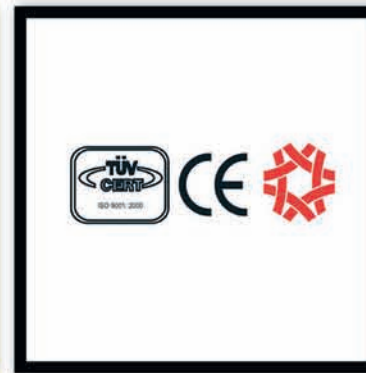
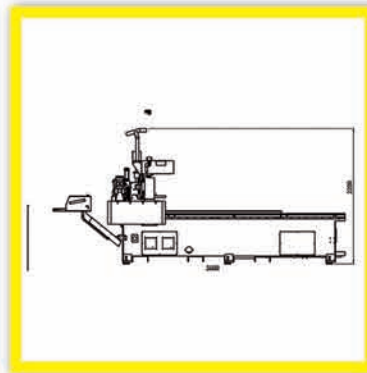
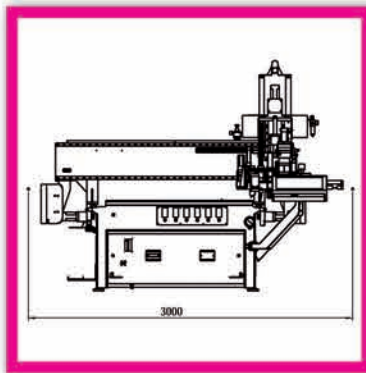
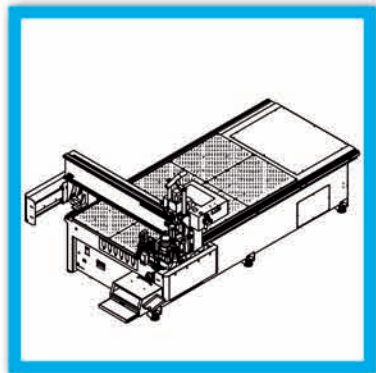


Technical Specification

Acut

Stroke	X Axis	2750 mm (9.8 ft)
	Y Axis	1600 mm (5.2 ft)
	Z Axis	200 mm (0.65 ft)
Table Size		2500 x 1300 mm (8.2 x 4.2 ft)
Max. Feed Speed	X Axis	50 M/min (161 ft/min)
	Y Axis	50 M/min (161 ft/min)
	Z Axis	10 M/min (32.2 ft/min)
QTC Head With	No. of Spindles	1
	Tool Holder Shank	ANDI HSK32E, water cooled
	Speed	8.1 kw, 1,000 - 40,000 rpm
Oscillating Cutting	No. 2	1 with 0.15 kw motor power, Stroke: 0.3 mm
Kiss Cutting	No. 3	1 (can be replaced to a V-cut device)
Creasing Tool	No. 4.	1 Crease wheel with 32 mm diameter
CCD		i-Cut
Tool Dia	For Router Bit (O.D.)	Max. Ø13 mm (Ø 0.512 inch)
Power Requirements		220 V, 60 Hz, 50 A, 3 P
Air Pressure	ATC Head	8.1 kw x 1 (10.8 hp)
	Oscillating Cutting	0.15 kw x 1 (0.2 hp)
	Vacuum Pump 250 cbm/hr	1 Blower with 5 hp (3.75 kw)
NC Controller		6 kg/cm ² (85 lb/in ²)
Dimensions	Floor Area	ANDI-SYNTEC PC based Controller
	Height	6000 x 3750 mm (19.685 x 12.303 ft)
	Weight	2200 mm (7.218 ft)
Air Consumption		2500 kg (5511.48 lb)
Suction Capacity for Main Spindle		450 L/min (15.9 cfm)
Total connected Load		1495 m ³ /hr (880 cfm)
		22 kw/64 - 34 - 27 A



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Graphic & Printing Division



Acut

High Performance CNC multi tool Cutting System for sign and graphic shops



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Acut - High Performance CNC multi tool Cutting System for sign and graphic shops

Acut for the SIGN and GRAPHIC INDUSTRY

The Acut is a processing center that truly caters to the sign and graphics demand for an all in one routing and cutting system from the most reliable name in CNC technology, Omnitech Systems.

The Acut was designed for today's multi tasked sign and graphic shops and will handle any routing or cutting jobs that comes through the door. The main routing head on the Acut consists of an 11 hp main router spindle capable of 40,000 RPM. This will handle all of your 3D and 2D sign and graphic making needs including many types of media.

Main features

Working Table

- Material of table top is hard phenolic with grid pattern in the bottom
- Bakelite plate with vacuum holes in the top
- The non-woven mat is included with machine
- Flatbed with gantry moving
- (6) six vacuum zones controlled by switch button
- (3) three 10mm high pop up pins with down sensors are included around the table for precise registered media placement

Driven System

- X & Y are applying HELICAL rack and pinion system
- Z-axis is applying ballscrew system
- (2) two servo driven systems are equipped on each side of X-axis
- (1) one servo driven system is equipped with Y-axis

Working Spindle

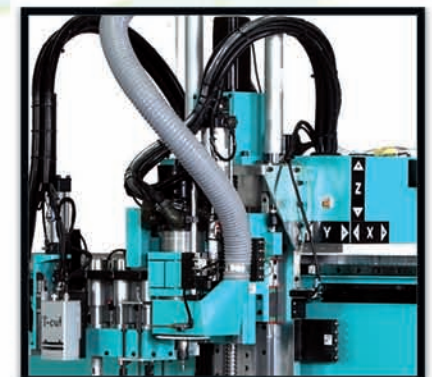
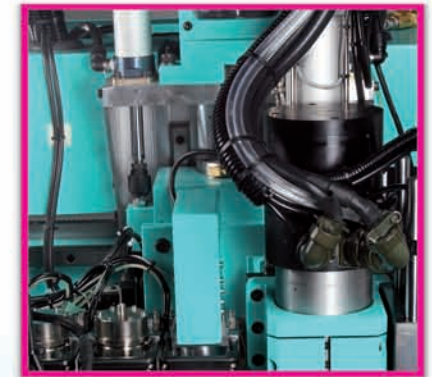
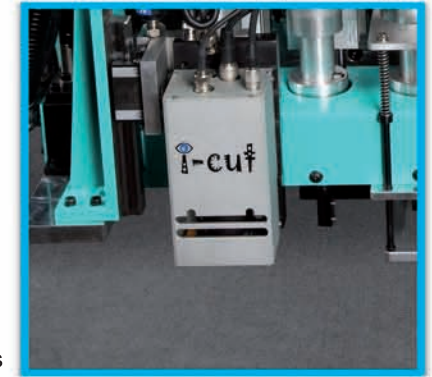
- Water cooling system is included for the router spindle
- CW/CCW is a standard feature
- "Spindle speed override" function is a standard feature
- Automatic tool changer for router spindle is not included and is an option

Controller

- Software: CamPro Lite + I-Cut

Miscellaneous

- Handheld device is included
- Tool touch-off device is included
- (3) three sets of tool holder and collet for HSK-32E are included
- (3) three different type of Knives will be provided with machine
- Safety device standard with machine



Precise cutting on a variety of media

When it comes to the processing of printed graphics the Acut comes fully integrated with ESKO's i-cut vision system: i-cut Vision Pro with integrated i-cut Camera.

i-cut systems deliver unlimited vision registration and compensation for any type of distortion regardless of printing method and materials.

Print runs from just one sheet to multiple sheets, are contour-cut in the most reliable, precise and economical manner. Setup times are minimal - or in many cases virtually eliminated - with the latest workflow integration software developed by MGE.

i-Script RIP-to-cut interface tool

You can use either the main router spindle for your rigid materials such as Sintra, Gator Foam and Polypro or switch to your oscillation knife for foam core, corrugated material and thin plastics.

If it is vinyl, foil or paper you are processing the built in kiss cut knife will quickly and accurately take care of it without the need to switch machines. For box construction an added crease wheel will handle all your folding operations.

The Acut comes with a fixed table gantry. The CNC Router spindle is equipped with:

- maintenance free ceramic bearings
- grease lubricated and LIQUID COOLING for longer bearing life
- a fast and efficient dynamic spindle brake is incorporated on the spindle motor
- router motor is powered by an electronic AC inverter drive system



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Providing the best in high tech and lasting technology

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