

Dimension Pro2

Thermal CTP System For High Quality Imaging and Performance

- 4-, 6- and 8-page systems
- 830 nm laser system
- Precision imaging and high quality optics
- Up to 3600 dpi resolution
- AM, FM and hybrid screening
- Fast plate loading/unloading with high throughput
- Low maintenance
- Compact footprint

Presstek Dimension Pro2 is a versatile and economical thermal CTP system designed to meet the needs of small, medium and large commercial and in-plant printers. Thermal CTP has rapidly become the preferred platesetting technology because of its reliability and simplicity. Dimension Pro2 systems support all of the popular thermal plates on the market today.

Maximum Productivity with Presstek Plates

Paired with any of Presstek's thermal plates, a Dimension Pro2 is an optimum system for maximum platemaking productivity and economy. GemPlate™ is a high resolution, develop-on-press, aluminum plate that eliminates prepress chemistry and streamlines workflow. Zahara® thermal plates for waterless offset match the cost and performance of the competing waterless plate brand, and offer a chemistry-free option for higher value. Nytro is a high performance photopolymer plate for sheetfed, cold-set and heat-set web, and UV presses. Aurora is a grained aluminum plate that offers true chemistry-free platemaking.

Price/Performance Choices

Dimension Pro2 systems are available in three formats: 4-page, 6-page and 8-page. Each model is offered in a range of configurations from 16 to 96 laser channels (diodes), to deliver the combination of price performance, and speed that your business needs.

DIMENSION PRO2



DIMENSION PRO2

Accurate, high quality imaging and performance

Dimension Pro2 delivers consistent high quality imaging with ease-of-operation and minimal maintenance through a host of features, including:

- Unique 3-point loading system and non-contact sensor positioning ensures smooth and efficient plate loading with plate-to-plate register accuracy better than 0.01 mm.
- Dual balanced drum enables vibration-free performance and low maintenance.
- Patented auto clamp closing technology and drum vacuum ensures accurate plate positioning at all times together with safe operation.
- A V-shaped guide rail ensures perfect spot focus across the drum. The linear magnetic drive ensures friction-free movement controlled down to 0.1 μm.
- Super wear-resistant self-lubricating material in the linear magnetic drive scanning system results in an extremely durable rail system requiring almost no maintenance.
- Digital image position control and accuracy of 0.5 μm.
- Digital laser focusing system with automatic temperature and focus compensation.
- A 2.0MHz optical correction system and zoom technology enabling resolutions up to 3600 dpi with high speed and class winning precision.
- Efficient, high power single channel laser system with low energy loss extends the life of the laser diodes.



Dimension Pro2 Specifications

	Model 26 (4-page)	Model 36 (6-page)	Model 46 (8-page)
Resolution	1800 / 2400 / 2540 / 2800dpi (Optional: 3000 / 3600dpi)		
Screening	AM, FM (Stochastic), and hybrid screening		
Throughput / Laser Channels	23 pph / 16 channels 31 pph / 24 channels 39 pph / 32 channels 51 pph / 48 channels 64 pph / 64 channels	14 pph / 16 channels 20 pph / 24 channels 26 pph / 32 channels 35 pph / 48 channels 42 pph / 64 channels 55 pph / 96 channels	9 pph / 16 channels 13 pph / 24 channels 17 pph / 32 channels 23 pph / 48 channels 29 pph / 96 channels 38 pph / 96 channels
Dot recovery	1%–99%		
Registration accuracy	0.01 mm		
Laser wavelength	830 nm		
Maximum plate size	670 mm × 560 mm	925 mm × 675 mm	1160 mm × 940 mm
Minimum plate size	320 mm × 240 mm	320 mm × 240 mm	450 mm × 370 mm
Plate thickness	0.15 mm – 0.30 mm		
Automatic loading	Optional single or multi-cassette loader		
Power supply	1-phase AC 220V±5% 50/60Hz		
Power	5.3 KVA		
Dimensions (W×L×H)	970×1375×1065 mm	975×1625×1065 mm	1140×1895×1070 mm
Weight	900 kg	1150 kg	1240 kg
Operating environment	18–26°C 40–60% RH		

Product specifications are subject to change.



Contact us to learn more about Presstek eco-friendly solutions.

Presstek LLC
Corporate Headquarters - USA
Tel.: +1-603-595-7000
Toll-free: 1-800-422-3616
info@presstek.com

Presstek Europe LTD
United Kingdom Office
Tel.: +44 (0)20 8745 8000
marketingeamer@presstek.com

www.presstek.com