

S i m p l y P e r f e c t



Three-Knife Trimmers

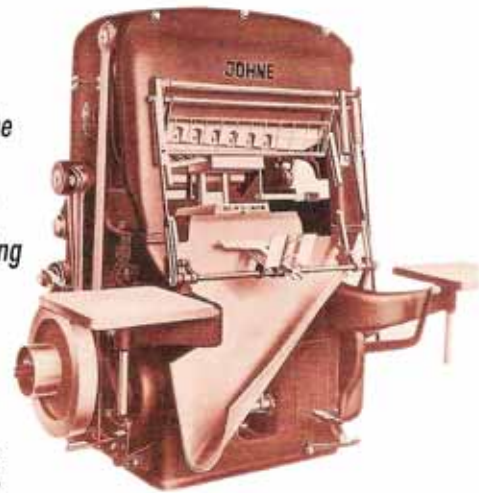
PERFECTA

SDY-2

SD 75/100 F



P|E|R|F|E|C|T|A
S c h n e i d s y s t e m e



Perfecta was founded in 1896, has upgraded the cutting process again and again by sensational designs, and has developed into a specialist for cutting technology in the graphic industry. Having 100 years of experience in guillotines and 60 years in three-knife trimmers, Perfecta today is not only the eldest but also one of the most innovative producers of professional, highly sophisticated cutting systems all over the world. Manufactured in large-scale series based on the latest technologies and equipped with up-to-date electronic circuitry, Perfecta trimmers are a reliable foothold for profitability and quality in the cutting process.



Perfecta SD 75/100 F Three-Knife Trimmer

For comfortable heavy-duty in-line trimming.

Perfecta Trimming Systems

For custom-tailored applications of the Perfecta three-knife trimmer systems, our service engineers are available for competent consulting and project designing all over the world any time.

Perfecta SD 75/100 F: The pro for

A comfortable heavy-duty three-knife machine for the industrial in-line trimming of brochures, paperbacks, catalogues or book blocks. Efficient with 75 or 100 cycles per minute, can be integrated into any production line, and is readily suitable for off-line operation with manual feeding.

Precision just of itself

An essential prerequisite to excellent trimming results is the sturdy machine frame cast in one piece. For proper processing, the stock is positioned directly in the trimming station at all four sides and with high accuracy. The use of a cam-controlled stock clamping system which guarantees minimum touch-down speed, prevents any displacement. Full-surface trimming and clamping plates do not leave any marks on the stock.

Smooth line operation

Automation and special design features make working with the Perfecta SD 75/100 particularly economic:

- Guidance of the stock into the trimming station, spine first, thus avoiding stoppages caused by unfolding stock.
- Forced pile delivery control by pushers working independently of feeding.
- Automatic piling, feeding and inhibition of cuts when no stock is in the trimming station.
- Automatic machine speed adaptation to the performance of the foregoing machine.
- Electronic synchronous run monitoring.
- Fine corrections can also be made while the machine is running.
- Efficient scrap removal by adjustable multiple blowing nozzles on the knife beams, and additional scrap screening on the side knife beams.



In-Line with System

Variable ways of feeding the stock into the hopper facilitate problemless integration into any production lines.

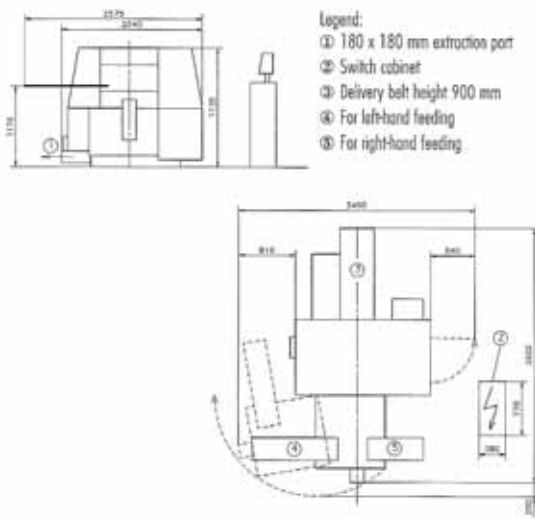
Specifications

SD 75 F / SD 100 F Standard Machine

Cycle rate, continuously adjustable		
- SD 75 F	c.p.m.	20 - 75
- SD 100 F	c.p.m.	25 - 100
Finished size		
Minimum	mm	100 x 125
Maximum	mm	300 x 440
Feed/trimming height		
Maximum - SD 75 F	mm	100/90
- SD 100 F	mm	80/70
Single copy thickness	mm	(4) 6
Main clamping force, continuously adjustable	kN	6 - 20
Connected load	kW	8.5
Main motor power	kW	6.5
Net weight		
- SD 75 F	kg	4400
- SD 100 F	kg	4500

For proper and smooth operation, installation or integration into a centralised scrap exhaust system and connection to a central air supply system are required.

Exhaust System Parameters		
Air discharge	m ³ /h	ca. 4000
Vacuum	kPa	1.5 - 2.5
Air velocity	m/s	ca. 20
Blower power	kW	ca. 7 - 10
Tube diameter	mm	200 - 250
Tube bend radius	mm	≥ 500
Air Supply System Parameters		
Air requirements	m ³ /h	ca. 45
Air pressure	MPa	0.6
Foundation Details		
Machine coefficient of impact		1.3



Standard Equipment

- Feeder unit with hopper conveyor belt and delivery belt
- 2 sets of knives in protective box
- 2 sets of knife quick-changing cassettes
- 1 set of knife protecting device
- 1 set of trimming plates (7 pcs.)
- 1 set of clamping plates (6 pcs.)
- 1 set of size plates (17 pcs.)
- 5 sets of cutting sticks
- 180 x 180 mm scrap exhaust connection port
- Electrical system for 220/380 VAC three-phase current, 50 Hz (including switch cabinet with connection cable)
- Operating tools
- Operating Instructions manual
- Spare parts assortment

Options & Special Accessories

- High-speed steel and carbide-tipped spare knives
- Spare head and tail gauges
- Spare pusher plates
- Sloping conveyor
- Pile feeding: Size: Unfinished Max. 260 x 350 mm; Min. 85 x 115 mm; Finished Min. 80 x 105 mm; Feed height: Max. 45 mm; Copy min. thickness: 2 mm; Cycle rate: Corresponding to the max. feeding capacity of 160 A4 copies/min.
- Small-size trimming device: Size: Unfinished Min. 85 x 115 mm; Finished Min. 80 x 105 mm
- Right-hand feeding
- Silicone spraying device

Specifications and illustrations are subject to modifications.