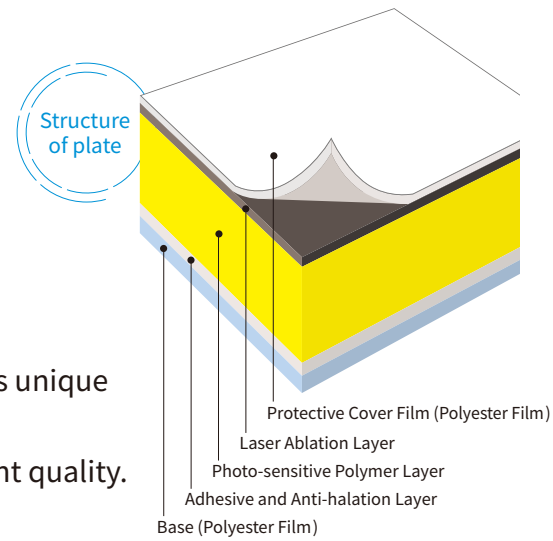
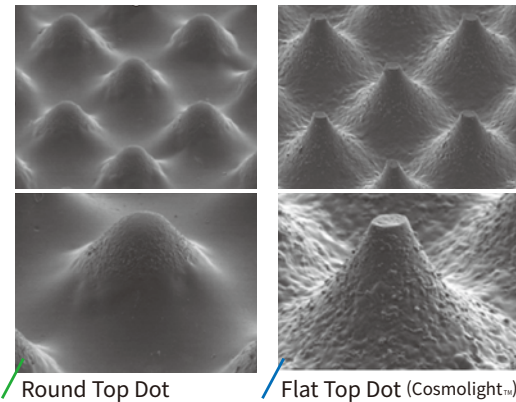


Feature of Cosmolight™ CTP

1. Solvent-free in the plate-making process, toxic-free for operators.
2. Total plate-making time within one hour.
3. Built-in flat top dot reproduced with TOYOBO MC's unique LAMS technology.
It achieves minimum dot gains and consistent print quality.
4. Compatible with various screening technologies.

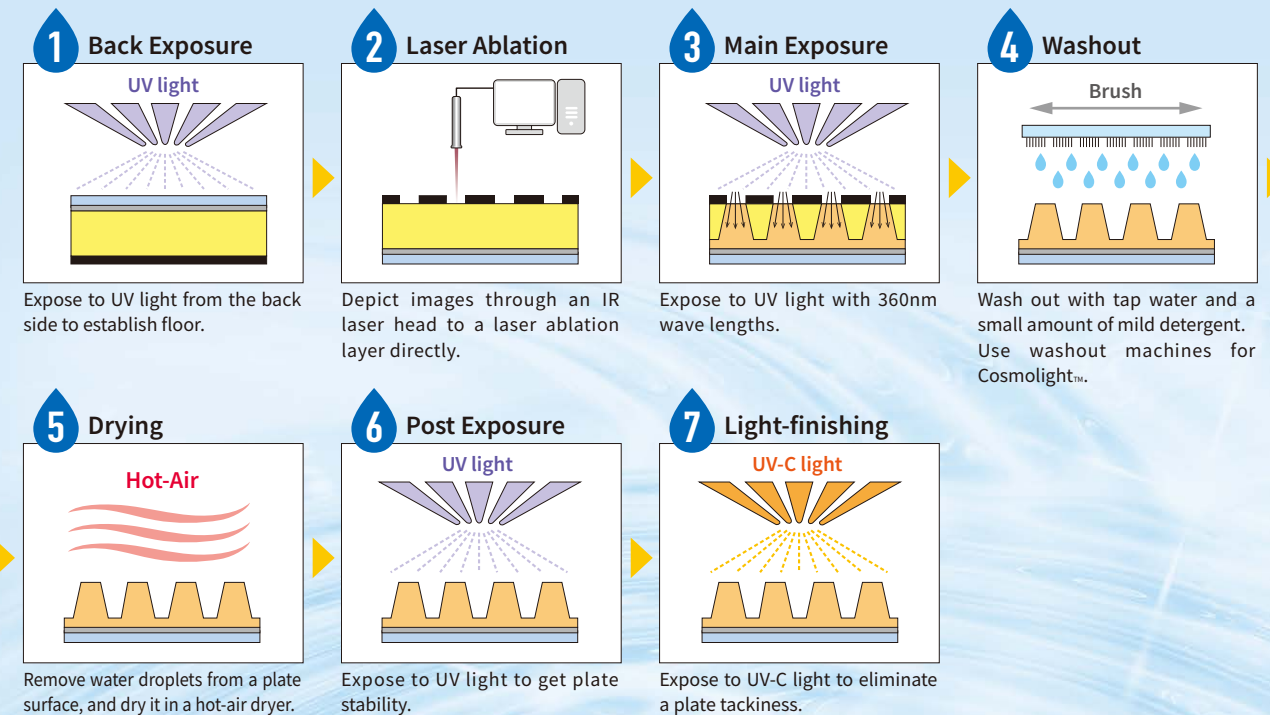


/ Dot Shape /

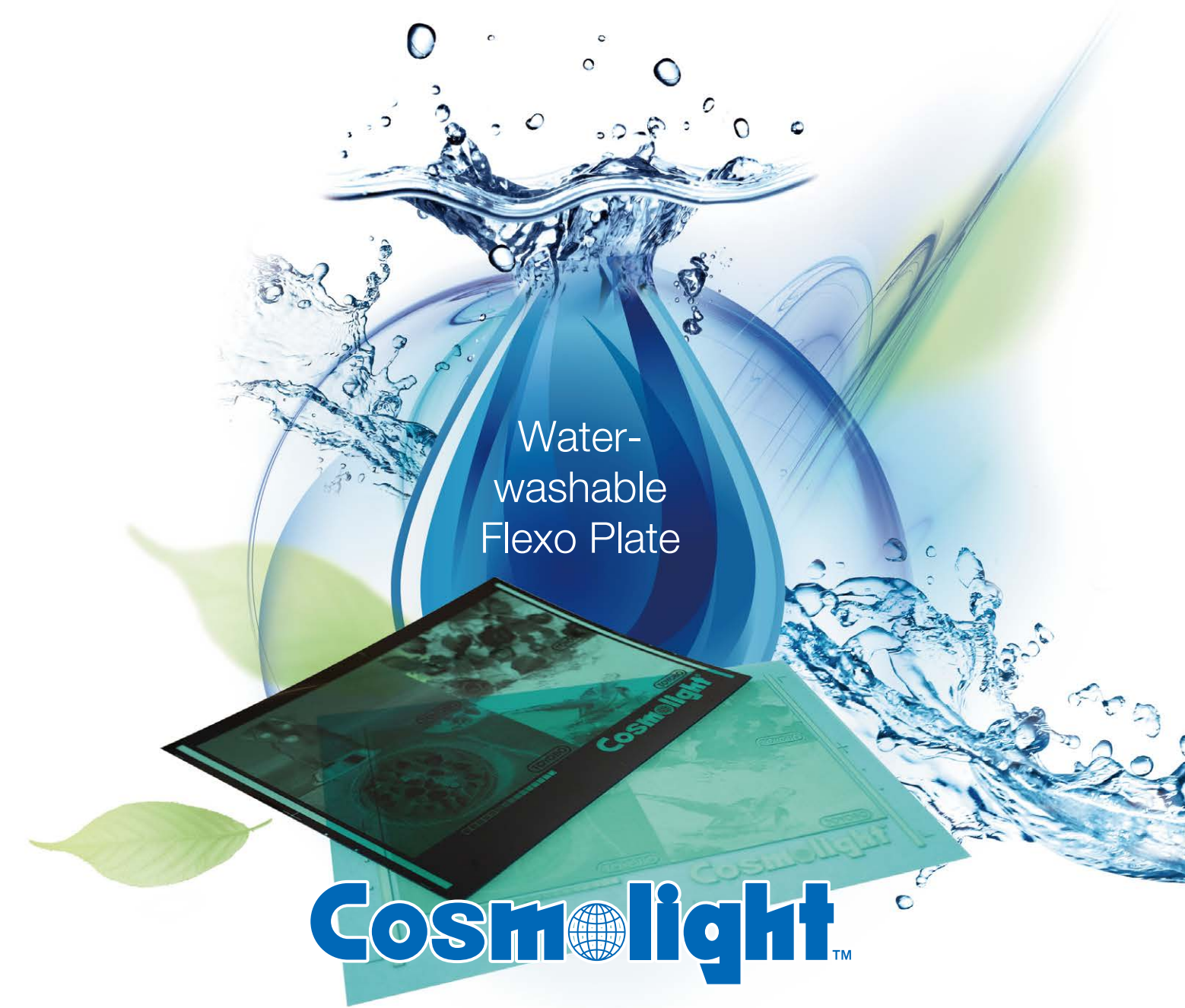


Cosmolight™ CTP Plate-making Process

Washout in tap water at 40°C (104°F) with a small amount of mild detergent.
Cosmolight™ is a solvent-free process that improves a working environment in a plate-making room.



Please follow all the laws and regulations in your district for the treatment of washout solutions.



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All products are produced with a quality control system as certified by "ISO 9001" for the world
2026.05.300 (MHS26036)

TOYOBO MC Corporation

The Environmentally Friendly Way to Process Flexo Plates

Water-washable Flexo Plate
Cosmolight™

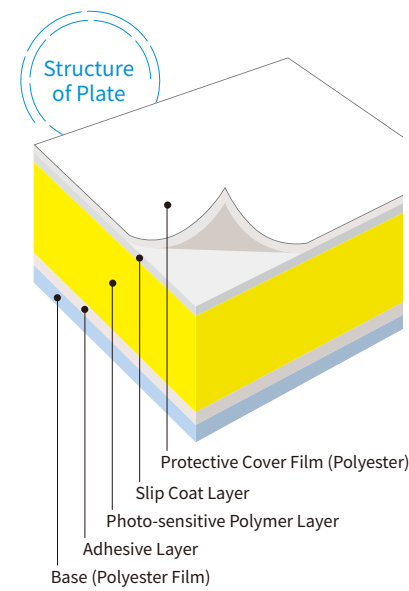
As a pioneer of water-washable letterpress plate, we have developed Cosmolight™, a water-washable flexo plate, that embodies our unique polymer technologies cultivated through extensive experience with Printight™.

This revolutionary plate eliminates the use of toxic, environmentally damaging solvents from a plate-making process to produce a press-ready plate in one hour or less.

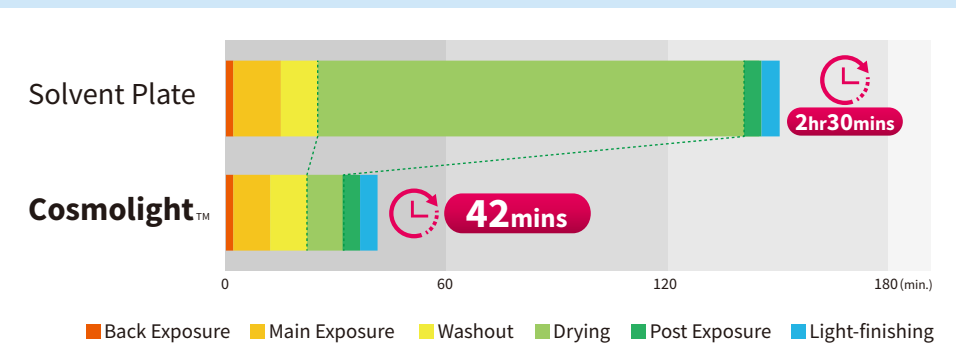
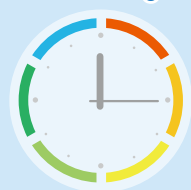
With TOYOBO MC's core technology in polymerization and modification, Cosmolight™ achieved a feature of water-wash and tolerance against water-based ink, as well as solvent-based, alcohol-based and UV inks.

Feature of Cosmolight™

1. Washout in tap water with a small amount of mild detergent. The plate makes the working environment free from dangerous hydrocarbon and hazardous washout solvents.
2. Plates are "press-ready" within an hour and "press-down time" is dramatically reduced.
3. Rich ink transfer and sharp highlight, sometimes referred as contradictory characteristics, are ensured thanks to TOYOBO MC's unique polymer technology.
4. Solvent-based, water-based, alcohol-base and UV ink can be used with excellent resistance.
5. Excellent ink transfer and resistance with water-based varnish and UV varnish.
6. Excellent plate thickness accuracy, allows "kiss-touch" printing pressure.



Comparison of Plate-making Time



Cosmolight™ Type and Application

		Plate Thickness (mm/inch)	Plate Hardness (Shore A)	Screen Reproducibility	Min. Fine Line (μm)	Min. Isolated Dot (μm)	Standard Size (mm / inch)	Application							
								Cloth Tag	Envelope	Folding Carton	Label		Flexible Packaging	Coating	
											Paper	Film		Aqueous Varnish	UV Varnish
CTP	QZ	1.14 / 0.045	81	200lpi 1~95%	20	100	635×762 (25"×30") 900×1200 (35"×47") 1067×1524 (42"×60") 457×610 (18"×24")								
		1.70 / 0.067	74	200lpi 1~95%	20	100									
	QH	0.95 / 0.037	83	175lpi 1~95%	40	150									
		1.14 / 0.045	81	175lpi 1~95%	40	150									
	QS	1.70 / 0.067	76	175lpi 1~95%	40	150									
		1.14 / 0.045	77	175lpi 1~95%	30	100									
		1.70 / 0.067	71	175lpi 1~95%	30	100									
	QT	2.54 / 0.100	65	175lpi 1~95%	30	100									
		2.84 / 0.112	64	175lpi 1~95%	30	100									
	Analog	NZ	1.14 / 0.045	81	175lpi 1~95%	30		100							
1.70 / 0.067			74	175lpi 1~95%	30	100									
NH		0.95 / 0.037	83	175lpi 1~95%	40	100									
		1.14 / 0.045	81	175lpi 1~95%	40	100									
NS		1.70 / 0.067	76	175lpi 1~95%	40	100									
		1.14 / 0.045	77	175lpi 1~95%	30	100									
NTE		1.70 / 0.067	71	175lpi 1~95%	30	100									
		2.54 / 0.100	65	175lpi 1~95%	30	100									
NTE		2.84 / 0.112	64	175lpi 1~95%	30	100									
		1.70 / 0.067	71	150lpi 2~95%	30	200									

※All figures are representative values.