General Specifications for PlateDriver 4 – 4HS – 8 – 8HS

22.03.02

PlateDriver Unit

Media thickness supported
0,15-0,30 mm (6-12 mil)

Exposure technology
Internal drum, 243°

Resolutions
1270/2540/1588/3175 dpi or
1200/1800/2400 dpi

Screen ruling
Up to 400 lines/cm (1016
lines/inch) w. FlowDrive and finesse
screening library

Repeatability
+4µm (0.16 mil) for four
successive imagings

Semi-automatic plate handling
Minimum format:
335 x 450 mm (13.1 x 17.7")
Manuel feeding, automatic exposure
and online plate processing

Fully-automatic plate handling
Minimum format:
370 x 450 mm (14.6 x 17.7")
Automatic loading
Online plate processing
Fully daylight operation
5 plate magazines with up to:
- 100 plates/magazine
 (0,15 mm/6 mil) of
- 80 plates/magazine
 (0,20 mm/8 mil) or
- 60 plates/magazine
 (0,30 mm/12 mil)

Register system
MultiPunch customer
specified internal register
system, head and/or tail
punch

Power Supply
semi-automatic
Power consumption: 4600VA
Frequency: 50 or 60 Hz ± 2.5%

Power Supply
fully-automatic
Power consumption: 6900VA
Frequency: 50 or 60 Hz ±2.5%

Dimensions semi-automatic

Height:	1210 mm (47.6")
Width:	1640 mm (64.6")
Depth:	1530 mm (60.2")
Weight:	1100 kg (2425 lbs)

Dimensions fully-automatic

Height:	2100 mm (82.7")
Width:	1520 mm (59.8")
Depth:	2800 mm (110.2")
Weight:	2070 kg (4565 lbs)

Operator Console:
The PlateDriver is operated from the
dedicated control software: Esko-
Graphics Commander, accessible from
any local or remote Windows
NT/Windows 95 workstation.

Operating Environment:
The semi-automatic versions of the
PlateDriver must be operated in yellow
safelight conditions, if configured with
violet laser, according to the plate
media specifications

The fully-automatic versions of the
PlateDriver are operated in full daylight.

General Operating Conditions:
Temperature: 15-28ºC (59-82ºF)
Humidity: 30-70% RH, non-condensing

Storage Environment:
Temperature: -5-50ºC (23-122ºF)
Humidity: max. 80% RH, non-condensing

Acoustic Noise:
Max. 55 dBA
Safety:
CE marked and UL approved

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Technical Specifications – PlateDriver 4 – 8 – 4HS – 8HS – Continued

	PlateDriver 4	PlateDriver 8	PlateDriver 4HS	PlateDriver 8HS
Maximum format	680 x 788 mm (26.7 x 31")	800 x 1075 mm (31.5 x 42.3")	680 x 788 mm (26.7 x 31")	800 x 1075 mm (31.5 x 42.3")
Spinner speed	36,000 rpm	36,000 rpm	55,000 rpm	55,000 rpm
Imaging speed	plates/hour	plates/hour	plates/hour	plates/hour
1200 dpi:	38	34	46	42
1270 dpi:	37	32	45	41
1588 dpi:	33	28	41	36
1800 dpi:	30	26	38	34
2400 dpi:	25	21	33	28
2540 dpi:	24	20	32	27
3175 dpi:	18	15	27	24
Thermal exposure:				
1588 dpi:	25	22		
1800 dpi:	23	20		
2400 dpi:	19	16		
2540 dpi:	18	15		
3175 dpi:	18	15		
Light source				
Violet diode laser:	405 nm	405 nm	405 nm	405 nm
Argon Ion laser:	488 nm	488 nm		
FD Nd YAG laser:	532 nm	532 nm		
Thermal fiber laser:	1064 nm	1064 nm		
Plates supported	Silver halide, photopolymer and thermal plates	Silver halide, photopolymer and thermal plates	Silver halide, photopolymer plates	Silver halide, photopolymer plates
Options	Upgrade from one type of laser to another Upgrade to PlateDriver 4 HS high-speed version with violet laser Upgrade to 8-up format MultiPunch register system, head and/ or tail Online plate processor	Upgrade from one type of laser to another Upgrade to PlateDriver 8 HS high-speed version with violet laser MultiPunch register system, head and/ or tail Online plate processor	Upgrade to 8-up format MultiPunch register system head and/or tail Online plate processor	MultiPunch register head and/or tail Online plate processor
Online Plate Processor				
G & J Raptor 68	x			
G & J Raptor 85		x		
G & J Interplater 85 HD	thermal	thermal	thermal	thermal
Agfa LS 82			x	x
Agfa VSP 85	x	x	x	x

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