

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 |
|---|--|--|--|
| MAXIMUM MEDIA SIZE | 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 |
| MEDIA HANDLING | 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. |
| OPTIONS | Format size upgrade to 8-up / B1 | Productivity Upgrade* | Automatic Plate Loading (APL) System |
| PRODUCTIVITY | 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 |
| AVAILABLE** RESOLUTIONS | 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 |
| SCREENING RULING | 85 to 200 lpi | 85 to 200 lpi | 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 | Thermal laser diode array, 830 nm | Thermal laser diode array, 830nm | Thermal laser diode array, 830 nm |
| MATERIAL SIZES SUPPORTED CROSS-SCAN X ALONG-SCAN | 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 |
| MATERIAL TYPES SUPPORTED | 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 |
| CONNECTIVITY | Ultra2 SCSI Interface | Ultra2 SCSI Interface | Ultra2 SCSI Interface |
| DIMENSIONS (W X H X D) | 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 |
| 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 |

*Productivity upgrade not available for PlateJet Sapphire HC

**Addressable resolution dependent on media response

