

WATERLESS OFFSET PRINTING

IMPRIMA™ SD, Super High-Resolution thermal negative CTP printing plate

Super High Resolution Waterless Printing plate can be utilized to consistently print images with a resolution of less than 10 micron.

Technical Data	
Type	IMPRIMA™ SD
Feature	Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm
Application	Security / High Definition printing
Plate base	Aluminum
Gauge	0.15 mm, 0.30 mm
Available sizes	All common plate sizes
Sensitivity	80-140 mJ/cm ² <i>(Dependent on imager type, configuration and resolution)</i>
Resolution	AM screening: 1-98% @ 450 lpi (180 l/cm) FM screening: 1-99 % with Staccato 10 Hybrid screening: 1-99 % e.g. Sublima 340
Compatibility with FM screening	≤ 10 μm
Daylight resistance	Up to 3 hours under standard safe-light conditions
Run length	Non UV: up to 60.000 / With UV: up to 30.000 <i>Dependent upon image resolution, press, press chemicals, ink and paper conditions</i>
Processors	Toray TWL 650F Waterless Plate processor Toray TWL 1160F2 Waterless Plate processor Heights TWP 680/1250 Waterless Plate processor Könings KTW 653/853 Waterless Plate processor
Processing	Step 1 - PX <i>(pre-treatment)</i> Step 2, 3 - Water: 5 ⁰ -8 ⁰ dH, 20 ⁰ -25 ⁰ C Step 4 - AX <i>(after-treatment):</i>
Pre-treatment temperature	35°C +/- 1 ⁰ C
Processing speed	30-80 cm/min
Dwell time	Dip to Nip: 45 - 90 sec. <i>(Dependent on processor type)</i>
Plate finisher	Not applicable

Learn more about Toray Waterless Printing

Please visit: www.imprima.toray

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