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PRINTERS, INKS & SPARE PARTS

DATA SHEET

UV LASER MACHINE

KLUVN3 · KLUVN5

355 nm
wavelength

3 W / 5 W
laser power

0.02 mm
minimum line width

IP43
protection level

Compact size. Easy to handle. Great performance.



About the product

- **No consumables.**
- **Maintenance free.**
- **Easy to operate.**
- **The only manufacturer to offer** a 2-year extended warranty.
- Automatic focus with red light, positioning and preview.
- 10.1-inch color industrial touch screen.

Laser and marking

Model	KLUVN3 / KLUVN5
Laser type	UV Laser
Wavelength	355 nm
Laser power	3 W / 5 W
Positioning mode	Automatic focus with red light, positioning and preview
Marking speed	Depends on the size and content of the text to be marked. Material complexity influences the result
Number of lines	Unlimited
Character height	0.6 mm maximum engraving range
Minimum line width	0.02 mm
Marking surface distance	0.01 mm



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Software, controller and dimensions

Languages	Spanish, English, French, German, Italian, Japanese, and others
Typography	Windows environment for Spanish and English
File format	JPG, BMP, PNG, DXF, DWG, PLT, AI
Barcode / QR code	EAN8, EAN13, CODE 39, CODE 128, GS1-128
Coding range	Standard (110 x 110), optional (70-300)
Galvanometer	High precision 2D digital scanning system
Controller	10.1-inch color industrial touch screen
Operating system	Embedded secure Linux operating system
Cooling system	Water cooling / Air cooling
Host (Length x Width x Height)	668 mm x 140 mm x 166.5 mm (water) / 668 mm x 160 mm x 189 mm (air)
IP protection level	IP43
Production line speed	Controlled with or without encoder with phase A and B
User interface	Photoelectric signal, encoder signal, alarm signal, I/O (NPN, PNP, switch-type signal), RS232 communication, multiple inputs/outputs
Input voltage	100 V - 240 V / 50-60 Hz
Total power consumption	≤ 900 W
Laser / laser controller material	Aluminum alloy
Operating temperature and humidity	External temperature 0 ℃ - 45 ℃, humidity ≤ 95%; No condensation; No vibration
Laser lifespan	20,000 hours of beam life
Main sectors that require laser printers	Widely used in metal and non-metal are applicable, high-end electronic products appearance LOGO logo; Food, PVC pipe, pharmaceutical packaging materials; Flexible circuit board marking,
Dimensions (L x W x H)	900 mm x 390 mm x 320 mm
Weight	20.5 kg / 22.6 kg
Support (L x W x H) and weight	1390 mm x 480 mm x 275 mm / 30 kg
Cooling system (L x W x H) and weight	420 mm x 320 mm x 280 mm / 12 kg

Where it can mark



Pharmacy



Plastic



Electronic product



Wood



Crystal



Plastic