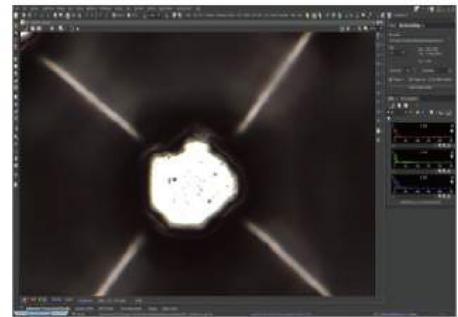# VISTA-CLEAR®
PREMIUM FLEXO PLATES

XTL-FTD

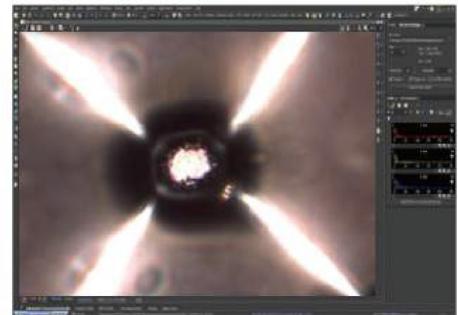Flat Top Dot Flexo Plate - Universal Use

Applications

XTL-FTD is made for high quality printing in a broad range of printing applications. It is especially suitable for flexible packaging printings, plastic film, paper bags, tag & label, napkin, paper cup, notebook and aluminum foil.

Flat Top Dots

Product Features

- Built-in flat top dot digital plate. No additional platemaking steps or equipment are needed.
- The flat top dot shape compresses less, providing a more consistent and stable print surface.
- Extreme 1:1 mask-to-plate imaging capability. Reduced bump-up for extended gamut.
- Durable and low tack.
- Very high resolution and low dot gain.
- Uniform plate thickness, proper shore hardness and resilience to ensure printing quality.

Round Top Dots

Plate-making Process

- Back exposure: Expose the plate through the back to establish the floor. Vary the back exposure time according to relief required. A proper relief helps the formation of fine graphics.
- Plate Making: Remove the protective coversheet, and image the plate with the digital imager equipment.
- Main Exposure: Remove the protective coversheet and expose the front of the plate to form image.
- Washout: Use any safe-solvent solutions or other environmentally safe solution to remove the unexposed photopolymer.
- Drying: After washing, dry the plate in a vented hot oven (60°C) to remove the residual solvent. It is recommended that the plate be allowed to set aside at room temperature for 1 hour until it returns to the original thickness.
- Post Exposure: Post expose the plate under the UV lamps to fully cure the plate to strength.
- Detack: Finish the plate under UVC light to eliminate surface tackiness.

Size

Type		FTD170L	FTD170H	FTD114L	FTD114H
Thickness (mm)		1.70	1.70	1.14	1.14
Thickness (mil)		67	67	45	45
Size (mm) (in.)	762 × 1016 (30×40)	√	√	√	√
	762 × 1607 (30×42)				
	1067 × 1524 (42×60)	√	√	√	√
	1067 × 2032 (42×80)	√	√	√	√
	1200 x 2032 (47x80)				
	1270 × 2032 (50×80)	√	√	√	√

Performance

Type	FTD170L	FTD170H	FTD114L	FTD114H
Thickness (mm)	1.70	1.70	1.14	1.14
Hardness (Shore A)	60-62	70-72	68-70	75-77
Recommended relief depth(mm)	0.7-0.9	0.7-0.9	0.6-0.7	0.6-0.7
Tonal range	1-98%	1-98%	1-98%	1-98%
Maximum reproduction line (line/inch)	150	150	150	150
Minimum isolated line width(mm)	0.10	0.10	0.10	0.10
Minimum isolated dot size(mm)	0.20	0.20	0.20	0.20
Feature	Easy formation of Flat Top Dots by similarly processing the plate like any standard digital plate			
Mainly applicable field	film, tag, lable, handbag, softpackage, carton etc			

Technical Data

Type	FTD170L	FTD170H	FTD114L	FTD114H
Thickness (mil)	1.70	1.70	1.14	1.14
Back Exposure (seconds)	20-60	20-60	20-60	20-60
Main Exposure (minutes)	6-12	6-12	6-12	6-12
Washing (minutes)	2-4	2-4	2-4	2-4
Drying (hours)	1.5-2	1.5-2	1.5-2	1.5-2
Detackfying (minutes)	1-2	1-2	1-2	1-2
Post Exposure (minutes)	5	5	5	5

VISTA-CLEAR™
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