

Best Value. Best Velocity. Best Quality.



Super Wide at its Best.

Barak iQ Highlights

- PDS - Parallel Drop Size Technology for superb POP print quality
- Best production velocity - 353 m²/hr /3800 ft²/hr
- 600 dpi true resolution
- Hybrid roll-to-roll printer, including multi roll, with flatbed (option)
- 300% better media utilization
- Exceptionally low ink consumption
- iPhone application for remote printer monitoring

Beautiful POP quality images at best velocity

The Barak iQ offers high standards of print quality, productivity and usability. With the innovative PDS Parallel Drop Size Technology, the Barak iQ produces superb print quality, while maintaining the best production speed. A set of value added features enables owners to enhance productivity, streamline workflows, maximize up-time and engage in remote production management via the unique iPhone application.

Printing Technology	
Print heads:	Piezo drop-on-demand inkjet technology
Resolution:	True 600dpi, up to 1200dpi apparent
Ink:	'Barak UV' - pigmented UV-curable inks for up to 2-year outdoor durability
Jetting technology	PDS print technology – patent pending by Matan
Performance	
Throughput:	Barak IQ, 5m - up to 353 m ² /hr (3800 ft ² /hr) Barak IQ, 3m - up to 278 m ² /hr (3000 ft ² /hr)
Coverage:	Up to 180 m ² /liter (1940 ft ² /liter)*
Ink tanks :	4 (C,M,Y,K)
Media	
Handling:	Roll-to-roll , multi-roll, freefall, Optional flatbed
Flexible media support:	PE polyethylene, PVC banner, SAV self adhesive vinyl, Paper, Mesh, Textiles, Blue back paper, Carpets, Synthetic paper, Tyvek, Yupo, Spiniker, Wallpaper, One-way vision, canvas, Coated and Uncoated media, Others
Rigid media support:	Foam PVC, acrylic, aluminum, foam board, glass, wood, Dibond, (up to 25 mm / 1" thick)
Max print width:	Barak IQ, 5m - 500 cm (197") Barak IQ, 3m - 350 cm (138")
Max media width:	Barak IQ, 5m - 530 cm (209") Barak IQ, 3m - 380cm (150")
Optional Flabed	rigid media up to 165 cm x 125 cm (65" x 49")
RIP	
Software:	Caldera RIP.
File formats	EPS, PS, TIFF, PDF, JPEG, etc.
Operating Conditions	
Operating Temperature:	20° C - 29° C (68°-85° F)
Humidity:	50% - 80% non-condensing
Air pressure:	6 bars (87 psi), airflow of 7 liters/sec., dry and clean air
Electricity:	230 V / 50 Hz / 3 phase 32 Amp, 12 KW printing consumption (18 KW peak)
Dimensions (L x W x H)	
Barak IQ, 5m	820 cm x 135 cm x 210 cm (322" x 53" x 82")
Barak IQ, 3m	670 cm x 135 cm x 210 cm (264" x 53" x 82")
Flatbed dimensions	3.3 x 1.25 m, 3.3 x 2.5 m, 1.65 x 2.5 m, 1.65 x 1.25 m (130" x 98", 130" x 49", 65" x 98", 65" x 49")
Weight	
Barak IQ, 5m	net: 5,870 kg (12,940 lbs) crated**: 6,370 kg (14,043 lbs)
Barak IQ, 3m	net: 4,350 kg (11,794 lbs) crated**: 5,750 kg (12,676 lbs)

* Based on Matan's testing and average consumption at customers' sites.

** Crated weight may vary up to 300kg (660 lbs).



About Matan

Matan Digital Printers has been introducing innovative solutions to the world of digital printing for over 20 years. Headed by a group of leading print technology experts, Matan continues to deliver forefront digital printers and presses for a wide range of challenging industrial applications. Matan's broad range of products is aimed at three major printing segments:

- Super wide format
- Traffic signage
- Labels, tag, decals, membranes, license plates & sign printing

Our printing solutions allow users to enjoy excellent productivity, top quality output and high durability, while ensuring low cost of ownership.

A Long History of Innovation

Some of the first groundbreaking super-wide format printers that pioneered the large format digital printing industry were developed by Matan as of 1993 and were later sold to other companies and manufacturers. Such were the original Nur Outboard and Wideboard, as well as the original Scitex GrandJet.

Today Matan markets its innovative systems under its own brand and as OEM under the brand of FujiFilm.

More information about Matan Digital Printers is available on: www.matanprinters.com

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