adelco DTF

Digital Cutter

Introducing an intelligent accessory for our DTF printer. The DTF Cutter, the perfect companion for the DTF.

High-Precision Cutting

Fast Cutting Unit

High-Speed CCD Camera for Efficient and Accurate Printing Issue Detection

Multi-Layer Cutting

adelco DTF

Optimized Cutting Force with 8 Incremental Levels

Avaliable Options for Half-cut and Perforation Cutting Methods

Segment Cutting Operation

Enhanced Safety Features Incorporated

CNC Digital Cutter Unit

A highly intelligent CNC Digital Cutter unit.
A perfect pair for our DTF solution for a seamless DTF solution

Adelco's computerized numerical control Digital Cutter comes equipped with an advanced high-precision cutting unit that ensures the highest detail in small designs. Paired with a safety motor tool that will pause operations whenever the carriage is jammed.
Features of the cutter includes:

- A fast cutting unit - A variety of speeds for any volume of productions.
- Multi-layer cutting - Capaple to cut through multiple layers at one and apply different strengths across the different layers.
- High-speed CCD camera - Extremely efficient in detecting printing issues and accurate recognition of problems.
- High-precision cutting unit - Remarkably accurate, able to do consistent cuts as small as 0.8mm.
- Adjustable cutting levels - 8 different cutting strengths perfect for any job.
- Half-cut & Perf Cut - Versatile for any type of need.
- Adjustment algorithm - Able to detect and discard distorted, rounded or lifted corner designs
- Accurate cutting paths - No longer need to overcut, the start and end nodes line up with eachother accurately.
- Segment cutting operation - Capable for a more precise alignment using different types of axis around the designs. Perfect for tracking long rolls, laminated designs and heavier materials.
- Cutting along the dotted lines - Available feature when cutting 2 layers and capable of performing with different types of paper

Size	350 x 450mm or 610 x 900mm
Applicable Media Thickness	0.03 - 1mm
Applicable Media	Balanced pliability for soft and rigid materials
Method	Vacuum pump and/or adhesive mat
Cutting Speed	600mm/s
Cutting Force	600g / 5.8N in 8th level
Cutting Set-up	Adjustable in every 1g
Blade Diameters	0.9mm, 1.5mm, 2.0mm
Blade Angles	30°, 45°, 60°
Dotted Lines Cutting	Included
Drive	AC Servo
Mechanical Resolution	0.0125mm
Compatible OS	Win 10/ 8 / 7 / XP
Memory Buffer	2 MB
Software	Windows Driver, SignWorkPro & CADtoPlotpro
LCD	English
File Format	HP-GL, PLT
Port in Standard	USB, RS-232
Registration Marks Recognition	Temperature 18-30°C Humidity 40Rh-60RH
Power Input	110 - 220V AC, 50 - 60Hz
Power Consumption	620w or 900w
Cutter Holder / Pen Holder	1 for each
Types of Pen	Water based fiber-tip pen & oil based ball pen
Package Size L - W - H	1050 x 760 x 600mm or 1350 x 1220 x 1220mm
Gross / Net Weight	67 / 52kg or 160 / 90kg