

1. TECHNICAL SPECIFICATIONS

GENERAL ENVIRONMENTAL INFORMATION

THE PROCESSOR DOES NOT CONTAIN

- Ozone depleting substances according to Montreal Protocol.
- Asbestos.
- PCB or PCT.
- Mercury.
- Cadmium.
- Lead as additive to plastic parts.

PLASTIC PARTS

Plastic parts >50g are marked according to ISO 11469.

BATTERIES

No batteries in this equipment.

END OF LIFE

Estimated product life: 7 years
Spare parts and service period:
7 years after last sales.

PACKAGING

Plastic packaging materials are marked according to ISO 11469.

CHEMICAL EMISSIONS

Ozone:	0 mg/m ³
Dust:	0 mg/m ³
Styrene:	0 mg/m ³

NOISE EMISSION

Acoustical noise according to ISO 11201:1996

Sound pressure level:

Operational mode:	56.6 dB
Stand-by mode:	15 dB

PROCESSING MATERIALS

PROCESSING MATERIALS

- Rapid access.
- Hard dot materials.
- Imagesetting films and papers.
- Daylight films.
- Repro films.
- **Some models only:** Polyester plates. See below.
- **Some models only:** PCB materials. See below.

POLYESTER MATERIALS

NOTE! Some models only

Some processors are specially designed for developing of polyester materials.

Special technical information and specifications regarding "polyester" processors will be described separately throughout the manual.

"PCB" PROCESSORS

NOTE! Some models only.

Some processors are specially designed for PCB productions.

Special technical information and specifications regarding "PCB" processors will be described separately throughout this manual.

FILM WIDTH

Model 55 (21):	10.0 cm - 55.0 cm	(4" - 21.7")
Model 72 (28):	10.0 cm - 72.5 cm	(4" - 28.5")
Model 86 (34):	10.0 cm - 86.5 cm	(4" - 34.0")

FILM LENGTH

SHEET AND ROLL MATERIAL:

Min.-max.: 12.0 cm - 30.0 m (4.7" - 1181.1")

POLYESTER MATERIAL:

Min.-max.: 20.0 cm - 3.0 m (7.9" - 118.1")

PCB MATERIAL:

NOTE! Some models only.

Model 55 (21): Not available

Model 72 (28): Max. 96 cm (37.8")

Model 86 (34): Max. 110 cm (43.3")

FILM THICKNESS

SHEET AND ROLL MATERIAL:

Min.-max.: 0.08 mm - 0.2 mm (0.003" - 0.008")

POLYESTER MATERIAL:

NOTE! Some models only.

See Appendix A "FILM THICKNESS, POLYESTER MATERIAL".

PCB MATERIAL:

NOTE! Some models only.

Min.-max.: 0.01 cm - 0.2 mm (0.004" - 0.008")

SPECIFICATIONS SPEED

MODEL 55/72/86 AND 21/28/34

DEV. TIME

10 - 60 sec.

TRANSPORT SPEED

33 - 198 cm/min. (13-78"/min.)

DRY-TO-DRY TIME

42 - 253 sec.
84 sec. at 20 sec. developer time.

MODEL 72/86 PCB AND 28/34 PCB

DEV. TIME (PCB)

20 - 120 sec.

TRANSPORT SPEED (PCB)

16,5 - 99 cm/min. (6,5 - 39"/min.)

DRY-TO-DRY TIME (PCB)

84 - 506 sec.
338 sec. at 80 sec. developer time.

CONVERSION TABLE

Dev. time in sec.	Transport speed cm/min. (in/min.)	Dry-to-dry in sec.
60	33.0 (13.0)	253
55	36.0 (14.2)	232
50	39.6 (15.6)	211
45	44.0 (17.3)	190
40	49.5 (19.5)	169
35	56.6 (22.3)	148
30	66.0 (26.0)	127
25	79.2 (31.2)	106
20	99.0 (39.0)	84
15	132.0 (52.0)	63
10	198.0 (78.0)	42

CONVERSION TABLE (PCB)

Dev. time in sec.	Transport speed cm/min. (in/min.)	Dry-to-dry in sec.
120	16.5 (6.5)	506
115	17.5 (6.9)	485
110	18.0 (7.1)	464
105	19.0 (7.5)	443
100	19.8 (7.8)	422
95	20.9 (8.2)	401
90	22.0 (8.7)	380
85	23.4 (9.2)	359
80	27.8 (9.7)	338
75	26.5 (10.4)	317
70	28.3 (11.1)	296
65	30.7 (12.1)	274
60	33.0 (13.0)	253
55	36.0 (14.2)	232
50	39.6 (15.6)	211
45	44.0 (17.3)	190
40	49.5 (19.5)	169
35	56.6 (22.3)	148
30	66.0 (26.0)	127
25	79.2 (31.2)	106
20	99.0 (39.0)	84

SPECIFICATIONS MECHANICAL

TANK CAPACITIES

Model 55/21:	Dev:	15.5 l	(4.1 US gal.)
	Fix:	15.5 l	(4.1 US gal.)
	Wash:	14.0 l	(3.7 US gal.)
Model 72/28:	Dev:	18.5 l	(4.9 US gal.)
	Fix:	18.5 l	(4.9 US gal.)
	Wash:	17.0 l	(4.5 US gal.)
Model 86/34:	Dev:	21.5 l	(5.7 US gal.)
	Fix:	21.5 l	(5.7 US gal.)
	Wash:	20.0 l	(5.3 US gal.)

Tank capacities listed above do not include contents of circulation systems and filters.

TEMPERATURES

Dev :	20 - 40°C	(68 - 122° F)
Fix :	20 - 40°C	(68 - 122° F)
Dryer :	30 - 60°C	(86 - 140° F)

HOSE CONNECTIONS

Water supply:	12 mm reinforced hose (3/4" or 1/2" male thread)	
	Water hose and fittings are delivered with the processor.	
Drains:	Dev:	25 mm (1")
	Fix:	25 mm (1")
	Wash:	25 mm (1")
	Drain hoses and fittings are delivered with the processor.	
Dryer, Air exhaust:	100 mm	(4")

WATER SUPPLY

Consumption:		
in operate:	3.3 l/min	(0.9 gal./min.)
in stand-by:	0.0 l/min	(0.0 gal./min.)
Pressure:	1.5 - 4 bar	(22 - 60 psi)
Temperature:	5-40°C	(41-104°F)

CAUTION! Water pressure must not exceed 6 bar (87 psi).

DEVELOPER FILTER

Some models are equipped with a developer filter.		
Type:	5 micron filter.	
Average lifetime:		
Model 55/21:	1000 m ²	(10,764 ft ²)
Model 72/28:	1000 m ²	(10,764 ft ²)
Model 86/34:	1000 m ²	(10,764 ft ²)

Default setting is 1000 m².
Setting range is 0 m to 1500 m².

FIXER FILTER

Some models are equipped with a fixer filter.		
Type:	5 micron filter.	
Average lifetime:		
Model 55/21:	1000 m ²	(10,764 ft ²)
Model 72/28:	1000 m ²	(10,764 ft ²)
Model 86/34:	1000 m ²	(10,764 ft ²)

Default setting is 1000 m².
Setting range is 0 m to 1500 m².

NOISE LEVEL

In operate:	< 70 dB (A)
In stand-by:	< 70 dB (A)

WEIGHT

See Appendix A.

SILVER RECOVERY UNIT

NOTE! Some models only.

See separate manual for technical specifications.