

## TECHNICAL SPECIFICATIONS

Model	FDDC 1640
Maximum Cutting Size	1600 x 4000 mm (5.24' x 13.12')
Feed Type	Manual
Media Hold-Down Method	Through Vacuum (12 Zone Work table, every zone can be activated independently)
Air Supply	1200W Compressor (Included)
Suction Supply	Vacuum Pump (9 Kw Pump Included)
Tool Head Type	Multi-Functional head to hold various tools
Number of Knife Holder	2 (Standard Supply)
Standard Supply of Tools	3 KW Milling Cutter, Pneumatic Knife Tool, Drag Knife Tool, Kiss-Cut Tool, V-Cut Tool
Tool Change	Manual
Translation Velocity	0-1300 mm/s
Maximum Cutting Speed	0-1300 mm/S (Depends on Cutting Material)
Cutting Accuracy	Plus/Minus 0.1mm
Maximum Cutting Thickness	up to 50 MM (Depends on Cutting Material Properties)
Registration System	High Definition CCD Camera
Positioning Method	Circular Mark
Job Recognition	QR Code for Instant Recognition
Compatible OS, Interface	Windows, Ethernet Port
File Format	DXF, PLT, POF, PDF, GDF, AI etc.,
Transmission	Fuji Digital Servo Motor, Linear Guide, Gear Rack
Power Supply	380 - 415 V, 50 HZ, Three Phase
Power (Machine)	11 Kw
Physical Dimensions (LxWxH)	5855 x 2300 x 1650 mm
Net Weight / Gross Weight	1100 KG / 1700 KG

### Cutting Materials :

Acrylic, MDF, PVC, Asbestos, Rubber Board, Silica Gel Board, Graphite Composite, PTFE, Sticker Paper, Reflective Materials, Vinyl Labels, Corrugated Board, V-Cut on ACP Sheet etc.,

### IMPORTANT NOTE :

Depends on Material thickness and Properties, additional cutting tools may be required, Based on application, cutting tools will be recommended and the same can be supplied at extra cost.



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Due to continuous development and product improvements, the company reserves the right to change/alter the specifications mentioned herein.



## FDDC 1640 FLATBED DIGITAL DIE CUTTER

## VERSATILE DIGITAL CUTTER FOR SIGNAGE INDUSTRY

❖ One Machine

❖ Multiple Tools

❖ Multiple Applications

## FDDC 1640 FLATBED DIGITAL DIE CUTTER

### List of main parts and it's brand :

- Fuji Servo Motors and Drives
- Imported Conveyor Felt (from Netherland)
- Linear Guides (PMI, Taiwan)
- Limit Switch : Omron and Schneider Brand
- AOL Controller and Software
- Ball Screw : TBI, Taiwan
- Sliding Parts : SKF, Sweden
- Optoelectronics Switch : SMC
- Wires : IGUS Brand, Germany



## Tools and Applications

### Drag Knife Tool

Drag knife tool can perfectly cut materials with the thickness up to 5mm.Compared to other cutting tools, it is the most cost-effective one that allows for the fastest cutting speed and lowest maintenance cost

**Application** Backlit Film, Sticker, PP Paper, Folding Card, Flexible Material less than 3mm thickness, Advertising Materials KT Board, Flexible Plastics, Mobile Phone Film



### Milling Knife Tool

With imported spindle, it has a rotating speed of 24000 rpm. Applied for cutting hard materials with the maximum thickness of 20 mm. The customized cleaning device cleans up the production dust and debris. The air cooling system extends blade life

**Application** Acrylic, MDF Board, PVC Board, Display Stand



### Pneumatic Knife Tool

Driven by compressed air, is especially for cutting hard and compact materials. Equipped with different kinds of blades, it can make different process effect. The tool can cut the material up to 50mm by using specialized blades

**Application** Asbestos Board, Asbestos Free Board, PTFE, Rubber Board, Fluorine Rubber Board, Silica Gel Board, Graphite Board, Graphite Composite Board



### Kiss-Cut Knife Tool

The kiss cut tool is mainly used for cutting vinyl materials (labels). AOL cut makes it possible that the tool cuts through the top part of the material without any damage to the bottom part. It allows high cutting speed for material processing

**Application** Sticker, Reflective Materials, Self-adhesive Vinyl, Label, Vinyl, Engineering Reflective Film, Double-layer Adhesives



### V-Cut Knife Tool

Specialized for V-cut processing on corrugated materials, V-Cut Tool can cut 0°, 15°, 22.5°, 30° and 45°

**Application** Soft Board, KT Board, Corrugated Board, Packing Box, Medium-density Material V-cuts, Carton Packaging, Hard Cardboard

