Cross Cutting Module CS6-I
The Ultimative Cutting Solution "Single Cut"

Cross Cutting Module CS6-I

Purpose

The CS6-I purpose is to cut a continuous paper web into sheets. It can handle a vast range of different paper ranging from lightweight paper to heavy paper. The cutter can be used printer online or offline with an unwinder and handles 1-up to 4-up production.
• On-Line from Printer
• Off-Line from Roll

Method of operation

The paper web, arriving from the pre-processing module, is fed in by the pinless infeed roller to the cutting cylinder which cuts the paper web using a rotary knife. Directly after the cutting process, the sheets are conveyed to the post processing module via a sheet outfeed. The post-processing module can be almost any type of equipment as a stacker or a buckle folder just to mention few.
Blank sheets caused by the printer's start-up procedure (or cleaning cycle) can be automatically diverted using the integrated dynamic diverter and are not passed over to the post-processing module. Any sheets cut during the setup procedure are automatically ejected via the diverter.
Document control (e.g. offsetting, stack separation) is controlled by either counter, separating marks or barcodes but can also be controlled markless.

Basic equipment

• Basic module with single rotary high-performance cutting cylinder
• User-friendly touch screen machine terminal for set-up and basic operating functions
• Casing with safety monitoring

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Technical versions

Web infeed single web or double web (for use with web merge WM6)

Sheet outfeed 3 1/2 " or 5 1/2 "

Register mark reader top, bottom or both sides

Linear cutting unit for 1up, 2up, 3up or 4up paper processing

Edge trim left and right

Linear slitter or gutter cut

Waste evacuation on rear side or bottom (for under floor waste removal)

Speed versions: 50, 100, 150 or 180 m/min

Optional equipment

Print mark readers top or bottom side

Barcode readers top or bottom side

Data matrix readers top or bottom side

Motorized linear cut positioning

Software for "Automated Registering" functionality

Software for "Dynamic Diverter Gate Control" functionality

Line control computer for simplest dialog guided set-up, changeover, and unlimited production parameter storage (of the complete line) as well as control of the motorized set-up features of all modules integrated in the POPP6 line

UP3I interface kit

Spare part kits

Speed upgrades

Special technical features

The new designed edge trim knives now feature integrated drives which allow to adjust the edge trim speed depending on the paper weight. The edge trim positions can be fine adjusted in steps of 0.1mm while the cutter is running. A motorized, automated positioning system for the edge trims / centre slits is available as an option.
A line control computer is used for simplest set-up and changeover and efficient operator support. It features a nearly unlimited number of production parameter storages and controls the motorized set-up / changeover.

Specifications

Web width	
165mm - 520mm	6.5" - 20.5"
Sheet length	
89mm - 1574mm	3.5" - 62"
Paper weight	
40 - 300g/m2	40 - 300gsm
Web speed	
10 - 180m/min	33 - 590ft/min