Cross cutting module CS7

Purpose

The CS7 cross cutting module cuts a printed web accurately into sheets using the registration marks to position the cut to the print.
• On-Line from printer
• Off-Line from roll

Method of operation

The paper web, arriving from the pre-processing module or printer, is fed in by the pinless infeed roller to the cutting cylinder which cuts the paper web using a rotary shear type 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 a newspaper collator or a buckle folder.

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 on to the post-processing module. Any sheets cut during the setup procedure are automatically diverted into the waste bin.

The newspaper size is controlled using a counter or separation marks (barcode or data matrix optionally).

Special technical features

The new edge trim knives 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.

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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

Technical versions

- Register mark reader top, bottom, or both sides
- Linear cutting unit
- Edge trim left and right
- Linear slitter or gutter cut
- Waste evacuation parts with connection from rear side
- Power supply EURO or USA
- Speed versions: 50, 100 or 150 m/min (remark: the max web speed is currently limited to 110 m/min)

Optional equipment

- Print mark readers top or bottom side
- Barcode readers top or bottom side (upon request)
- Data matrix readers top or bottom side (upon request)
- Software for „Automated Registering" functionality
- Line control computer for simplest dialog guided set-up, changeover, and unlimited production parameter storages
- Spare part kits
- Speed upgrades
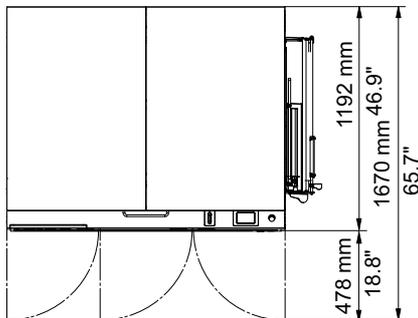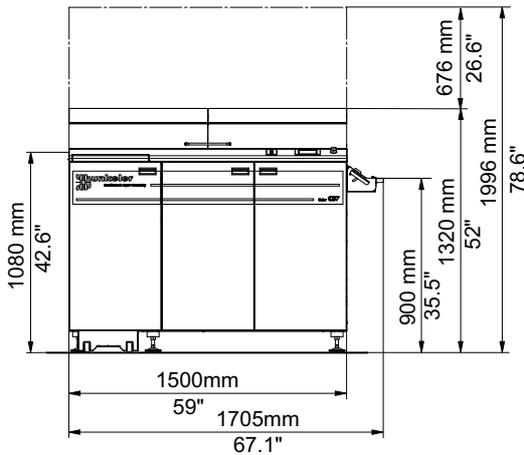
Technical data

Paper weight:	40–300 g/m2 [1]	
Paper web width:	165–660 mm	6.5–26"
Web speed:	130 m/min. [2]	
Sheet length:	5.5"–62"	
Sheet length setting units:	1/240"	
Edge trim width:	8–50 mm [3]	
Linear gutter cut:	6, 8, 10 or 12 mm	

Paper waste evacuation:
- ø125 mm (5") for edge trim
- Exhaust flow rate: 1100 m3/h (648 CFM) rated at 110 m/min web speed with 1/2" edge trims

Main supply:
3x400 VAC (+/-10%), 3LNPE, 25 AT or
3x208-240 VAC (+/-10%), 3LPE, 30 AT

	3x400V	3x208V
Rated current:	6 A	7 A
Effective output:	2.6 kW	1.7 kW
Apparent output:	4.1 kVA	2.5VkA
Heat dissipation:	8800 BTU/h	
	9300 kJ/h	
Weight:	655 kg	

[1] Speed and processing limitations may apply below 60 gsm and above 250 gsm

[2] Test required for speeds exceeding 110 m/min.

[3] The max width depends on the paper weight

All technical data subject to change