



AZON RAZOR HALE – PRESENTED BY AUTOMARK
 UV FLAT BED PRINTER
RAZOR HALE

Award-winning UV print technology. Stronger, faster, and more powerful than ever.

2880 DPI RESOLUTION

ADA BRAILLE READY

UV TURBOJET INK


ROTAX CYLINDRICAL ADAPTER

500 ML BULK INK SYSTEM

APPLICATION EXAMPLES



KEY BENEFITS

- 
Print on Virtually Any Material
 PET, ABS, polycarbonate, TPU, wood, stone, glass, canvas, ceramic, leather, and soft materials up to 200 mm height – all on one machine.
- 
Extraordinary 2880 dpi Resolution
 Outstanding image quality across all print modes and materials. Emboss, texture, varnish, and ADA Braille printing all supported up to 5 layers inline.
- 
Smart Ink Recirculation System
 Six 500ml bulk ink tanks with monitoring sensors and automated white ink recirculation prevent settling and eliminate manual maintenance downtime.
- 
Rotax Cylindrical Adapter Included
 Print on cylindrical objects 41–127mm in diameter and up to 279 mm tall – glasses, cups, cans, vases, candles, awards, and more.





HOW IT WORKS

AZON PLATFORM – PRECISION UV PRINTING FOR ANY SURFACE

The Azon Razor Hale is built on the proven Azon UV flatbed platform, combining a precision piezo ink-jet print head with an energy-efficient adjustable UV LED curing system. The print head travels on a laser auto-height-sensing gantry over an integrated industrial vacuum table, depositing Azon TurboJet UV ink and curing it instantly in a single pass. The improved single-motor vertical movement provides more precise, faster, and more secure Z-axis positioning.

The CONTI bulk ink system holds six 500 ml tanks with electronic monitoring sensors. An automated ink recirculation circuit keeps white ink in constant motion to prevent settling, minimizes waste, and controls white coat discharge – all without manual intervention. Azon RIP software provides full per-nozzle control, loop mode automation, emboss and raised print effects up to 2 mm, and ADA Braille translation in a single workflow.

TECHNICAL SPECIFICATIONS

Specification	Azon Razor Hale
PRINTING METHOD	Piezo ink-jet (on-demand)
MAXIMUM ACCEPTABLE MEDIA (W×L×H)	330 mm × 1200 mm × 200 mm (13 × 47.2 × 7.9 in.) – Max. weight: 9 kg (20 lbs.)
MAXIMUM PRINTING SIZE (W×D)	290 mm × 800 mm (11.4 × 31.5 in.)
PRINT RESOLUTION	Maximum 2880 dpi
PRINT DIRECTION	Unidirection / Unidirection back
PRINT SPEED	720 × 720 dpi / 3 min. 30 sec. per full table (290 × 800 mm)
INK	Azon TurboJet UV – C, M, Y, K, W, G (Gloss) – 500 ml bottles Config: CMYK + 4× White CMYK + 2× White + 2× Gloss
INK SUPPLY SYSTEM	CONTI – 6× 500 ml bulk tanks with monitoring sensors & auto white ink recirculation
CONNECTIVITY	Ethernet 10BASE-T / 100BASE-TX (automatic switching)
PRINTER DIMENSIONS (W×D×H)	800 mm × 1450 mm × 1110 mm (31.5 × 57.1 × 43.7 in.)
WEIGHT	112 kg (247 lbs.)
ROTAX CYLINDRICAL ADAPTER	Diameter: 41-127 mm Height: up to 279 mm
MATERIALS	PET, ABS, Polycarbonate, TPU, Wood, Stone, Glass, Canvas, Ceramic, Leather, and other soft materials
SOFTWARE	Azon RIP 64-bit – ADA Braille translator, emboss/raised print up to 2 mm, loop mode, up to 5 layers inline

Ready to learn more?
We're here to help.

Contact Automark today to see the Razor Hale in action and find the right configuration for your production needs.

512-593-7100

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