



DSE-Aluprinter

ANODISED ALUMINIUM PRINTER

The DSE50 is a flatbed printer featuring a moving table design with a size of 480 mm by 590 mm. Due to its small size, the compact DSE50 printer fits into any office, workspace and in small shops. The printer is capable of printing directly in anodised aluminium plates and objects with superb scratch resistance due to sub surface printing. Using the Polychromal DuraColour inks, you can print ultra-sharp long lasting images and graphical symbols.

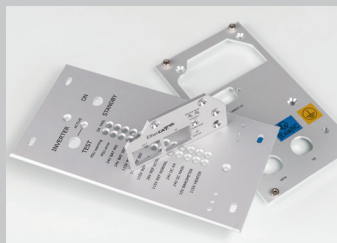


TABLE HEATING & VACUUM

The table can be heated up, ensuring thermal stability that supports consistent print quality regardless of ambient environmental conditions. Equipped with a low-noise, low-maintenance vacuum pump, the system ensures that materials stay securely in place during printing.

TABLE HEIGHT

Capable of printing directly into anodised aluminium plates and objects up to 150 mm in thickness.

OBSTACLE DETECTION

Features automatic obstacle detection using advanced laser technology to prevent potential collisions.

DRYING DEVICE

An integrated drying device enables efficient drying even at low table temperatures (only in combination with Duraseal plates), supporting print quality and workflow speed.

COMPACT SIZE

The compact DSE50 printer fits into any office or workspace and in small shops.

ACCURATE

The precision aluminium rail system ensures smooth, accurate printhead movement, contributing to long-term mechanical reliability and consistent ink dot placement. This results in sharp prints and high output quality.

DUST COVER

The printer is equipped with a protective cover, making it a semi-enclosed system. This protects both the printhead and the printed plate, thereby enhancing safety. This also serves as protection against dust.

USER-FRIENDLY OPERATION

The control panel and display are located at the front of the printer, allowing all parameters to be easily adjusted before sending the print job.

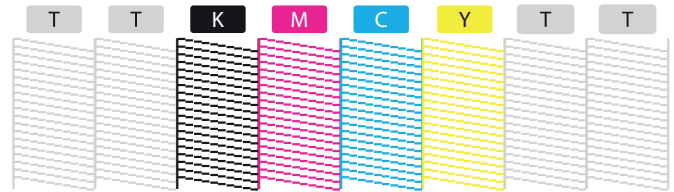
Polychromal, DSE50 - Aluprinter

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ANODISED ALUMINIUM PRINTER

PRINTING SYSTEM

Cyan, Magenta, Yellow, Black, and Transparent.



TECHNICAL SPECIFICATIONS PRINTER

Model:	DSE50 - Aluprinter
Printing technology:	Ink-jet (on demand piezo printhead)
Printing size:	Max print area 480 x 590 mm
Table height:	Variably adjustable to maximum 150 mm
Total weight:	Main body 140 KG. Including standing frame 165 KG total
Printing resolution:	1440 x 1440 dpi 325 x 500 mm uni ca. 18 min 720 x 1440 dpi 325 x 500 mm uni ca. 12 min 720 x 1080 dpi 325 x 500 mm uni ca. 10 min
Ink consumption	40 m ² / Litre
Ink type:	DuraColour
Ink colours:	CMYK + Transparent
Cartridge contents:	220 cc each
Print head:	Epson
Compressed air:	6-10 bar, 60 l/min dry air at 2,5 bar pressure (only when printing in DuraSeal)
Interface:	LAN network
RIP software:	Fiery Digital factory
Installation space:	2000 x 2500 mm
Recommended room Temp:	18°C - 25°C
Recommended room RH:	45% - 80% RH
Power specification:	Input voltage: AC 100V to 240V ±10% Input frequency : 50/60Hz ±1Hz Input load current: 16 A

