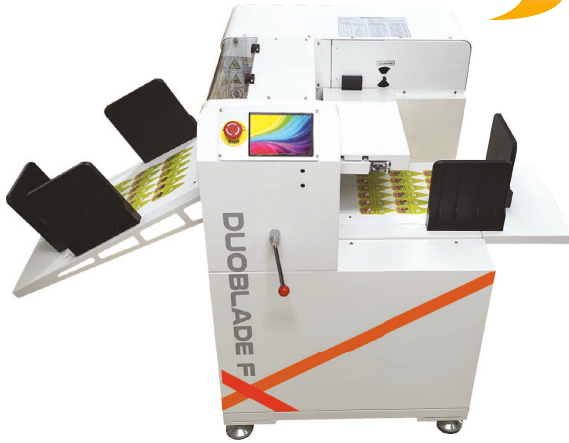


**Functional eXtream**



*The best choice for digital cut-sheet crafting job with multiple tools in unmanned automation*

DUOBLADE FX is an ultimate solution for digital cut-sheet crafting works. It shows always 100% quality by True Simulation & PerfectCut™ algorithm. CCD camera knows what to do automatically using different tools selectively or the same tools for higher speed in each head.



**Built-in computer**

Automatic job management (1000+) in 50GB storage  
Auto prediction of working time and knife lifespan  
Enabling auto calibration and self-diagnosis  
Optimization of path, starting point, direction, sequence, speed, acceleration, pressure and etc.



**CCD camera & displacement sensor**

Automatic measurement of eye-mark and paper corners  
Automatic job change by QR code scanning  
Auto calibration by analyzing cutting result of template  
Precise control to prevent paper jams or double feeding



**Big touch screen with full color**

Multimedia play with built-in speaker  
Multilingual GUI in 7" full color LCD  
Intuitive user interface with fancy icons  
Realtime synchronization with PC S/W



**Dual heads: same tools or Different tools**

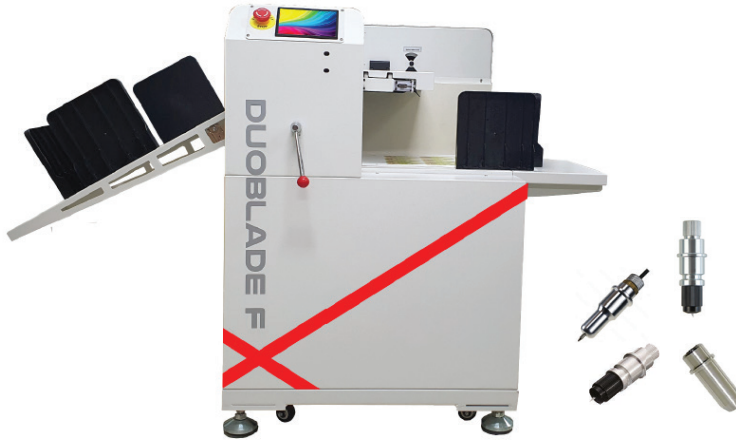
Half-cut of full-cut using dual heads with same tools  
Automatic head distance adjustment  
Partially applicable dual mode in complicated design  
Half + full cut or full-cut + creasing at the same time  
Backliner cut for easypeel and backscoring



**Intelligent software**

Eye marks and QR code generation for printing file  
Automatic conversion of multi-layer PDF files  
Cut line conversion for dash lines or nicks for scoring  
True simulation and exclusive PerfectCut algorithm

# COMPONENT



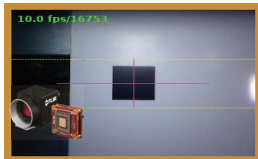
Dual cutting heads



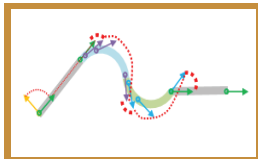
Embedded CPU  
/64 GB memory



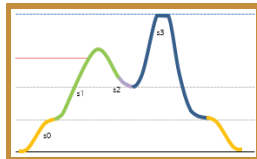
Full color touch screen (7")



CCD camera  
& Vision system



PERFECTCUT™ Algorithm



Intelligent control  
of speed and acceleration

# SPECIFICATIONS

- **Max. Feeder capacity**  
1000 sheets for 200gsm paper
- **Max. File save capacity**  
more than 1000 files
- **Min. media size**  
210mm x 148mm
- **Max. media size**  
210mm x 630mm
- **Max. Cut Speed**  
1000mm/sec  
(350 sheets/hours for A3 size,  
3 x 2 array cutting of 6 circles)
- **Calculated cutting accuracy**  
0.0125mm resolution
- **Actual cutting accuracy**  
±0.05mm
- **File format**  
Multi Layer AI/PDF
- **Layer transfer**  
Eye mark, printing, half-cut,  
full-cut, dash line, creasing line,
- **Cutting function**  
Half-cut, Full-cut, creasing cut,  
pen tool
- **Control system**  
Raspberry 4B 2GB,  
64GB memory card
- **CCD Camera**  
320x240 YUY2., 30fps,  
Embedded LED light
- **Slitting width**  
10 ~ 310mm
- **Touch screen**  
7" screen  
1024 x 600 dpi  
Embedded speaker
- **Height sensor**  
Small 3-pin vertical limit switch
- **Automatic setting**  
Head distance adjustment  
Tooling mode (single/dual)  
Speed & acceleration waveforms
- **Manual setting**  
Tool change, Flipping the paper
- **Optimization**  
Auto calibration, cutting start  
position setting, knife rotation  
direction, cutting path, cutting  
speed, acceleration, cutting head  
pressure, scoring, nick, etc.
- **Job preview**  
Printing layer, cutting layer,  
cutting time estimation, cutting  
start position, cutting path, etc.
- **Interface**  
LAN, Wireless
- **Power supply**  
110V/220VAC, 1000W
- **Machine size (H X W X D)**  
820mm x 700mm x 1030mm
- **Machine weight**  
150 Kgs