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2016

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A grayscale image of a printer, likely a direct-to-substrate printer, with the text "DIRECT TO SUBSTRATE" overlaid in a large, bold, sans-serif font. The printer is shown from a slightly elevated, front-right perspective. The text is positioned in the lower right quadrant of the image, partially overlapping the printer's body. The printer has a control panel on the left side with several buttons and a small display. The overall image is in black and white, with a soft, slightly blurred background.

**DIRECT  
TO  
SUBSTRATE**



Direct to substrate printing is just like it sounds. It allows printing directly onto the chosen substrate. This service allows a graphic image or sign to be printed directly on the wide range of materials and objects with superb adhesion of ink directly from your digital file. They print on any material like wood, stone, steel, glass, leather, etc. and finished products as well (drawer, belt, wallet, bag, name-tag, signboard,...).



**Substrate** /'sʌb streɪt/  
The material or substance on which an enzyme acts.



# AZON DTS SERIES 2



Azon DTS is direct to substrate inkjet printer. With this digital all-purpose flat-bed printer you can produce beautiful full-color prints on any surface faster and cheaper than on any other printer, or with other technologies like thermal transfer or screen printing. It is very easy to use and has a high profit return.

Azon DTS prints directly on materials like glass, metal, stone, wood, plastics, anodize aluminum and all other materials with superb adhesion of ink. It can also print directly on most final plastic products like pencils, lighters, mobile cases, and plastic ID cards etc. and on all other finished products made of wood, stone, steel, glass, leather, etc (drawer, wallet, bag, tag, signboard).

Azon DTS is an excellent solution for gift retailers, fast sign and copier shops, photo labs, museums, etc. The razor - sharp 1440 dpi resolution is supplied by closed ink system and it satisfies even the most demanding fields like photo and paintings reproduction and art gleece printing.

*Direct to substrate inkjet printer that prints on different types of materials*



IR LAMPS

MAX HEIGHT 100 MM

MORE ACCESSIBLE CONTROLS

Model	Azon DTS
Printing technology	Ink-jet (Micro Piezo Head)
Printing size	Max 400 mm x 600 mm, max thickness 100 mm
Ink	2 x C, M, Y, K / C, M, Y, K + LC, LM, LK, LLK / Azon DTS ink
Print speed	11 pages per hour ( Page size: 400 mm x 600 mm )
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 59 W ( In standby mode 5 W )
Interface	LAN network
Environment conditions	Temperature 25°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Glass, metal, stone, wood, plastics, leather...
Dimensions (WxLxH)	830 mm x 980 mm x 480 mm , Weight 113 kg

# AZON BOXER



*The best solution for package printing up to 300 mm*

Azon Boxer is new Direct to Substrate printer with printing size of 400 mm x 600 mm and ability to print directly on a wide range of materials and objects with superb adhesion of ink. Boxer is a digital all-purpose flatbed printer that prints directly on materials like plastic, wood, stone, steel, anodize aluminum, glass, leather, etc.

Boxer now allows you to print on any type of material up to incredible 300 mm in height. This enhanced solution is providing you various printing possibilities and the perfect answer to increasing market demands for more personalized services and products. With Boxer machine, you have an unlimited variety of different prints and designs that you can apply to the package of your products. Printing on finished packaging items such as shoe boxes, gift boxes, wooden hamper boxes, bottle boxes, lunch boxes are just some of application possibilities.

Azon Boxer is an excellent solution for gift retailers, fast sign and copier shops, photo labs, museums, etc. The reproduction quality of true 1440 dpi satisfies even the most demanding fields like photo and paintings reproduction. This is the ideal solution for the packaging industry. Azon Boxer is simplifying the process of creating innovative packaging solutions making it easier, more efficient and less expensive than with other existing technologies. It is very easy to use and it has a high profit return.



*IR LAMPS*



*MAX HEIGHT 300 MM*



*CILYNDRIC ADAPTER*

Model	Azon Boxer
Printing technology	Ink-jet (Micro Piezo Head)
Printing size	Max 400 mm x 600 mm, max thickness 300 mm
Ink	2 x C, M, Y, K / C, M, Y, K + LC, LM, LK, LLK / Azon DTS ink
Print speed	11 pages per hour ( Page size: 400 mm x 600 mm )
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 59 W ( In standby mode 5W )
Interface	LAN network
Environment conditions	Temperature 25°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Glass, metal, stone, wood, plastics, leather...
Dimensions (WxLxH)	830 mm x 980 mm x 690mm , Weight 113 kg

# AZON DTS INDY & INDY pro



*Industrial UV  
flatbed LED printers*

INDY is a smaller version of INDY PRO machine with printing size 600 mm x 1200 mm and 600 mm x 1800 mm while INDY PRO is a model which has maximum printing size 1100 mm x 2500 mm. The machines are capable of printing with maximum height up to 200 mm.

INDY and INDY PRO can now print on leather, canvas, ceramics, glass, porcelain, acrylics, wood, etc. It has become possible to print with exceptionally embossing effects on rigid substrates. The machines are enhanced with precise servo-ball screw movement of printing bridge. Sophisticated RIP software has upgraded automatic ink detection system and has enabled upgrade for ink bottles systems.

INDY/INDY PRO is a perfect solution for interior and exterior design, promotion, sign and graphic industry. Apart from the various kind of substrates that this machines can print on, they can also be applied to domestic use in kitchens, bedrooms, doors, car and boat wraps, etc. Series of AZON industrial printers offer exceptional durability and reliability. High lightfastness and no need for laminating are considered to be a huge environmental advantage.

Model	Azon DTS INDY & INDY pro
Printing technology	Ink-jet (Micro Piezo Head)
Printing size INDY	Maximum 600 mm x 1200 mm / 600 mm x 1800 mm
INDY pro	Maximum 1110 mm x 2500 mm
Ink	C, M, Y, K + LC, LM, LK, LLK / 2 x C, M, Y, K / Azon DTS ink
Print speed: INDY	2 x 600 mm x 1200 mm prints per hour
INDY pro	2 x 1110 mm x 2500 mm prints per hour
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 59 W (in standby mode 5 W)
Interface	USB, LAN network
Environment conditions	Temperature 15°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Glass, metal, stone, wood, plastics...
Dimensions INDY	1000 mm x 1800 mm x 1200 mm, Weight 350 kg
INDY pro	1800 mm x 3500 mm x 1200 mm, Weight 710 kg



*LCD TOUCH SCREEN AND  
HEATHER ADJUSTMENT*

*BELT WITH BALL  
SCREW SYSTEM*

*INTEGRATED VACUUM  
TABLE*



# DIRECT TO GARMENT





*Direct to garment printing is a process of printing on textiles and garments using specialized or modified inkjet technology. The two key requirements of a DTG printer are a transport mechanism for the garment and specialty inks (inkjet textile inks) that are applied to the textile directly and are absorbed by the fibers.*

**Garment** /'gar mən't/  
1. Any article of clothing.  
2. An outer covering or outward appearance



# AZON TEX pro SERIES 2



Azon Tex Pro adopts a brand - new digital printing mode that can be used as the substitute of screen printing and transfer printing. It enables color printing without plate making or repeated color register while it is highly waterproof and wearing resistant.

It prints directly on the garment with amazing speed up to 50 white t-shirts or 15 dark t-shirts per hour. It can print beautiful full - color prints on light and dark colored textiles like t-shirts, towels, jeans, aprons, bags or else, with superb adhesion of ink. It is very easy to use and has a high profit return.

Azon's water - based white ink was specially developed for printing on dark garments by creating a solid surface on the printing area before applying the CMYK inks. This white layer is digitally applied directly onto the desired location on the garment, allowing to apply CMYK colors immediately. There is no more need for thousands of garments pieces per run to make the printing process profitable. Azon TexPro allows short and medium runs as well as personalized prints and different data printing. Tests can be immediately evaluated and changes implemented without delay.

*Direct to garment inkjet printer for beautiful full - color prints.*

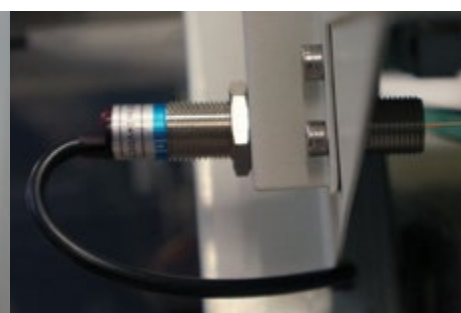
Model	Azon Tex Pro
Printing technology	Ink-jet (Micro Piezo Head)
Printing size	Max 400 mm x 600 mm
Ink	Water textile pigments - C,M,Y,K + 4W
Print speed	Up to 50 white t-shirts or 15 dark t-shirts per hour
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 59 W (in standby mode 5 W)
Interface	LAN Network
Environment conditions	Temperature 15°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Cotton, polyester, silk, jeans, lycra...
Dimensions (WxLxH)	830 mm x 980 mm x 570 mm, Weight 113 kg



**MORE ACCESSIBLE CONTROLS**



**WATER - BASED WHITE INK**



**AUTOMATIC HEIGHT CONTROL SENZORS**

# AZON MIRAGE



Azon Mirage features large 600 mm x 800 mm format which is capable of printing on a wide range of garments such as T-shirts, jeans, apron, cloth panels and more. Specially designed for industrial production and large quantities, Mirage has easy exchangeable dual-platen platform technology. It delivers beautiful full-color garment even twice as faster than before on a scalable printable field area. Multiple garment production prints highly durable and washable garment without color fading.

The machine features single pass printing technology in CMYK and white color with fantastic speed and resolution. The new improved LCD touch screen, larger 220 ml ink cartridges, and new sophisticated RIP are only some of the new features this machine offers. Unlike the previous generation with the belt system, this printer has implemented servo motor and ball screw system, enabling the forward-backward movement of the printed object with maximum accuracy.

Mirage is perfectly adaptive for large-scale facilities or even smaller printing applications. An advanced, fully automated system enables long - run production on a wide range of textile applications and finished garments. Faster production, more flexibility and high efficiency, you name it – Mirage has it all!

*Print double, full – color prints  
with new Mirage*

Model	Azon Mirage
Printing technology	Ink-jet (Piezo 180 nozzles per channel)
Printing size	Max 600 mm x 800 mm / 2 or 4 platens
Ink	Water textile pigments - Dual CMYK / 4 White + CMYK
Print speed	2 platens - up to 30 dark or 100 white garment / per hour
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 50-60 Hz
Interface	LAN Network
Environment conditions	Temperature 15°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Cotton, polyester, silk, jeans, lycra...
Dimensions (WxLxH)	1310 mm x 1200 mm x 805 mm (51.6 x 47.2 x 31.5 in.)



**IMPROVED LCD TOUCH  
SCREEN**



**WATER - BASED WHITE  
INK IN LARGER, 220 mL  
CARTRIDGES**



**XXL PLATEN**



**UV  
DIRECT  
TO  
SUBSTRATE**



Graphics printed with this method employ UV curable inks. The inks are put down and will cure onto most any flat rigid substrate. The UV light source causes an "instant dry." UV direct prints are durable and stand up to normal traffic. The types of surfaces used for printing on UV printers are glass, plexiglass, metal, wood, plastics, and a variety of papers. UV direct printing opens up creative floodgates for creating rich textural displays and signs.



**Ultraviolet** /,ʌl trə'vaɪ ə lɪt/  
 1. beyond the violet in the spectrum, corresponding to light having wavelengths shorter than 4000 angstrom units.  
 2. pertaining to, producing, or utilizing light having such wavelengths: an ultraviolet lamp.



# AZON RAZOR



Azon Razor is an ideal solution for different applications and materials like leather, glass, aluminum, plastics, wood etc. It has specially designed and built vacuum table inside which enables printing on very thin objects.

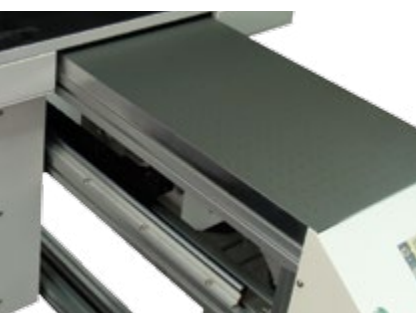
Features on Azon Razor offer outstanding durability and performance thus customers have an enormous range to suit both their requirements and needs.

This is the most powerful and productive machine available on the market today. Allowing print of white and colored ink in a single pass and with printing size 30x80cm it delivers exceptional image quality and twice lower production time. New automatic sensors on Azon Razor can adjust printer height even during the print.

Enabling printing up to 200 mm high, Azon takes a step forward not only to graphics and sign market but small design studios as well.

*UV A3 model for large quantities.*

Model	Azon Razor
Printing technology	Ink-jet (Piezo 180 nozzles per channel)
Printing size	Maximum 290 mm (W) x 800 mm (L) (11.4 x 31.5 in.)
Ink	CMYK + 4W/2W2G / Azon UV inks / 220 ml cartridges
Print speed	720 x 720 dpi / 3 min. 30 sec / full table (290 mm x 800 mm)
Printing resolution	Max 2880 dpi
Power requirements	AC 100 / 230 V, 50-60 Hz
Interface	USB, LAN Network
Environment conditions	Temperature 20°C to 32°C, Relative Humidity 35% to 80%
Printer software	Azon RIP
Material used	Glass, ceramics, plastics, stone, wood,...
Dimensions (WxLxH)	800 mm x 1450 mm x 1350 mm (31.5 x 57.1 x 53.1 in.)



**INTEGRATED VACUUM TABLE**



**LCD TOUCH DISPLAY**



**ROTAX - ROTARY  
ADAPTER**

# AZON RAZOR conti

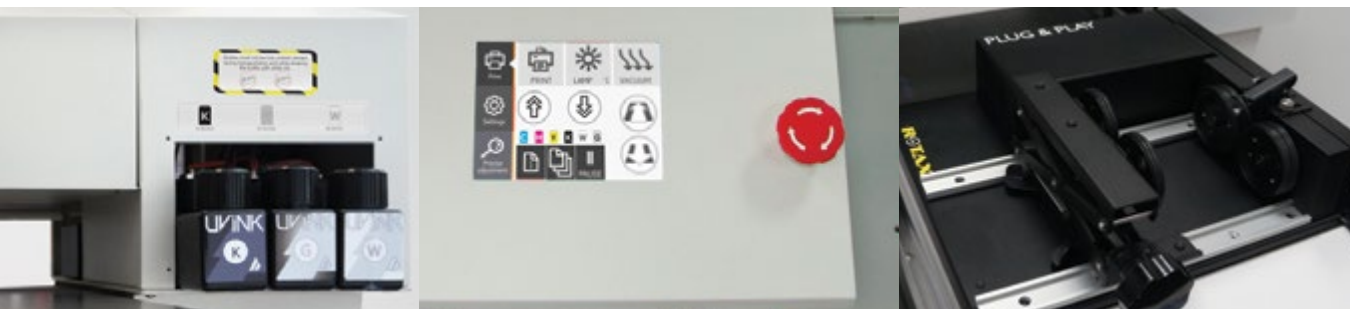


Azon RAZOR CONTI is bringing together the award winning printing technology with stronger, faster and more powerful LED curing system. The long lasting, energy efficient UV LED lamp generates low levels of heat for printing directly on a wide range of surfaces and three-dimensional objects 290 mm wide. RAZOR CONTI can now print directly onto PET, ABS, polycarbonate, TPU, wood, leather and other soft materials up to 200 mm height.

Always striving for maximizing the power of its machines, Azon implemented six specially designed bulk ink tanks with monitoring sensors that increasing printing capacity to the great extent and named it Azon CONTI. Each tank contains 500 ml of ink which is extremely easy to handle and refill. Ink tanks can be refilled from ink bottles so the running costs for the machine are lower. This feature saves time and effort you have to invest in changing the cartridges.

*The Azon RAZOR CONTI machine is the newest model of Azons machines with upgraded features: Azon Conti and Azon RIP*

Model	Azon Razor
Printing technology	Ink-jet (Piezo 180 nozzles per channel)
Printing size	Maximum 290 mm (W) x 800 mm (L) (11.4 x 31.5 in.)
Ink	CMYK + 2W/WG / Azon UV inks / 500 ml bottles
Print speed	720 x 720 dpi / 3 min. 30 sec / full table (290 mm x 800 mm)
Printing resolution	Max 2880 dpi
Power requirements	AC 100 / 230 V, 50-60 Hz
Interface	USB, LAN Network
Environment conditions	Temperature 20°C to 32°C, Relative Humidity 35% to 80%
Printer software	Azon RIP
Material used	Glass, ceramics, plastics, stone, wood,...
Dimensions (WxLxH)	800 mm x 1450 mm x 1350 mm (31.5 x 57.1 x 53.1 in.)



CONTI - INK BULK SYSTEM

LCD TOUCH DISPLAY

ROTAX - ROTARY ADDAPTER

# AZON MASON



MASON is the new generation of AZON wide format UV LED machines with printable surface 590 mm x 700 mm. It can print on an unbelievable range of materials with maximum thickness up to 100 mm. It produces incredibly crisp text and vibrant, full – color images on a variety of substrates and 3D objects, from wood, canvas to ceramic tiles, plastics and more.

The standard model comes with CMYK WWWW colors (option – CMYK WWGG). The outstanding durability of UV LED pigmented inks are up to 5 years with the possibility of gloss ink and multi – coat effects on the surfaces of printed objects. The machine features new improved LCD touch screen and 500 ml bulk ink bottles with the automatic ink detection system.

The new sophisticated RIP software enables the outstanding reproducing quality of 1440 dpi while producing the finest image details. The power of UV LED lamp is controlled in the increments over the touch screen panel. Unlike the previous generation printers with the belt system, this machine has implemented servo motor and ball screw system, enabling the forward-backward movement of the printed object with maximum accuracy.

*Evolutionary A1 machine originated from the generation of UV LED printers*

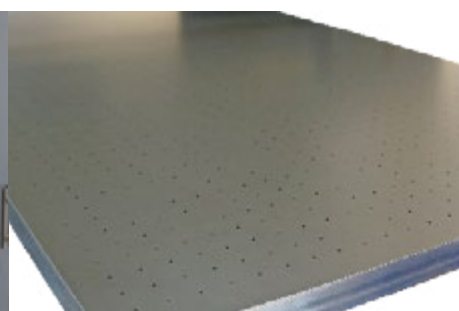
Model	Azon MASON
Printing technology	Ink-jet (Piezo 180 nozzles per channel)
Printing size	Max 590 mm x 700 mm
Ink	CMYK + 2W/WG / Azon UV inks / 500 ml bottles
Print speed	720 x 720 inline 1.25 m <sup>2</sup> /h ; 1440 x 720 inline 0.2 m <sup>2</sup> /h (CMYK+W)
Printing resolution	Max 2880 x 1440 dpi
Power requirements	AC 100 / 230 V, 50-60 Hz
Interface	USB, LAN Network
Environment conditions	Temperature 15°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Glass, ceramics, plastics, stone, wood,...
Dimensions (WxLxH)	1310 mm x 1200 mm x 805 mm (51.6 x 47.2 x 31.5 in.)



CONTI - INK BULK SYSTEM



LCD COLOR DISPLAY



OPTIONAL VACUUM TABLE



# AZON UV INDY & INDY pro



INDY is a smaller version of INDY PRO machine with printing size 600 mm x 1200 mm and 600 mm x 1800 mm while INDY PRO is a model which has maximum printing size 1100 mm x 2500 mm. The machines are capable of printing with maximum height up to 200 mm.

INDY and INDY PRO can now print on leather, canvas, ceramics, glass, porcelain, acrylics, wood, etc. It has become possible to print exceptionally with embossing effects on rigid substrates. The machines are enhanced with precise servo-ball screw movement of printing bridge. Sophisticated RIP software has upgraded automatic ink detection system and, what is more, has enabled upgrade for bulk ink bottles systems.

INDY/INDY PRO is a perfect solution for interior and exterior design, promotion, sign and graphic industry. Apart from the various kind of substrates that this machines can print on, its usefulness can be applied to domestic use in kitchens, bedrooms, doors, car and boat wraps, etc. Series of AZON industrial printers offer exceptional durability and reliability. High lightfastness and no need for laminating are considered to be a huge environmental advantage.

*Industrial UV flatbed LED printers*

Model	Azon UV INDY & INDY pro
Printing technology	Ink-jet (Micro Piezo Head)
Printing size INDY	Maximum 600 mm x 1200 mm / 600 mm x 1800 mm
INDY pro	Maximum 1110 mm x 2500 mm
Ink	C, M, Y, K + 4W / 2W + 2G / Azon UV inks / 220 ml cartridges
Print speed: INDY	2 x 620 mm x 1800 mm prints per hour
INDY pro	2 x 1120 mm x 2500 mm prints per hour
Printing resolution	Max 1440 dpi
Power requirements	AC 100 / 230 V, 59 W (in standby mode 5 W)
Interface	USB, LAN network
Environment conditions	Temperature 15°C to 30°C, Relative Humidity 50% to 70%
Printer software	Azon RIP
Material used	Glass, metal, stone, wood, plastics...
Dimensions INDY	1000 mm x 1800 mm x 1200 mm, Weight 350 kg
INDY pro	1800 mm x 3500 mm x 1200 mm, Weight 710 kg



*BELT WITH BALL SCREW SYSTEM*

*UPGRADED LCD TOUCH DISPLAY*

*INTEGRATED VACUUM TABLE*

# AZON ROTAX



The new Azon innovation enables 360-degree printing on a wide range of materials. The possibilities of digital printing have now been doubled with a specially designed rotary adapter. Rotax allows printing on a vast range of cylindrical objects with a diameter ranging from 41 mm to 127 mm and height up to 279 mm.

With a new rotary adapter, it is possible to print more varied print applications. Print on cylindrical and cone objects such as beer and wine glasses, cups, candles, tube, cans, tanks, vases, awards and much more. Rotax makes cylindrical printing efficient and precise by delivering both white and full-color prints.

Rotax attachment is easy to install, quick to mount and smooth to operate. It takes only two minutes to plug and play. Simply mount the adapter on the printer and insert a connector. User-friendly settings and functions, simple installation steps, intuitive and user-friendly operation are only some of the features which will satisfy our customers' needs.

*The one and only "Plug and Play" system on the market coming from Azon – Rotax for bottle printing on UV A3*



HEIGHT ADJUSTMENT



ADD FOR CONE OBJECTS



PLUG & PLAY

Compatible printer model	Azon Razor / Razor conti
Rotary degree of print material	Over +/- 360 degree (No limitation)
Rotation system	Rollers under print material
Applicable objects	Cylindrical objects (uneven surface may affect rotation)
Acceptable media (cylinder)	Cylinders: 23-279 mm Vine bottles: 23-350 mm
Printable size	X: Entire surface of the object / Y: 215mm
Maximum weight of print material	5kg
Interface	Exclusive connector
Environment conditions	20°C - 35°C; Relative Humidity 35% - 65%
Weight	6,4kg
Dimensions (WxDxH)	370 mm x 350 mm x 92 mm

*Azonprinter is an international company with headquarters in Croatia, with the long tradition in designing, building and deploying the latest information technology in the digital industry. The company is present on the market for more than 25 years by producing a wide variety of equipment for sign and printing industry. All printers are eco-sustainable and promoting the eco-friendly green technology. The company has more than 80 distributors worldwide and covers different markets such as Graphic and Sign, Textile and Embroidery, Laser users etc. In 2009. the company was tagged No.1 for direct to garment and direct to substrate printers on the ISS Long Beach show.*

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*Azon offers excellent service and support. With an Azon printer you will receive factory training, applications assistance after installation, around-the-clock technical support and a host of other tools. Azon provides users with all the service, support and education needed to maintain productivity; both online, over the phone and in person - to make the most out of an investment in an Azon printer.*



[azonprinter.com](http://azonprinter.com)