

## WATERLESS OFFSET PRINTING



High-Resolution digital thermal negative waterless CTP printing plate  
Delivers the highest resolution, outstanding sharp detail and stability, demanded for high quality waterless printing applications

Technical Data	
<b>Type</b>	<b>IMPRIMA™ GC</b>
<b>Feature</b>	Non ablative, negative working, digital thermal waterless printing plate with a wavelength of 830 nm
<b>Application</b>	<b>Demanding High Resolution applications</b> Developed for waterless printers who are demanding a plate with outstanding resolutions, excellent unbaked durability and chemical resistance
<b>Plate base</b>	Aluminum
<b>Gauge</b>	0.15 mm, 0.24 mm, 0.30 mm
<b>Available sizes</b>	All common plate sizes
<b>Sensitivity</b>	80 - 140 mJ/cm <sup>2</sup> <i>(Dependent on imager type, configuration and resolution)</i>
<b>Resolution @ 2.540 dpi</b>	AM screening: 2-98% @ 240 lpi (96 l/cm) FM screening: 1-99 % with Staccato 20 Hybrid screening: 1-99 % e.g. Sublima 280
<b>Compatibility with FM screening</b>	20 μm
<b>Daylight resistance</b>	Up to 3 hours under standard safe-light conditions
<b>Run length</b>	Dependent upon image resolution, press, press chemicals, ink and paper conditions
<b>Processors</b>	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
<b>Processing</b>	Step 1 - DP-1 <i>(pre-treatment)</i> Step 2, 3 - water: 5 <sup>0</sup> -8 <sup>0</sup> dH, 20 <sup>0</sup> -25 <sup>0</sup> C Step 4 - DA-1 <i>(after-treatment)</i>
<b>Pre-treatment temperature</b>	35°C +/- 1°C
<b>Processing speed</b>	Toray TWL 650F Waterless Plate processor: 30 - 40 cm/min Toray TWL 1160F2 Waterless Plate processor: 50 - 80 cm/min Heights TWP 680/1250 Waterless Plate processor: 50 - 80 cm/min Könings KTW 653/853 Waterless Plate processor: 50 - 80 cm/min
<b>Dwell time</b>	Toray TWL 650F Waterless Plate processor: 60 - 80 sec Toray TWL 1160F2 Waterless Plate processor: 45 - 72 sec Heights TWP 680/1250 Waterless Plate processor: 45 - 72 sec Könings KTW 653/853 Waterless Plate processor: 30 - 48 sec
<b>Plate finisher</b>	Not applicable

### Learn more about Toray Waterless Printing

Please visit: [www.imprima.toray](http://www.imprima.toray)

#### Graphics Division

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