

VIM DP-R Plates

Offset quality, digital simplicity



VIM has combined state of the art technology with years of research, to develop and manufacture the VIM DP-R product line: Digital Imaging plates that expand the profitability of press offerings by providing higher quality output alongside longer print runs.

With VIM, Printing just got better!



Environment Friendly

VIM DP-R plates are chemical-free, eliminating the need to treat ink-polluted water and plate processing chemicals.

VIM DP-R plates achieve superior quality output alongside high cost efficiency due to their unique structure:

The unique Top Silicone Layer

has been designed to sustain the direct imaging presses' abrasive conditions without developing toning on the plate surface. This leads to:

- Perfect Repeatability throughout the print run, which reduces 'blanket toning'.
- Extended Print Runs - The layer's abrasive resistance allows for an extended operation duration.
- Excellent Reproduction of Skin Tones – due to the layer's outstanding ink repelling qualities.

The Middle Ablative Layer

The Middle Ablative Layer has an exceptional laser sensitivity which gives the VIM DP-R plates their most distinctive qualities:

- Exceptional Color Reproduction - due to superb uniformity, high density printing capabilities and minimal dot gain fluctuations.
- Extended Laser Head Lifespan - The higher laser sensitivity enables the reduction of laser head intensity without any compromise to quality, leading to longer laser head lifespan.



The plate's Base Polyester Layer

Designed to withstand strong pulling forces without deformation. This enables accurate positioning of the plate on the drum, resulting in:

- Perfect Image Registration between each of the four colors.
- High Usability – Our VIM DP-R36 rolls are usable to the very end of the roll, often providing up to 40 imaged plates.

Providing superior quality and longer print runs, VIM DP-R plates are changing the face of the print industry. We invite you to learn more and to experience the excellence of VIM DP-R plates at: www.vim-technologies.com

Product Specifications

Product	VIM DP-R 36	VIM DP-R 28
		
Compatible presses	Heidelberg QM-DI 46	RYOBI 3404DI, KBA 46 Karat Presstek 34DI, KPG DirectPress 5034/5334/5634 DI
Roll Content	36 plates	28 plates
No. of impressions	Up to 30,000	
Plate type	Thermal, DI, 800-1100 nm laser	
Substrate	Polyester based	
Chemicals	Chemical free	
Operating conditions	Full daylight	
Thickness	0.18 mm (0.007")	
Cleaning materials	Standard	
Operating environment		
Temperature	16°C - 25°C (60°F - 77°F)	
Relative Humidity	40% - 60%	



Print Press Friendliness

VIM's rolls are designed to protect the laser heads from contamination, prevent the scattering of particles within the press and enable post-imaging cleaning without any need to alter or modify the built-in cleaning system of the direct imaging press.