

**Best Value. Best Velocity. Best Quality.**



**Super Wide at its Best.**

Barak HS – The Best Billboard Printer on the Market

- The ultimate solution for demanding high-performance applications
- Unsurpassed high production velocity
- 600 dpi true resolution
- Roll-to-roll printer with multi roll capability
- 300% better media utilization
- Exceptionally low ink consumption
- The lowest cost of ownership in the market
- 2 years outdoor durability with flexible “Barak UV” inks
- Supports low-cost recyclable media
- Environmentally friendly: no odors, no fumes

<b>Printing Technology</b>	
Print heads:	Piezo drop-on-demand inkjet technology
Resolution:	True 600 dpi, up to 1200 dpi apparent
Ink:	'Barak UV' – pigmented UV-curable inks for up to 2-year outdoor durability
<b>Performance</b>	
Throughput:	Barak HS, 5m – up to 353 m <sup>2</sup> /hr (3800 ft <sup>2</sup> /hr) Barak HS, 3m – up to 278 m <sup>2</sup> /hr (3000 ft <sup>2</sup> /hr)
Coverage:	*Up to 180 m <sup>2</sup> /liter (1940 ft <sup>2</sup> /liter)
Ink tanks :	4 (C,M,Y,K)
<b>Media</b>	
Handling:	Roll-to-roll , multi-roll, freefall, Optional flatbed
Flexible media support:	Flex or self-adhesive vinyl, PE, mesh, blue back/white back paper, backlit, flag, Tyvek, , canvas, carpet, one-way vision, wallpaper, spiniker, coated and uncoated media
Rigid media support:	Foam PVC, acrylic, aluminum, foam board, glass, wood, Dibond, (up to 25mm / 1" thick)
Max print width:	Barak HS, 5m - 500 cm (197") Barak HS, 3m - 350 cm (138")
Max media width:	Barak HS, 5m - 530 cm (209") Barak HS, 3m - 380 cm (150")
<b>RIP</b>	
Software:	Caldera RIP
File formats	EPS, PS, TIFF, PDF, JPEG, etc.
<b>Operating Conditions</b>	
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)
<b>Dimensions (L x W x H)</b>	
Barak HS, 5m	820 cm x 135 cm x 210 cm (322" x 53" x 82")
Barak HS, 3m	670 cm x 135 cm x 210 cm (264" x 53" x 82")
Flatbed Dimensions	3.3 x 1.25, 3.3 x2.5, 1.65 x2.5, 1.65 x1.25
<b>Weight</b>	
Barak HS, 5m	net: 5,870 kg (12,940 lbs)      crated: 6,370 kg (14,043 lbs)
Barak HS, 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.



## 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](http://www.matanprinters.com)

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