrav DIGI RC Digital Flatbed Cutting Tables

Model	Table Sizes (working size)
Comagrav DIGI 1715 RC	1700 x 1500mm
Comagrav DIGI 1720 RC	1700 x 2000mm
Comagrav DIGI 1725 RC	1700 x 2500mm
Comagrav DIGI 1730 RC	1700 x 3000mm
Comagrav DIGI 2034 RC	2000 x 3400mm
Comagrav DIGI 2534 RC	2500 x 3400mm
Comagrav DIGI 3425 RC	3400 x 2500mm
Comagrav DIGI 3430 RC	3400 x 3000mm
Comagrav DIGI 3450 RC	3400 x 5000mm
Comagrav DIGI Custom	Available on request

Equipment included

PILOT A+, camera system, vacuum /w 1 pump, conveyor, ArtCAM Express.

COMAGRAV DIGI multifunctional CNC cutting table with conveyor.

CNC cutting table for industry, packaging and sign producers. Equipped for oscillation cutting, drag cutting, marking, creasing, etc. AC servo drives and planetary gearboxes are installed. Maximum speed 1250 mm/s, acceleration up to 5000 mm/s². Vacuum table with cutting pad and 1 vacuum blower (Becker Germany). Recognition camera system for cutting of printed materials. Sophisticated CNC controller PILOT Advanced for maximum dynamics and speed. Prepared for installation of oscillating knife heads, universal tangential heads, routing spindle and more.

2 Year Manufacturer's Warranty

Type DIGI RC with conveyor and endless cutting pad. It includes – front & rear cylinders for endless movement of cutting pad, pneumatic clamps on both sides of the gantry to hold cutting pad during movement, pneumatic bar on rear side of the gantry to hold material securely.

Dell Control PC Intel based Windows 7 with 3 years NBD service.

Passive rolling equipment, for rolls max. 2000mm

Additional mid-range vacuum pump Becker 5,5 kW

additional pumps may be required for routing purposes and for cutting of hard thin materials.

Additional Noise Reduction for Vacuum Pump

Additional cutter modules, systems and consumables available on request.

DIGI professional Spindle 730 W/24000 RPM

with ramp and dust collector, professional routing and engraving spindle, 3 phase spindle with ER20 tooling. 3 phase spindle with ER20 tooling. Ceramic bearings for professional and reliable work up to 24,000rpm. Dust collector with flexible hose and steel ramp to cover complete working area. Includes one routing tool, one 4mm collet, keys and nut. No dust collector included.

Pneumatic Oscillating Tangential Knife 9K Servo

A slot, AC servo, 8 mm stroke, 9000spm, pneumatic oscillation knife head. Tangentially controlled (with high quality AC servo drive) cutting head with pneumatic oscillating knife. Stroke 8 mm, 9000 strokes per minute, cutting up to 60 mm thickness. Clean and dry compressed air (min. 6 bar) is required for operation.

Pressure Foot for Oscillating Knife

This tool helps to keep material down during cutting. Available for pneumatic or electric oscillating knife head. Bottom of this tool is made of low friction plastic.

Tangential Module for Universal Tool U1 (Module B)

AC servo, tangential rotation, position for insert of U1 tools, module for universal tools U1. AC servo tangentially controlled panel for insertion of U1 tools. High dynamic cutting. Allows to use Kiss-cut, V-cut and other cutting devices that requires tangential control. Allows to use Kiss-cut, V-cut and other cutting devices that requires tangential control.