

ESC-PRACTIKA MIG64

- innovative digital printing technology by use of **nano inks**
- glass printing **without pre-treatment**
- excellent range of application on metal, leather, wood etc.
- print material thickness up to 250 mm

Technical Data PRACTIKA MIG 64:

print method	piezo-inkjet
print head technology	Epson DX7 Gold
max. print size	1600 x 3000 mm
print resolution	360 to 1440 dpi with IPC**
max. material thickness	250 mm
print speed*	102 m ² /h at 360 dpi
drop size	variable 1.5 - 14 pl
print direction	uni- and bidirectional
ink curing	hot air blower
ink type	nano inks
electrics	400 V, 3-phase, 5-pin connector
power consumption	max. 8 kW/h
interface	Ethernet 10 base T or 100 base DX
venting required	no
dimensions (W x D x H)	3900 x 3020 x 1450 mm
footprint	4650 x 7130 mm
weight	1440 kg

* The print speed may vary depending on file type, material, resolution and print quality.

** Intelligent Pass Control - feature to avoid banding.



NANO INKS

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ESC Decoration Technologies

ESC
DECO TEC

Unique on the market, as it is the only inkjet machine which was developed for the use of special nano inks.

ESC-PRACTIKA MIG64

Digital flatbed printing machine in a print size of 1600 x 3000 mm

Nano inks are composed of thin molecules and thus are able to adhere to even difficult materials such as glass, ceramics, leather, metals, etc.

Besides the standard colours CMYK special inks are available. This ensures long-lasting and high-quality prints on a great variety of materials and limitless fields of applications! The print process is environmentally friendly as the inks do not contain any kind of chemical solvent!

Substrates – rigid and flexible:

- glass
- leather
- wood
- div. plastics
- ceramics
- metals
- melamine
- etc.



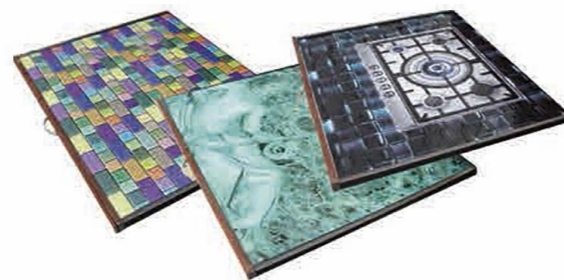
Data formats:

All current formats such as PostScript®3™, EPS, JPG, TIFF and PDF.

Recommended ambient conditions:

- temperature 18° - 22° °C
- humidity max. 55%

Conditions should be constant within the indicated range.



Standard equipment of ESC-PRACTIKA MIG 64:

Airdry Pro:

Airdry Pro is a patented system and installed directly on Practika print head. It is used for all applications where an immediate drying is needed during the printing phase.

Vacuum table:

Vacuum system within the print table and movable gantry made of calandered phenol formaldehyde resin. Provided with a system for the division of the single areas through manual or automatic valves. During the printing phases this vacuum table allows to keep the pieces in position through a strong air suction. One or more additional suction pumps can be added depending on the client's needs.

Nano inks:

Special nano inks for durable printing on different kinds of materials. Suitability certificate for use in food industry, issued by University of Bologna. Environmentally friendly as the inks do not contain any chemical solvent. The white and clear inks can be tempered.

Available nano ink types:

Pigmented inks, plastic inks, dye inks

Colours:

CMYK + special colours at choice (white, clear, etc.)



Optional extras:

Warm Vacuum

Vacuum table equipped with heated flatbed – recommended for all applications which require a controlled temperature of the material as glass for example.

Temperature Control System

Innovative system for constant control of ink temperature and the hydraulic system. With this on-board system the operator has the possibility to set the necessary values to achieve the desired environment for inks, pipes and electronic parts. Recommended for large plants where it is difficult to maintain a certain temperature.

Protection cover

Made of lycra with high resistance, tailored for Practika machines.



Innovations:

New print head technology

New Epson DX7 Gold heads are specially designed for high production speed. Up to 102 m²/h at 360 dpi can be achieved.

AIC automatic ink control

Automatic system for adjusting the ink pressure by means of electronic controller to guarantee best print performance.