Alpha systems

Multi-tool Cutting Plotter

Conveyor Bed with Camera option

Standard bed

Many choice of tool options available to cut all kinds of materials in packaging and sign application

V– CUT:

Available in angles 15, 22.5, 30 and 40 Deg.
Used for making angle cuts on corrugated boards and honeycomb boards.
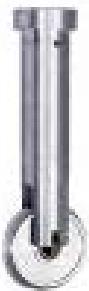
Max. thickness: upto 15mm

TANGENTIAL CUTTING:

Cutting pressure is adjustable to cut various types of materials

Max. thickness upto: 2mm

CREASING WHEEL:

To crease cardboards, 5ply/7ply corrugated boards, plastic corrugated etc..

OSCILLATING TOOL:

Works at a frequency of 350 to 400Hz.
For cardboards, corrugated boards, flexible PVC sheets, PP and many more.

Max. thickness upto 15mm

MILLING TOOL:

For cutting harder materials such as PVC foam board, fiber board etc..

With automatic cutting Depth adjustment.

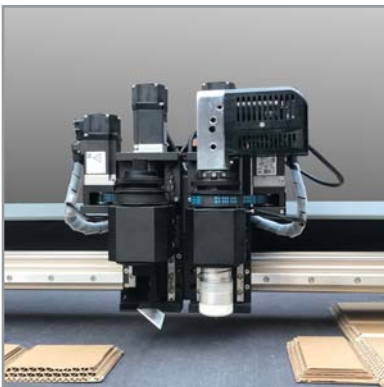Max. thickness upto 10mm

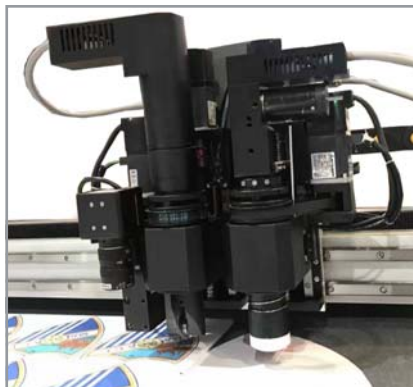**FOAM CUTTING TOOL:**

For cutting foam, EVA etc..

Max. thickness upto 60mm

FEATURES

⇒ Sturdy design for long lasting performance

⇒ Open design to access the cutting bed from all sides for easy placement and removal of sheets. Conveyor bed for automatic feeding and cutting unlimited length from rolls.

⇒ Various tool options such as oscillating tool, creasing wheel, kiss-cut for vinyls V-cut for X board and thick honeycomb sheets, foam cut, milling tool, circular cut for garments

⇒ Camera option to cut preprinted sheets accurately on any material..

⇒ High performance vacuum bed and vacuum pumps to hold sheets when cutting. Automatic digital controlled vacuum zone ensures vacuum is high under where the head is cutting.

⇒ LCD touch screen display for easy human interface and setup of parameters. Easy to adjust knife depth when a new material is placed.

⇒ Intelligent collision avoidance system to ensure safe operations.

⇒ Imported synchronous belt and linear guide to ensure machine running accuracy and stability.

Oscillating tool & V-cut tool

Oscillating tool , Creasing tool & Camera

Automatic roll feeding device

Model	PX1410	PX1813	PX2516	PX2520
Effective Cutting Area Length X Width (mm)	1400 x1000	1800 x 1300	2500 x 1600	2500 X 2000
Max. Cutting Speed	1500 mm/s			
Cutting Thickness	Standard: 25mm, optional: 60mm			
Cutting Materials	Sign Vinyl, PVC sheet, Corrugated board, Plastic corrugated board, Thick grey cardboard, Foam board, EVA board, PU Leather, Fabric etc...			
Tool Options	400Hz Oscillating tool, Tangential blade, Foam cut, V– cut, Kiss cut, Milling tool, circular blade cutter, pen, laser pointer			
Other Options	Camera to cut preprinted sheets			
Fixing Method	Vacuum suction– follows the cutting head for better holding			
Cutting Accuracy	$\pm$0.2mm			
Repeatability	≤0.05mm			
Interface	Ethernet port			
Feeding options	Roll feeding available			
Command Mode	HP-GL			
Format Compatible	Work with any CAD software, like AI / Core draw / Auto CAD etc...			
Control Panel	LCD Color Touch screen			
Driving System	Digital servo motor, Linear guide rails & High precision belt			
Voltage	AC 380V±10% 50 Hz, 30 Amp			