

'TORAY'

TORAY IMPRIMA 'J'
LINE OF
**WATERLESS OFFSET
PRINTING PLATES
WITH
CHEMISTRY FREE
PLATE PROCESSING**

True eco-friendly
waterless offset printing:



EXPOSE



WASHOUT



ECO PRINT

 **IMPRIMA**

MAIN ENVIRONMENTAL BENEFITS:

- /// Chemistry free pre-press – Tap water plate processing
- /// No fountain solution needed on press
- /// No tainted water discharge
- /// Less make-ready time
- /// Less make-ready waste
- /// No post baking required for long run jobs
- /// Aluminum plates are 100% recyclable



IMPRIMA J

This line of plates is developed for printers looking for a high quality, high durability, water washable plates; they provide exceptional printing consistency and high sustainability value. With printing resolutions up to 175 lpi, the plates enable printers to produce even the most demanding jobs with ease. The IMPRIMA J line of plates is up to 200% more durable on press than comparable waterless offset printing plates, and offers significant cost savings by reducing make-ready time and waste of materials.

IMPRIMA LJ

Water washable plate for label printers

IMPRIMA WJ

Water washable plate for newspaper printers

IMPRIMA SJ

Water washable plate for security printers

IMPRIMA CJ

Water washable plate for CD/DVD printers

IMPRIMA GJ

Water washable plate for general printing use

CHOOSE TORAY
IMPRIMA WATERLESS
OFFSET PLATES WITH
CHEMISTRY FREE
PLATE PROCESSING
AND REDUCE YOUR
ENVIRONMENTAL
FOOTPRINT.

WHY CHOOSE WATERLESS OFFSET PRINTING?

Waterless offset printing is a 'green' alternative printing system that runs on standard offset presses. The key to waterless printing is a plate that uses a silicone rubber coating to repel ink in non-image areas. This eliminates the need to achieve ink/water balance as is required with conventional offset printing using dampening solution.

MOST OFFSET PRINTERS SHOULD BE ABLE TO EASILY CONVERT TO WATERLESS PRINTING WITH MINIMAL INVESTMENT AND TRAINING.

WATERLESS OFFSET PRINTING ADVANTAGES:

MORE SUSTAINABLE:

- No fountain solution or chemical additives contribute to a safer, cleaner work environment and print.
- Less materials waste at start-up, shorter make-ready time, and faster run-up to color.
- Fewer web breaks due to stable waterless printing process, further cutting time and material waste.
- No water, IPA alcohol or any liquid chemistry is used during waterless printing process.
- 60-80% VOC emission cut in comparison to conventional print.

BETTER QUALITY:

- Is simply achieved by the absence of water, more distinct and sharper dot.
- Waterless offset presses require less maintenance and fewer spare parts – no corrosion caused by water.
- Waterless offset printing delivers a wider colour gamut and is capable of higher screen rulings for the best possible print quality.
- Lower dot gain with waterless offset printing delivers sharper print images and a higher dynamic range in highlights and shadow areas.
- Because there is no stretching of paper during the printing process, waterless offset printing delivers precise registration from start to finish, even for the longest runs.
- Eliminating water removes many variables from the printing process, delivering significantly better printing stability than conventional offset printing.





LEARN MORE ABOUT TORAY WATERLESS PRINTING

Visit

www.imprima.toray

or contact us today to get started.

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