Technical Specifications

Thermal DigiPlate™ printing plates IFL Screen & IFS Flexo thermal film

TDP-459II/324II dual function processless and chemistry-free CTP and film imager unit

Film type	Thermal-sensitive, graphic arts film
Film gauge	5 mil (0.125mm IFS) 4 mil (0.100mm IFL)
Film format	14.25" x 200' rolls
DMAX	5 (IFS) 3 .8 (IFL)
Plate technology	Thermal-sensitive CTP resin-coated paper-base
Plate gauge/base	8 mil (0.20mm) paper plate (TDP-R175)
Plate format	**TDP 459II:** Min. Plate Size: 12" x 5.9" (305mm x 150mm) Max. Plate Size: 18.1" x 24.6" (459mm x 626mm) *On other widths, maximum plate length is 25.9" (660mm) Max Recording Width: 14.2" (360mm) **TDP-324:** Min. Plate Size: 9" x 5.9" (230mm x 150mm) Max. Plate Size: 12.75" x 25.9" (324mm x 660mm) Max Recording Width: 12.75"
Print run length*	Up to 5,000 impressions *under suitable printing conditions
Printing performance	Performs with regular fountain solution and ink
Machine controller	TDP controller software accepts 1-bit TIFF. RIP options : TDP-1300 RIP v10x (Harlequin) includes bonus SDP-Smart Tools workflow management software
RIP Option	TDP-1300 RIP v10.x (Harlequin) includes bonus SDP-Smart Tools workflow management software and Tiff-Out option.
Processless	No processor; no chemistry, no ribbons, no toner, no ink
Punch	n/a
Material supply	1 magazine - roll material; Thermal DigiPlate, Spec 725; 246' roll lengths; IFS-100 thermal film, 200' roll length; IFL-100 thermal film, 100' roll length
Light Imaging/source	In-line thermal head with patented thermal fusing technology
Resolution	1204 dpi
Recording speed	75 plates/hr @1200 dpi; film speed will vary based on image size and film output (negative or positive)
Screen ruling	120 lpi
Tint	5% to 90%
Power requirements	AC100/220V Auto sensing
Environment	50-70% relative humidity
Temperature	77 ± 9°F (25 ± 5°C)
Weight	121 lbs. (55 kg)
Dimensions (W x D x H)	20.2" x 26" x 15" (515mm x 663mm x 383mm)

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PRINT. PROFIT. PRESERVE.

Thermal DigiPlate™ dual function processless and chemistry-free CTP and film imager unit is just one of many innovative and ecological offset solutions from Mitsubishi Imaging. For years we have been committed to serving the complete needs of our customers in the photographic, inkjet and graphic arts industries in an environmentally responsible way. We are the industry leader in green polyester plate technology, and offer the widest variety of inkjet media, graphic arts materials and FSC certified communications papers available. Our eco-friendly, scalable offset and digital technologies help customers stay competitive, enabling them to reduce their environmental impact for the next generation of print.

TDP-459II/324II DigiPlater & Thermal Film Imaging System

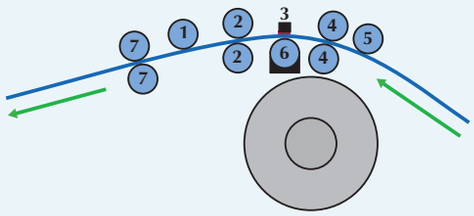
Eco-Friendly Thermal DigiPlater

Mitsubishi Imaging makes going green affordable with the eco-friendly Thermal DigiPlater. The 2-up, dual function CTP system is ideal for printers producing mostly one or two color jobs and who want an environmentally friendly upgrade from analog and electrostatic plates. With 1200 dpi resolution, high speed production, and the capability of outputting either plates or film, the Thermal DigiPlater is well suited for high-volume environments looking for a productive and eco-friendly option.

The dual function Thermal DigiPlater and Thermal Film Imaging System are processless and chemistry-free CTP and are highly automated. It requires minimal training to operate and minimal time to produce clean, press-ready plates or high density film output. Simply load it with a roll of Mitsubishi's thermal plate or film material and the Thermal DigiPlater essentially runs itself. You can send 1-bit TIFF files from a RIP to the TDP Controller. Plates are imaged, cut to size and ready for press in less than a minute. Film also runs quickly and achieves high density in both negative and positive plate output.

TDP-459II/324II Platesetter and Film Imager
The system requires absolutely **no chemicals, toner or ink ribbon**, so it's easy and cost-effective to maintain. Processor maintenance or chemical disposal are eliminated. Maintenance means simply wiping the thermal head clean. This is a truly processless and chemistry-free plate-making and film imaging system ideal for 2-up printers who specialize in printing mostly one and two color jobs.

TDP-459II/324II Path



1 Cleaning roller
2 Transport rollers
3 1200 dpi thermal head
4 Main pinch roller
5 Cleaning roller
6 Photon roller
7 Ejection pinch rollers

(TDP-R175) (IFL or IFS)

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Chemistry-free | Processless