

HIGH QUALITY **CE** CERTIFIED  
DIGITAL PRESS FINISHING EQUIPMENTS



- Thermal Lamination
- Hydraulic Paper Cutter
- Digital Label Die Cutter
- Perfect Binder & Corner Cutter
- Digital Creaser & Perforator





## Digital Flatbed Cutters MHC-4560

Paper Size : 18.5" x 24.5"

Cutting Size : 17.5" x 23.5"



## Flatbed digital die-cutting and creasing - for any shape!

This Series flatbed cutter including DragonCut Pro software is ideal for small and medium-sized production and samples of packaging, swing tickets and even labels. Processing materials include paper, card, synthetics, films and kinds of labels, up to 500gsm.

Using advanced digital contour cutting technology, no cutting dies required, Hamada Cut flatbed cutters are able to produce the sheets to any shapes, instantly and directly from the desktop. It can handle full cutting, half cutting, creasing, perforating and even drawing.

Various models are available; the desktop MHC4560 model offers maximum cutting area up to 450x600mm, ideal for 2 or more sheets side by side.

### Main Features

1. Plug and play, simple installation, no additional drivers needed.
2. Direct USB makes the flatbed cutter reliable and convenient.
3. Advanced digital contour cutting technology- high resolution optical sensor read barcode on the printed files automatically. No cutting dies required.
4. Pneumatic vacuum suction of media.
5. Dual cutting head, cutting and creasing in one compact unit.
6. Silent, precise and powerful servo drivers for best cutting results.
7. Contour cutter cuts thin films and card up to 500gsm / 600micron.
8. Cuts typical SRA3 sheet in 30-60 seconds.

### Application

**Application Field:** Prototype and light production, DIY paper crafts, on-demand packaging and sheet card cutting system – also suitable for sheet labels.

**Process Material:** cardboard, craft paper, plastic board, fibrous cardboard, rubber sheet, vinyl, sticker, reflective film and thin film etc.

PVC: Less than 0.4mm; Sandblast, Hard paper: Less than 450gsm

Magnetic Sticker: Less than 600micron; PET: Less than 0.3mm, etc.





### Technical Parameters

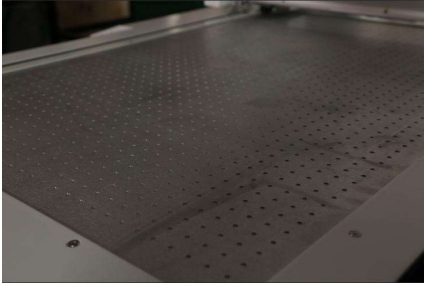

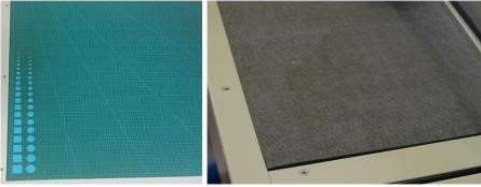
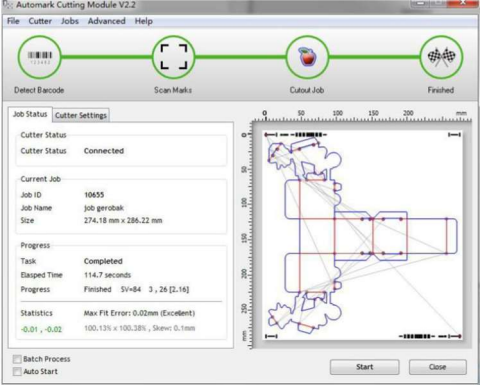

Flatbed Cutter	MFC4560	MFC6090	MFC1080
Maximum media area	469x631mm(18.46"x24.84")	608x907mm (23.93"x35.70")	776x1070mm (30.55"x42.12")
Effective Contour Cutting Area	459x611mm (18.07"x24.05")	598x887mm (23.54"x34.92")	730x1067mm (28.74"x42.00")
Stand	optional	included	included


Media Fixture Method	400w vacuum suction system	750w vacuum suction system	
Acoustic cover for vacuum pump	optional	included	
Silencer	optional		
Dual Cutting Head	Blade & Ball-bearing Creasing Tool (a calibration tool included)		
Working Method	full cutting & kiss cut ,crease, perforate ,draw		
Cutting Technology	Advanced digital contour cutting technology		
Registration System	High resolution optical registration system or CCD Camera positioning system		
Cutting Software	Stand-alone software DragonCut Pro (PC only)		
Interface	USB		
Working Mode	PC Control, Windows 64bit supported		
MechanicalResolution	0.01254mm		
Programmable resolution	HPGL0.025mm		
Max. Cutting Speed	600mm/s	800mm/s	
Max. down Force	510g	750g	
Max. Cutting Depth	0.6mm		
Repeat Precision	≤0.05mm		
Control system	Servo		
Working Voltage	110V-240V auto switching		
Working Environment	5 to 35 Degrees, no dust, flat working platform		
Power	600W	900W	900W
N.W/G.W	40kg/72kg	72kg/100kg	109kg/165kg
Dimensions	1050x790mm (41.33"x31.10")	1140x1175mm (44.88"x46.25")	1312x1305mm (51.65"x51.37")
Packing Size	123×100×46cm (0.57CBM)	142×131×59cm (1.1CBM)	158x141x59cm (1.32CBM)

### Details Description


Seq.	Picture	Detail Instruction
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1.		<p><b>Dual Cutting head:</b> The MFC series flatbed cutter utilizes a <i>dual tool head</i>, the dual tool systems includes one blade tool and one creasing tool, both tools are operated independently for <i>cutting and creasing</i>, the finished product can be cut and creased in one smooth operation, reducing operation time and improving productivity.</p>
2.		<p><b>Control Panel:</b> The <i>easy-to-use control panel</i> allows users to easily adjust settings, such as direction, increased cutting force and even the vacuum system.</p>
3.		<p><b>USB Connect PC:</b> Input the file with USB line directly from cutting software in the PC, support 64bit Windows.</p>
4		<p><b>Emergency button:</b> When it meet something wrong, first time put down this button, and it will stop working</p>


5		<p><b>Vacuum Table:</b> With high powered vacuum suction system, the printed sheets are held securely in place on either a green self-healing, or grey felt cutting mat. Suction passes through the perforated hold down table and the mat, keep sheets flat and secure, removing the risk of lifting during operation.</p>
6		<p><b>Vacuum Pump:</b> Two different power pumps 400W and 750W available for 4560 model cutter and 6090 model cutter. One vacuum pump controls the whole working table. With a steel panel cover outside of vacuum pump, for less noise and good appearance. Muffler is optional for 750W vacuum pump.</p>
7		<p><b>Cutting Mat:</b> Two different <i>cutting mats</i> are available, depend on different material thickness and application. The green self-healing mat is ideal for obtaining crisp cuts on thinner materials. The grey felt mat is perfect for achieving deeper creasing lines and cuts on thicker substrates.</p>
8		<p><b>Cutting Software:</b> The Professional cutting software <i>DragonCut Pro</i> not only reliably handles design and layout tasks and imports a wealth of graphic file formats, but also generates cutting contours and folding lines. so, you can rapidly produce super accurate signage and decals with pinpoint contour cutting to achieve the most outstanding and professional results.</p>
9		<p><b>Advanced Barcode recognition system:</b> High resolution optical registration system which reads the registration marks on the media and compares the position with the original value from the digital file. The DragonCut Pro software then acts accordingly to correct linear and angular positional differences by automatically adjusting the cut lines.</p>

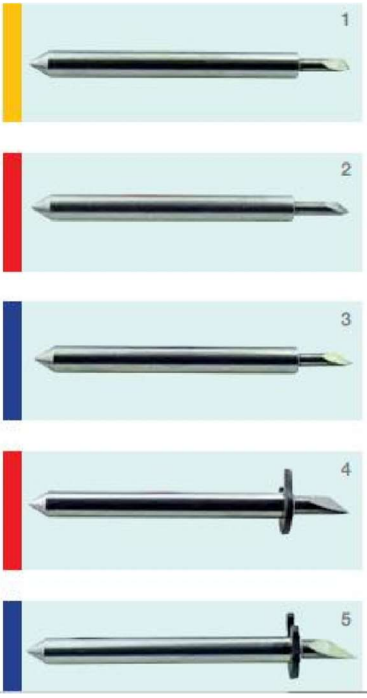


10		<p><b>Accessories Box including:</b></p> <p>3 boxes cutting blades, 3pcs blades inside of each box.</p> <p>1pcs USB Line</p> <p>1pcs Power Line</p> <p>1pcs Pen Holder with a pen</p> <p>1pcs Blade Holder</p> <p>1pcs creasing tool</p> <p>1pcs Wrench for install the creasing tool</p> <p>1pcs fuse for stock</p> <p>1 set DragonCut Pro software</p>
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**Optional**

1		<p><b>Muffler:</b> Reduce the sound level of vacuum pump. suitable for 750W vacuum pump. Mostly used in the office which require cutter works quietly.</p>
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**Tools Description**

1		<p><b>Blade holder:</b> This precision engineered components sits in the dual tool head and holds the cutting blade of choice. The tool is manually adjustable to obtain the desired amount of “ blade out” for the job in hand.</p>
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2		<p><b>Cutting Blade:</b> These ultra-sharp and hard-wearing blades comes in two types and three blades angles. Either as a pack of three the same or as a mixed pack.</p> <p><b>Blades:</b></p> <p>1)Yellow-1mm 30°- for film,very soft material, thin label material.</p> <p>2)Red-1mm 45°-for adhesive stickers, thin paper/card under 0.25mm.</p> <p>3)Blue-1mm 60°- for thick media. Sharply angled tip provides a longer cutting edge--suitable for cutting media from 0.5 to 1.5 mm.</p> <p><b>Circlip blades:</b></p> <p>4)Red-1.4mm 45° -Circlip provides better pressure and improves blade direction changes on dense media from 0.25 to 0.5mm thick(up to 500 micron).</p> <p>5)Blue-1.4mm 60°-Sharply angled tip provides a longer cutting edge, for cutting media from 0.5 to 1.5mm.</p>
3		<p><b>Creasing Tool:</b> This tool is double-ended, offering a choice of tips for either wide or narrow creases. It creases all fold lines with its ball-bearing head, thus avoiding the exposure of paper fibers through printed areas.</p>
4		<p><b>Calibration tool:</b> Used at set up and then periodically, to calibrate the cutter.</p>