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Toyobo were the original pioneers of water-wash plate technology starting in1977.

All Toyobo plates exhibit best image reproduction, sharp and fine lines with extremely accurate of plate thickness, durometer and resistance for long life and optimised press performance with waterbased, solvent based or UV Cure ink systems all produced according to exacting ISO 9001 Quality Control processes.

Fast, safe, water-wash Analog or Digital plate processing for the absolute lowest environmental impact makes Toyobo your first choice for photopolymer plate technology.

TOYOBO

Beyond Horizons

TOYOBO

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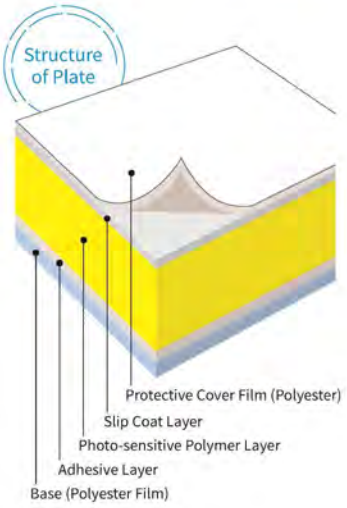
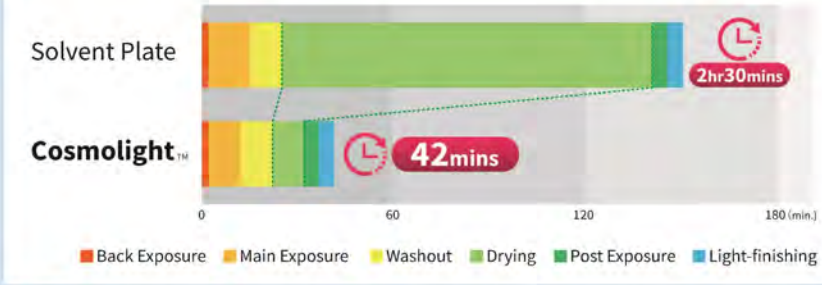
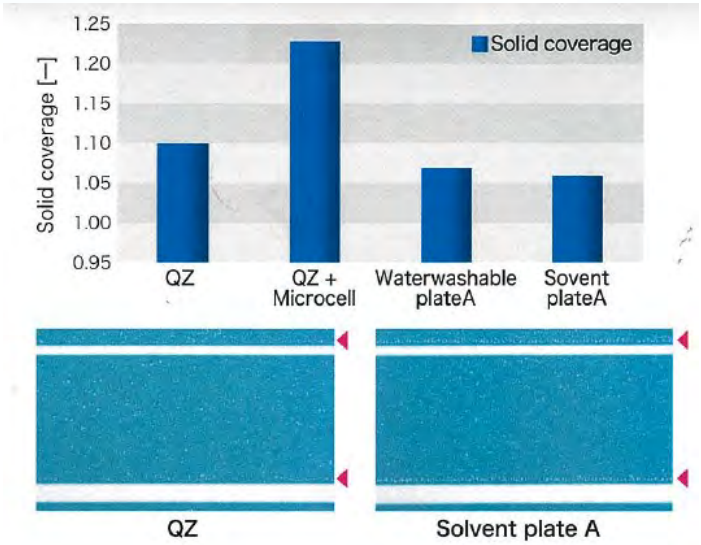
Feature of Cosmolight™

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'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





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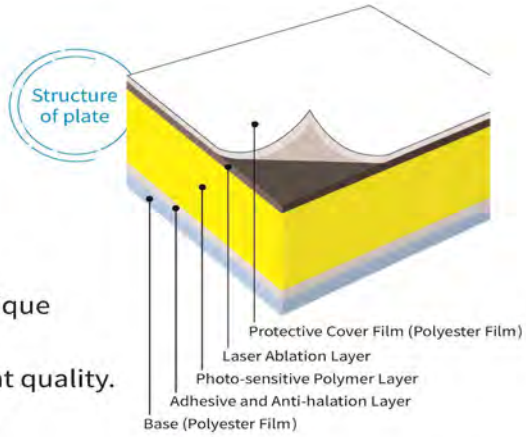
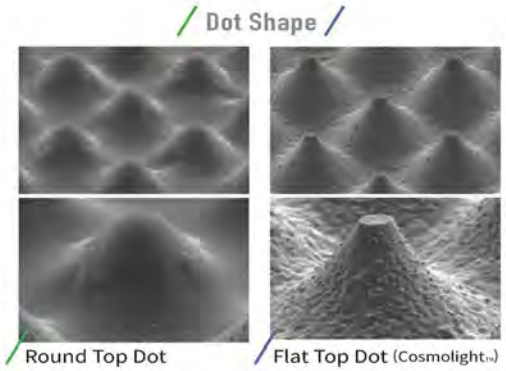
Feature of Cosmolight™ CTP

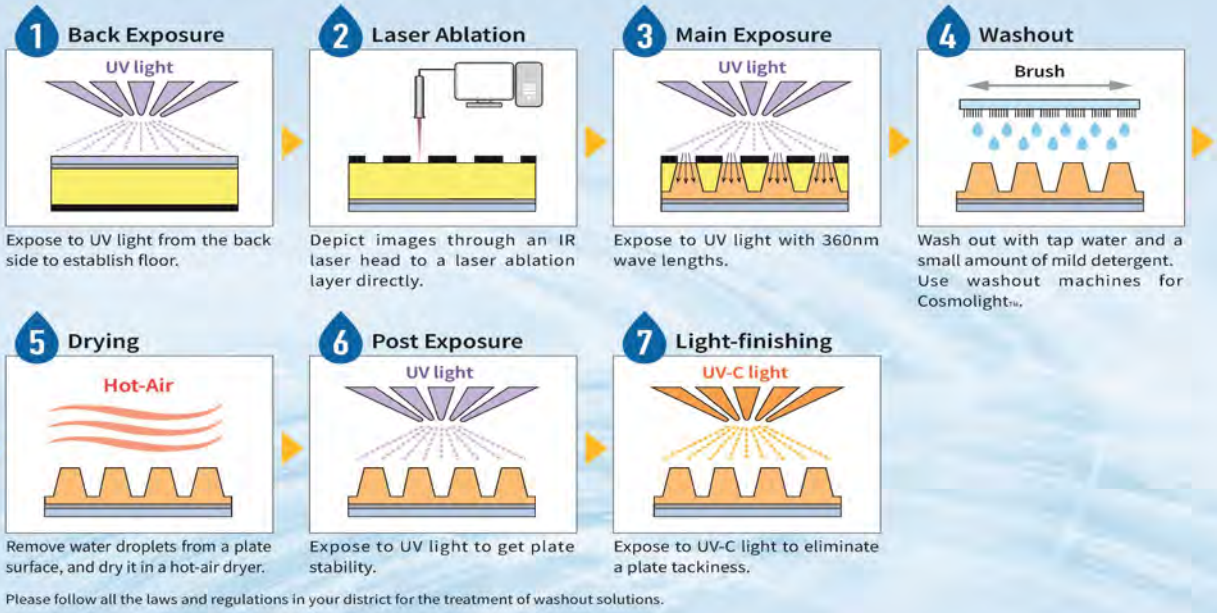
1. Solvent-free in the plate-making process, toxic-free for operators.
2. Total plate-making time within one hour.
3. Built-in flat top dot reproduced with TOYOBO's unique LAMS technology.
   It achieves minimum dot gains and consistent print quality.
4. Compatible with various screening technologies.





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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Cosmolight Type and Application

		Plate Thickness (mm/inch)	Plate Hardness (Shore A)	Screen Reproducibility	Min. Fine Line (μm)	Min. Isolated Dot (μm)	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										
		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										
		1.70 / 0.067	76	175lpi 1～95%	40	150										
	QS	1.14 / 0.045	77	175lpi 1～95%	30	100										
		1.70 / 0.067	71	175lpi 1～95%	30	100										
		2.54 / 0.100	65	175lpi 1～95%	30	100										
		2.84 / 0.112	64	175lpi 1～95%	30	100										
	QO	1.14 / 0.045	71	150lpi 2～95%	50	150										
		1.70 / 0.067	60	150lpi 2～95%	50	150										
		2.54 / 0.100	52	150lpi 2～95%	50	150										
		2.84 / 0.112	50	150lpi 2～95%	50	150										
	QT	1.14 / 0.045	77	150lpi 2～95%	30	200										
		1.70 / 0.067	71	150lpi 2～95%	30	200										
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										
		1.70 / 0.067	76	175lpi 1～95%	40	100										
	NS	1.14 / 0.045	77	175lpi 1～95%	30	100										
		1.70 / 0.067	71	175lpi 1～95%	30	100										
		2.54 / 0.100	65	175lpi 1～95%	30	100										
		2.84 / 0.112	64	175lpi 1～95%	30	100										
	NEO	1.14 / 0.045	71	150lpi 2～95%	50	150										
		1.70 / 0.067	60	150lpi 2～95%	50	150										
		2.54 / 0.100	52	150lpi 2～95%	50	150										
		2.84 / 0.112	50	150lpi 2～95%	50	150										
	NTE	1.14 / 0.045	77	150lpi 2～95%	30	200										
		1.70 / 0.067	71	150lpi 2～95%	30	200										

※All figures are representative values.

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