M

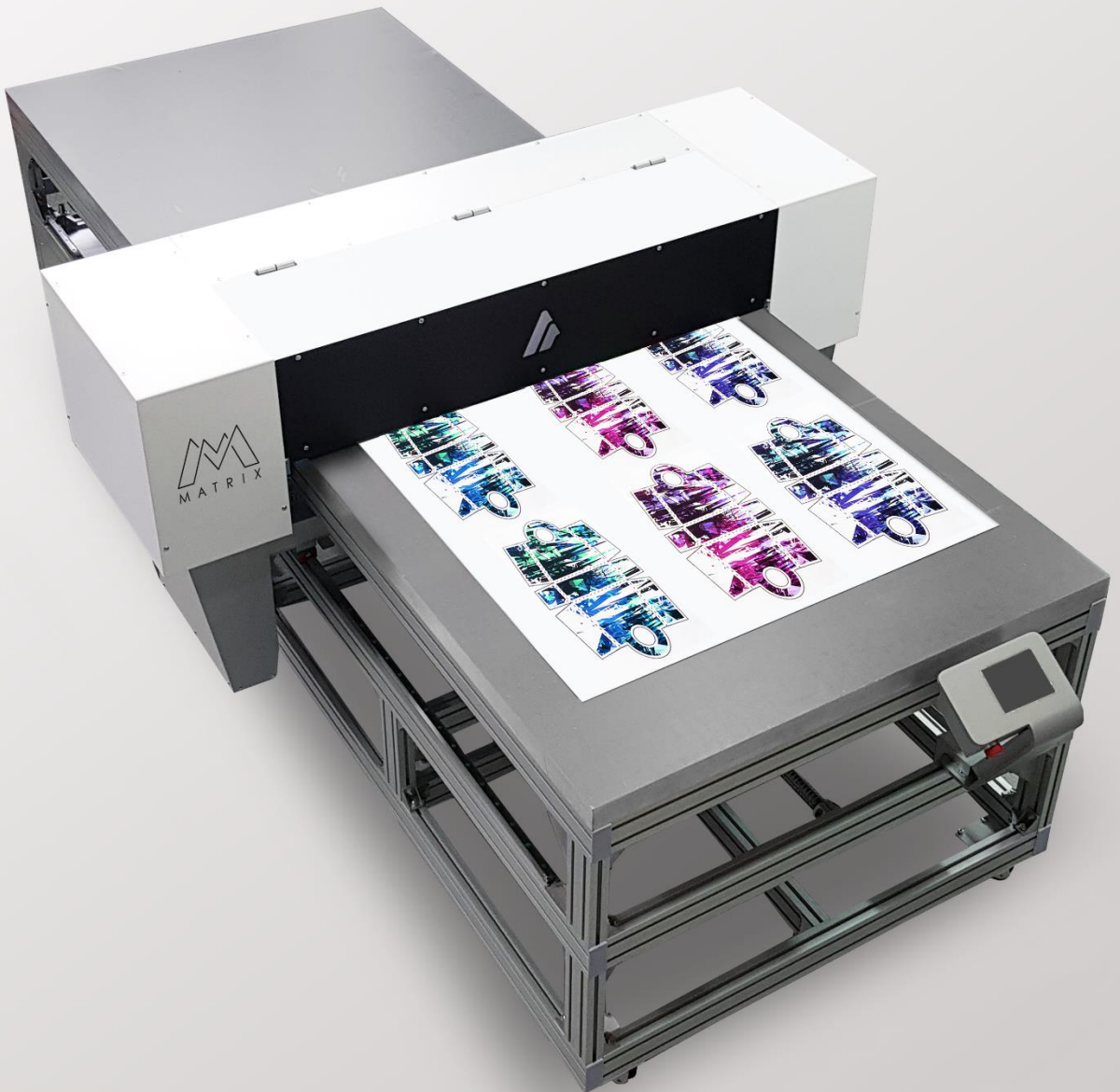## UNI

SERIES

MATRIX UNI

WIDE RANGE OF APPLICATIONS

Matrix UNI series allow printing directly onto the chosen substrate. Along with
exceptional results achieved on leather , wood and anodized aluminum. Matrix UNI printers cover materials like stone,
diferent types of plastics, glass , ceramic and many others.

UNI technology 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.

RIGHT SIZE FOR YOUR BUSINESS

Due to Matrix UNI wide range of applications you can choose between 4 standard table sizes.
Additionally to our customer satisfaction your printer can be customized in width and height according to your needs.

	MATRIX UNI 1206	MATRIX UNI 1806	MATRIX UNI 1211	MATRIX UNI 2511
PRINT AREA	590 x 1200 mm	590 x 1800 mm	1100 x 1200 mm	1100 x 2500 mm
HEAD CLEARANCE	0,5 - 420 mm			
OBJECT WEIGHT	50 kg/m2 (10.2 lb./ft2), non-concentrated load			

Matrix UNI Ink

Azon UNI

Matrix UNI printers use high-quality dye-ink (low viscosity gel). Standard configuration is CMYK+ LC LM LK LLK for achieving a wide spectrum of colors and providing a color vibrancy of any desired image or effect on the printed material.

Increased Adhesion

No drying time needed , once printed your product is ready for further processing .

Vivid Colors

Due to special developed formula UNI ink provide vivid colors on almost any material .

Highly Flexible

Matrix UNI ink is providing outstanding flexibility even on materials like leather.

CONTI System

Each Matrix UNI printer is equipped with CONTI ink system [Continues ink supply]. CONTI allows for printer to be refilled with ink during the printing operation , which translate to zero time loss during the refill. Matrix UNI use 6 or 8 bulks with 500ml each.

MATRIX UNI SERIES INK SYSTEM CONFIGURATION

6x 500ml bulks CMYK + LC+LM
cyan/magenta/yellow/black/light cyan/light magenta

8x 500ml bulks CMYK + LC+LM+LB+LLB
cyan/magenta/yellow/black/light cyan/light magenta/light black/light light black

RIP SOFTWARE

AZON RIP

With Azon RIP Software you are getting absolute control over your Matrix UNI printer.
Even the most complicated and creative ideas are just few clicks away from being printed.

Super precise colors
[Print on artificial leather]

Vivid colors
[Print on marble]

MAXIMUM PREFORMANCE

With full control over the printer user
can easily switch between materials with
no time lost for preparation .

Ink Amount Control
[Print on Wood]

Super Sharp print
[Print on anodized aluminum]

Dot size control
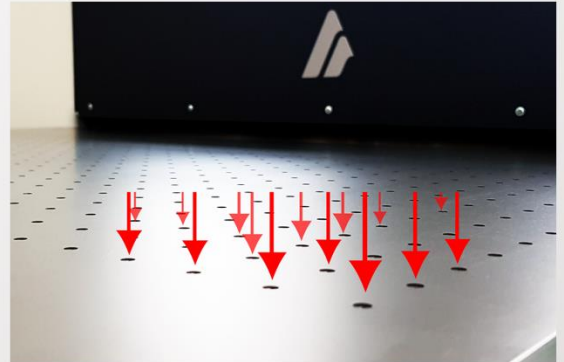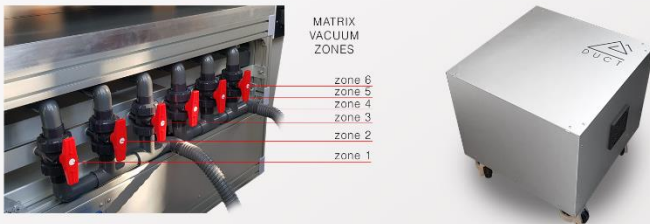[Print on balloons]

COST CALCULATOR

With ink cost calculator you will have precise data about ink cost for each graphic even before its printed.
Advanced profiling allows for optimum ink consumption while delivering maximum quality results.

FEATURES

SELECTIVE VACUUM

All printers within Matrix UNI series are equipped with vacuum tables. Vacuum tables are separated into zones which cab be easily turned on and off depending on size of the material.

MATRIX
VACUUM
ZONES

zone 6
zone 5
zone 4
zone 3
zone 2
zone 1

LOOP MODE

Feature which will enable you to make precision calculation how much time you need to create certain amount of required products . Simply send amount of copy's you need form RIP software to and turn on loop mode . When printer is finished with the graphic it will move gantry to second piece . While second piece is printed you can safely remove first one and replace it with blank one. When the second piece is done gantry will move above first one . This will continue until all copy's you send form RIP are printed .

IR LAMPS

With the adjustable IR Lamps UNI technology is pushed even step further . IR lamps are used to preheat material before printing , which will change the surface tension and allow for better ink absorption . Once cooled pores of the material will close and trap the ink inside . Matrix UNI have adjustable IR lamp system which means you can adjust heat output to be the right one for each material you need to print .

SPECIFICATIONS

MATRIX UNI1206 / 1806 / 1211 / 2511

SUBSTRATE				
PRINT AREA	590 mm x 1200 mm / 23.22" x 47.24"	590 mm x 1800 mm / 23.22" x 70.86"	1100 mm x 1200 mm / 43.30" x 47.24"	1100 mm x 2500 mm / 43.30" x 98.42"
APPCEPTABLE MEDIA	700 mm x 1900 mm / 27.55" x 74.80"	700 mm x 2500 mm / 27.55" x 98.42"	1200 mm x 1900 mm / 47.24" x 74.80"	1200 mm x 3200 mm / 47.24" x 125.98"
CLEARANCE	0,5-420 mm / 0,01"-16.53"			
MAX WEIGHT	50 kg/m2 (110.2 lb./ft2), non-concentrated load			
FIXTURE [VACUUM]	3 ZONES TABLE , 1 pump / 6 ZONES TABLE , 2 pumps			
MATERIAL TYPE INDUSTRIAL	LEATHER ANODISED ALUMINUM WOOD			
MATERIAL TYPE PROMOTIONAL	PLASTIC PET, PE, PVC, PP, PS, PLA, PC, PMMA, POM, PA, ABS GLASS CERAMIC			

PRINT	
PRINT TECHNOLOGY	Ink-jet[On-demand piezo]
DROP SIZE	3,5 - 21 picolitre
PRINT RESOLUTION	360 dpi 720 dpi 1080 dpi 1440 dpi 2880 dpi
SPEED	3,20 SqM/Hr 34.44SqFt/Hr / 3,66 SqM/Hr 39.39SqFt/Hr
ABSOLUTE ACCURACY	+/- 0.01 (0.3 mm) or +/- 3% from specified print distance
REPEATABILITY	+/- 0.008 (0.2 mm) or +/- 1% from specified print
INK CONSUMPTION	CMYK LC LM LK LLK 9,68 ml/SqM

INK	
TYPE	AZON LAW Ink
CURING	ADJUSTABLE IR LAMPS
COLORS	CMYK LC LM LK LLK
POST PRINT COATING	AZON LAW CERTIFIED COATINGS FOR LEATHER
SUPPLY SYSTEM	500ml INK TANKS

SOFTWARE	
RIP	AZON RIP 64

OPERATIONAL ENVIRONMENT	
TEMPERATURE	+15°C to 30°C / 59F-86F
HUMIDITY	35-65% RH (non-condensing)

POWER 220V/110V	
STANDBY CONSUMPTION	95 W
MAX CONSUMPTION	4,6 kW / 7 kW

ASSEMBLED DIMENSIONS				
(WxDxH)	1330 mm x 2300 mm x 1150 mm 52.36" x 90.55" x 45.27"	1330 mm x 2900 mm x 1150 mm 52.36" x 114.17" x 45.27"	1850 mm x 2300 mm x 1150 mm 72.83" x 90.55" x 45.27"	1850 mm x 3600 mm x 1150 mm 72.83" x 141.73" x 45.27"
WEIGHT	250 kg / 551 lbs	390 kg / 661 lbs	270 kg / 705 lbs	630 kg / 992 lbs