

colibri

— 76 & 108 —

Full flood varnishing
for sheet substrates



For professional applications: up to sheet size 108 × 145 cm (42.5 × 57.1 in)

With high speed: up to 12 000 sheets per hour; up to 120 meter / 394 feet per minute

With high quality: highest gloss with low varnish lay down

For maximum availability: industrial made, easy to operate, fast job-changes

For minimal operating costs: robust, gripperless technology

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Modular concept with various options



Basis system

Sheet conveyor system, sheet cleaning unit (calender)

Roller coater for full flood varnishing

Air knife system for paper

UV-dryer

Options

Non-stop function for increased productivity

IR module for higher gloss

Cooling unit to avoid sticking of sheets

Ionized air on feeder and stacker

«colibri 76»: sheet length extension up to 1080 mm / 42.5 in

«colibri 108»: working height 1450 mm / 57.1 in with operation platform

Additional modules

Sheet pre-piling with and without carriage

Heated varnish tank with timer

Provision for strip coating

Provision for water-based varnish

Sample gate with inspection table

Corona

High quality finishing for all kind of applications



Calendar



Strip coating (optional)



Air knife

The colibri systems are a result of decades of continuous development. They set benchmarks for quality, productivity, efficiency and versatility. With a performance of up to 12 000 sheets per hour colibri systems are the ideal complement for professional printers in all fields. This includes packaging and commercial printing as well as web2print and book printing. Due to their sheet cleaning unit colibri systems deliver constant high quality with highest gloss - even with little varnish.

Steinemann has more than 40 years of experience as a leading manufacturer of high-end finishing systems. Thus the industrial made of colibri systems stands for reliability, durability and low maintenance. For printers placing value on high quality and productivity colibri systems are the first choice.

Advantages of colibri systems:

- High quality:
Highest gloss with little varnish
- Substrate diversity:
Adhesive labels, paper, cardboard, plastic, magnetic, etc. - from 80 to 600 g/m²
- High productivity:
Short setup times, hardly any waste and high working speed
- Low varnish and operating costs:
Little varnish consumption, robust, gripper-less technology, little maintenance

Technical data basic systems

Substrate			SI units	US units
Sheet size (width × length)	«colibri 108»	max. min.	1 080 × 1 450 mm 290 × 320 mm	42.5 × 57.1 in 11.4 × 12.6 in
	«colibri 76»	max. min.	760 × 760 (1 080) mm 290 × 310 mm	30 × 30 (42.5) in 11.4 × 12.2 in
Sheet weight			100 – 600 g/m ²	67.6 – 405.4 lbs
Sheet thickness			0.08 – 0.8 mm	0.003 – 0.03 in
Sheet type			Paper, cardboard, plastic and laminated substrates	Paper, cardboard, plastic and laminated substrates
Pile height with EURO-pallett			1 080 (940 + 140) mm	42.5 (37 + 5.5) in
Pile weight	«colibri 108»	max.	1 600 kg	3 500 lbs
	«colibri 76»	max.	1 000 kg	2 200 lbs

Performance

Working speed			20 – 120 m/min.	65 – 394 fpm
Output without air knife		max.	12 000 s/h 120 m/min.	12 000 s/h 394 fpm
Output with air knife		max.	9 000 s/h 90 m/min.	9 000 s/h 295 fpm
Output with clogged counter pressure roller		max.	4 500 s/h	4 500 s/h
Output at sheet length 700 mm / 27.6 in, sheet distance 130 mm / 5.1 in		max.	8 600 s/h	8 600 s/h
Output at sheet length 1 450 mm / 42.5 in, sheet distance 200 mm / 7.9 in (only «colibri 108»)		max.	4 360 s/h	4 360 s/h

Roller coater for full flood varnishing

Varnish lay down			2 – 10 g/m ²	1.4 – 6.8 lbs
Varnish type (optional)			UV varnish (water-based varnish)	UV varnish (water-based varnish)
Varnish viscosity			40 sec at 20° C 20 sec at 40° C	DIN Cup 4 DIN Cup 4
			40 sec at 20° C 20 sec at 40° C	DIN Cup 4 DIN Cup 4

Dimensions

Dimensions (length × height × width)	«colibri 108»		12.7 × 2.2 × 2.2 m	41.7 × 7.2 × 7.2 ft
	«colibri 76»		10.5 × 2.2 × 1.8 m	34.5 × 7.2 × 5.9 ft

The performance may vary with ambient conditions, humidity of the substrate, type of substrate used and working speed. All technical data represent approximate values. Steinemann reserves the right to make mechanical and design modifications.

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