

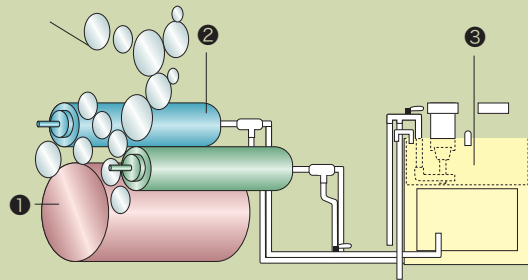
Device for Waterless Printing

■ Dedicated Processor

TWL-1160F II / 650F



■ Cooling system



- ① Cylinder
- ② Cooling roller (Oscillation roller)
- ③ Cooling chiller

■ Dedicated ink



Specifications of TORAY CTP Waterless Plate

Thickness	0.15mm, 0.24mm, 0.30mm, 0.40mm
Sensitivity	Infrared laser 830 nm
Durability	150,000-200,000 impressions (sheetfed)
Exposure energy	150m J/cm ²

Processor for Toray CTP Waterless Plate

•TWL-1160F II

Plate size	Max. width	1160 mm
	Min. length	350 mm
	Thickness	0.15-0.40 mm
Dimension	Width	1690 mm
	Depth	2500 mm
	Height	1030 mm
	Weight	910 kg
Plate transport speed	60-100 cm/min	
Solution tank capacity	20 L/tank	
Developing process	Pre-treatment (Dedicated solution)	
	→Development (Water)	
	→After-treatment (Dedicated solution)	
	→Washing	

Platesetters suitable for Toray CTP Waterless Plate

Machine Type	Manufacturer
Trendsetter series	Kodak
Lotem series	
Magnus series	
PlateRite series	Screen
XPose! series	Lüscher
TopSetter series	Heidelberg
SupraSetter series	

As for suitability to other platesetter, please consult with manufacturer.

TORAY WATERLESS PLATE

⚠ NOTICE

Read Instruction Manual and MSDS of each item before use
All information in this brochure is as of January 2008. Subject to change without notice.

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<http://www.waterless-print.com/en>



This leaflet is printed with Toray CTP Waterless Plate.

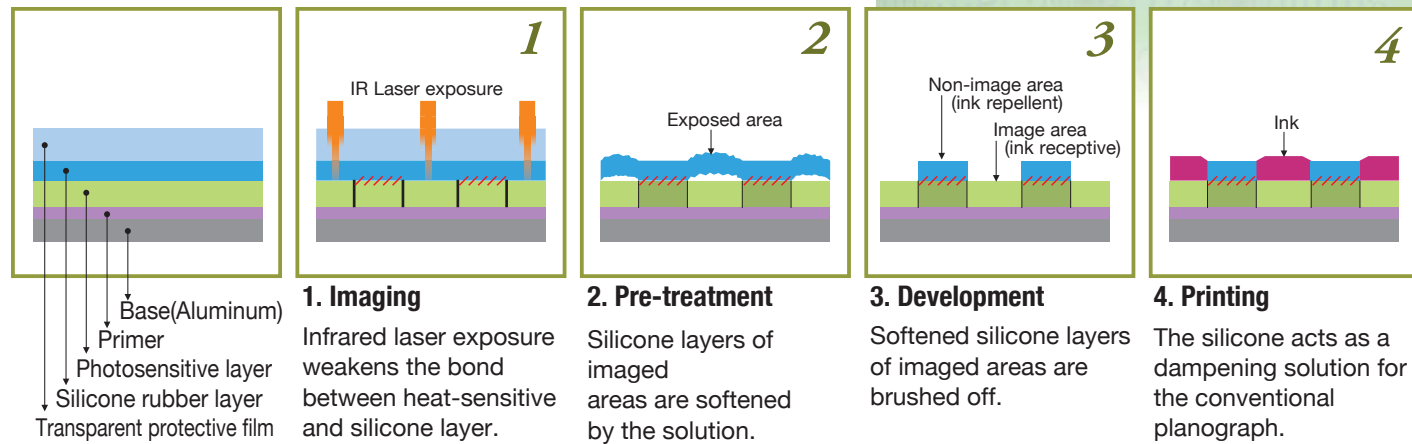
Toray Industries, Inc.

Go with "WATERLESS"!!!

Enrich your colors, stimulate your output and protect the environment



Structure of Toray CTP Waterless Plate



Quality

High durability and resolution

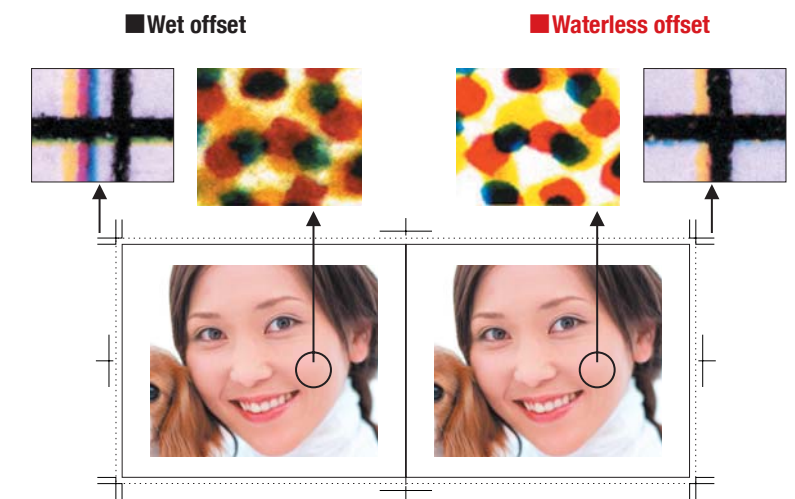
- Superior durability: More than 160,000 impressions without pre-heating/post baking
- Suitable for high-resolution AM and FM screens
- Ideal for UV printing

Compatible with all major thermal plate setters

Thermal plate setters with 830 nm laser heads can be used for plate-making of Toray CTP Waterless Plates in combination with a special plate processor.

Faithful reproduction of dot gain curve

- Easy adjustment of dot gain curve
- Stable dot reproduction
- Fewer fluctuation factors for operators



Improved productivity

Less registration problems on double-sided or thin-paper printing

No water = Less fan-out problems

The result:

- Faster, more accurate registration
- Greater accuracy and minimal make-ready time

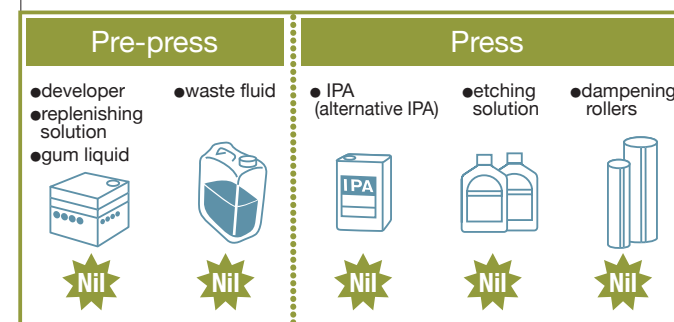
Total cost reduction benefit thanks to high productivity:

- Shorter make-ready time
- Less paper waste
- No need to wash dampening system

The result:

Remarkable improvement in printing press productivity

COST REDUCTION Chemistry and maintenance



COST REDUCTION Waste paper



Significant reduction of running cost

- 1/20th the running costs for plate developing compared to conventional CTP
- No waste fluid disposal costs
- Plate is developed with tap water
- Treatment solution recirculates in the processor

Major VOC emission reduction

Based on measurements by the Environmental Bureau of the Tokyo Metropolitan Government, VOC emissions from Waterless Printing are 60-80% less than those from Wet Offset Printing.

Safe and hygienic working environment without dampening water

Waterless Printing makes it easier to comply with environmental regulations, as it does not require dampening water containing IPA or other harmful additives.

Amount of VOC emission (When setting the VOC amount of Wet Offset Printing as a yardstick)

