

# PlateJet® Specifications Visible Light

	PlateJet® Emerald / 4up – B2	PlateJet® Sapphire	PlateJet® Sapphire Plus
MAXIMUM MEDIA SIZE	37 x 27" / 94 x 69 cm	44 x 36" / 111.7 x 91.4 cm	44 x 36" / 111.7 x 91.4 cm
MEDIA HANDLING	3 point electronic register used with post-punched plates.	Instant change pin bar system for use with pre-punched media.	Instant change pin bar system for use with pre-punched media.
OPTIONS	None	None	Automatic Plate Loading (APL) System
VARIABLE RESOLUTIONS*	Low Res Model: 1000 – 2032 dpi High Res Model: 1800 – 3657 dpi	Low Res Model: 1200 – 2540 dpi High Res Model: 1800 – 3657 dpi	Low Res Model: 1200 – 2540 dpi High Res Model: 1800 – 3657 dpi
PRODUCTIVITY	30 plates/hour @ 1200 dpi (28" / 71.1 cm) 17.2 plates/hour @ 2400 dpi ( 28" / 71.1 cm)	8.75 plates/hour @ 1800 dpi (40" / 102 cm) 7 plates/hour @ 2400 dpi (40" / 102 cm)	23 plates/hour @ 1200 dpi (40" / 102 cm) OR 19 plates/hour with APL 12.6 plates/hour @ 2400 dpi (40" / 102 cm) OR 11.4 plates/hour with APL
AVAILABLE RESOLUTIONS	Variable between 1000-2032 <i>OR</i> 1800 – 3657 dpi (144 lines/mm)	Variable between 1200-2540** <i>OR</i> 1800 – 3657 dpi (144 lines/mm)	Any five between 1200-2540** <i>OR</i> 1800 – 3657 dpi (144 lines/mm)
SCREENING RULING	Low Res: 85 to 150 lpi, High Res: 85 to 300 lpi	Low Res: 85 to 175 lpi, High Res: 85 to 300 lpi	Low Res: 85 to 175 lpi, High Res: 85 to 300 lpi
REPEATABILITY	± 0.0002" / 0.005 mm pixel placement	± 0.0002" / 0.005 mm pixel placement	± 0.0002" / 0.005 mm pixel placement
LIGHT SOURCE	Frequency-doubled YAG laser, 532 nm	Frequency-doubled YAG laser, 532 nm	Frequency-doubled YAG laser, 532 nm
MATERIAL SIZES SUPPORTED CROSS-SCAN X ALONG-SCAN	Maximum 37 x 27" / 94 x 69 cm Minimum: 10 x 15" / 25.4 x 38.1 cm	Maximum 44 x 36" / 111.7 x 91.4 cm Minimum: 20 x 15.75"/ 50.8 x 40.0 cm	Maximum 44 x 36" / 111.7 x 91.4 cm Minimum: 20 x 15.75" / 50.8 x 40.0 cm
MATERIAL TYPES SUPPORTED	Visible-light Aluminum Plates: 0.006 – 0.012" / 0.15 – 0.30 mm Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18 mm Polyester plates: 0.004 – 0.012" / 0.10 – 0.30 mm Graphic Arts Paper: 0.004 – 0.007" / 0.10 – 0.18 mm	Visible-light Aluminum Plates: 0.006 – 0.012" / 0.15 – 0.30 mm Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18 mm Polyester plates: 0.004 – 0.012" / 0.10 – 0.30 mm Graphic Arts Paper: 0.004 – 0.007" / 0.10 – 0.18 mm	Visible-light Aluminum Plates: 0.006 – 0.012" / 0.15 – 0.30 mm Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18 mm Polyester plates: 0.004 – 0.012" / 0.10 – 0.30 mm Graphic Arts Paper: 0.004 – 0.007" / 0.10 – 0.18 mm
CONNECTIVITY	Ultra2 SCSI Interface	Ultra2 SCSI Interface	Ultra2 SCSI Interface
DIMENSIONS (W X H X D)	63 x 63 x 36" / 160 x 160 x 92 cm excluding tray	83 x 63 x 36" / 211 x 160 x 91.5 cm excluding tray	83 x 63 x 36" / 211 x 160 x 91.5 cm excluding tray
ELECTRICAL	230 VAC ± 10%, 50/60 Hz, 1,200 VA	230 VAC ± 10%, 50/60 Hz, 1,200 VA	230 VAC ± 10%, 50/60 Hz, 1,200 VA
HUMIDITY	40% – 50% relative humidity, non-condensing	40% – 50% relative humidity, non-condensing	40% – 50% relative humidity, non-condensing

\*Addressable resolution dependent on media response

\*\*Special order product

# PlateJet® Specifications Thermal

	PlateJet® Sapphire / 4-up-B2 / Thermal	PlateJet® Sapphire / Sapphire HC / Thermal	PlateJet® Sapphire Plus / Thermal
<b>MAXIMUM MEDIA SIZE</b>	32 x 30" / 81.3 x 76.2 cm	44 x 36" / 111.7 x 91.4 cm	44 x 36" / 111.7 x 91.4 cm
<b>MEDIA HANDLING</b>	Instant change pin bar system for use with pre-punched media.	Instant change pin bar system for use with pre-punched media.	Instant change pin bar system for use with pre-punched media.
<b>OPTIONS</b>	Format size upgrade to 8-up / B1	Productivity Upgrade*	Automatic Plate Loading (APL) System
<b>PRODUCTIVITY</b>	15 plates/hour @ 1800 dpi (28" / 71.1 cm) 11.9 plates/hour @ 2400 dpi (28" / 71.1 cm)	8.75 plates/hour @ 1800 dpi (40" / 102 cm) 7 plates/hour @ 2400 dpi (40" / 102 cm)	11 plates/hour @ 1800 dpi (40" / 102 cm) OR 10 plates/hour with APL 8.4 plates/hour @ 2400 dpi (40" / 102 cm) OR 7.9 plates/hour with APL
<b>AVAILABLE** RESOLUTIONS</b>	Variable between 1800 – 2540 dpi Plus fixed – 3600 dpi	Variable between 1800 – 2540 dpi Plus fixed – 3600 dpi	Variable between 1800 – 2540 dpi Plus fixed – 3600 dpi
<b>SCREENING RULING</b>	85 to 200 lpi	85 to 200 lpi	85 to 300 lpi
<b>REPEATABILITY</b>	± 0.0002" / 0.005 mm pixel placement	± 0.0002" / 0.005 mm pixel placement	± 0.0002" / 0.005 mm pixel placement
<b>LIGHT SOURCE</b>	Thermal laser diode array, 830 nm	Thermal laser diode array, 830nm	Thermal laser diode array, 830 nm
<b>MATERIAL SIZES SUPPORTED CROSS-SCAN X ALONG-SCAN</b>	Maximum 32 x 30" / 81.3 x 76.2 cm Minimum: 10 x 15" / 25.4 x 38.1 cm	Maximum 44 x 36" / 111.7 x 91.4 cm Minimum: 20 x 15.75" / 50.8 x 40.0 cm	Maximum 44 x 36" / 111.7 x 91.4 cm Minimum: 20 x 15.75" / 50.8 x 40.0 cm
<b>MATERIAL TYPES SUPPORTED</b>	Thermal Aluminum CTP Plates: 0.006 – 0.012" / 0.15 – 0.30 mm Thermal Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18 mm	Thermal Aluminum CTP Plates: 0.006 – 0.012" / 0.15 – 0.30mm Thermal Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18mm	Thermal Aluminum CTP Plates: 0.006 – 0.012" / 0.15 – 0.30 mm Thermal Graphic Arts Film: 0.004 – 0.007" / 0.10 – 0.18 mm
<b>CONNECTIVITY</b>	Ultra2 SCSI Interface	Ultra2 SCSI Interface	Ultra2 SCSI Interface
<b>DIMENSIONS (W X H X D)</b>	83 x 63 x 36" / 211 x 160 x 91.5 cm excluding tray	83 x 63 x 36" / 211 x 160 x 91.5 cm excluding tray	83 x 63 x 36" / 211 x 160 x 91.5 cm excluding tray
<b>ELECTRICAL</b>	230 VAC ± 10%, 50/60 Hz, 1,200 VA	230 VAC ± 10%, 50/60 Hz, 1,200 VA	230 VAC ± 10%, 50/60 Hz, 1,200 VA
<b>HUMIDITY</b>	40% – 50% relative humidity, non-condensing	40% – 50% relative humidity, non-condensing	40% – 50% relative humidity, non-condensing

\*Productivity upgrade not available for PlateJet Sapphire HC

\*\*Addressable resolution dependent on media response