Cross Cutting Module CS6-II
The Ultimative Cutting Solution "Double Cut"

Cross Cutting Module CS6-II

Purpose

The purpose of the CS6-II is to cut a continuous paper web into sheets using a rotary single or double cut cylinders (with chip out). It can handle a variety papers, ranging from lightweight newsprint to card stock. The cutter can be used with most digital continuous printers, as well as offline with an unwinder. Its capabilities extend from 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 by a sheet outfeed mechanism. The post-processing module can be almost any type of equipment such as a stacker, buckle folder, or shingle delivery.
Chip out: The CS6-II cutter is capable of cutting a chip out of the web. The chip out length is set electronically. Chip out mode can be activated, or deactivated via the panel to handle any kind of pre-printed or blank paper.
Blank sheets caused by the printer's start-up procedure can be automatically diverted using the integrated dynamic diverter and are not passed on to the post-processing module. Any sheets cut during the set-up procedure are also automatically ejected by the diverter.
Document control (e.g. offsetting, stack separation) is controlled by either a counter, separation marks, barcodes, or markless.

Basic equipment

- Basic module with two rotary high-performance shear type cutting cylinders
- 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 modular design with two cutting cylinders allows for a single cut with just one cylinder, or a double cut with variable chip out length. All settings are accomplished electronically.
The newly designed shear type edge trim knives, and center slitters now feature integrated drives which allow for the adjustment of the knife speed, depending on the paper weight. The knife 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 slitters and gutter cuts 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 optional motorized set-up and changeover on the CS6-II.

Specifications

Web width		
165mm - 520mm	6.5" - 20.5"	
Sheet length		
89mm - 1574mm	3.5" - 62"	
Chip out width		
3.2mm - 69mm	1/8" - 2 3/4"	
Paper weight		
40 - 300g/m2	40 - 300gsm	