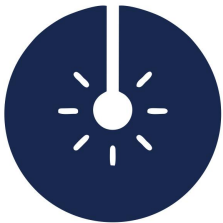


UV LASER MARKING MACHINE-UV900 Series



Compact



Easy to integrate



IP65



PRODUCT DESCRIPTION

Designed for integration in tight spaces

New UV laser marking machine, designed for packaging industry. Ultra-compact structure reduces the volume by 30%, 70mm short focal length optical system, fits the internal structure of all kinds of packaging machinery, can be easily embedded into the packaging machine, assembly line or narrow workspace, dramatically improving the integration of production lines. High-performance UV laser can realize high-precision marking on plastic film and composite materials without thermal damage, eliminating ink pollution and consumable costs, perfect alternative to TTO thermal transfer. Modular design supports multi-angle installation, suitable for vertical, pillow type, horizontal and other production line layout. Intelligent control system is plug-and-play, easily meet the needs of high-speed production lines.

PRODUCT ADVANTAGE

Compact size for easy installation

The small and compact body design allows for easy replacement of existing printers such as inkjet printers and TTO thermal transfer printers. The specially equipped exclusive bracket makes it easier to install the marking machine, ensuring easy installation even in limited space.

Easy operation

TTO heat transfer printing is a relatively complex operation that requires a certain level of skill and experience from professionals, and novices may find it difficult to get up to speed quickly. This complexity may lead to an increase in training costs. The laser marking machine, however, is equipped with an intelligent control system with plug-and-play functionality, which greatly reduces the threshold of operation and ensures that it can be used efficiently by zero-basic users.

Marking content is long-lasting and does not fade

Traditional inkjet coding and TTO thermal transfer printing have the risk of disappearing or missing content - the pre-process may be contaminated by oil and dust, and the post-process needs to face the challenges of alcohol wiping, high-temperature sterilization, and handling friction. Our laser marking technology can effectively withstand these tests and ensure that the marking is long-lasting and clear.



Oil pollution



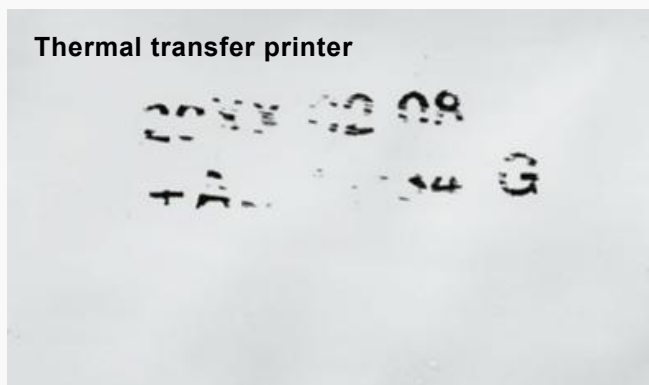
Dust



Alcohol

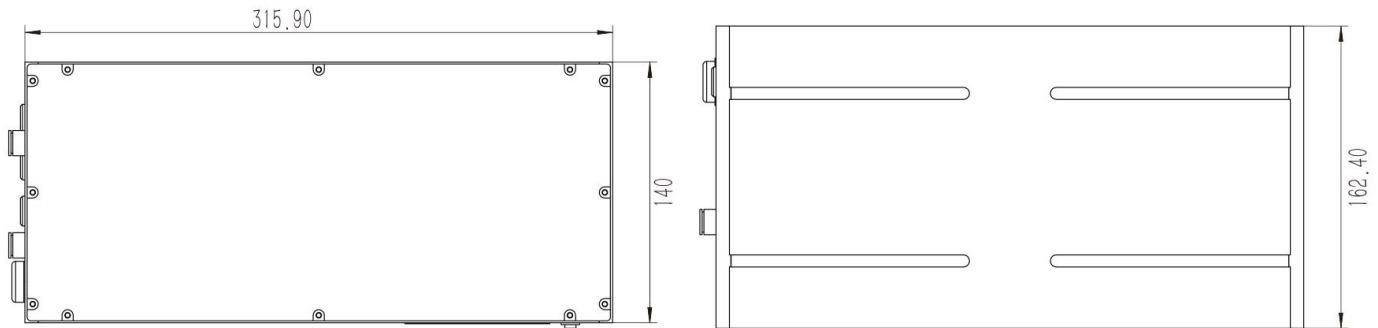


High temperature

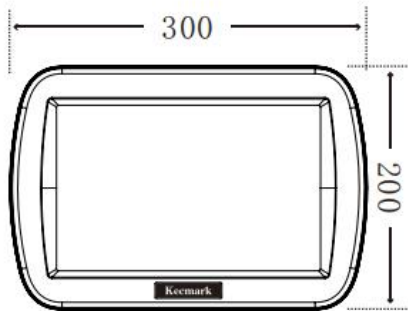


* Printing on dusty film, wiping comparison charts

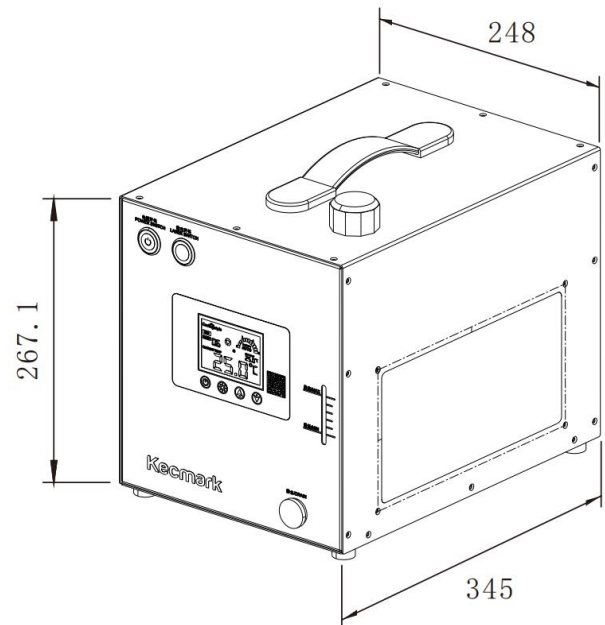
PRODUCT SIZE



lasers



touch panel



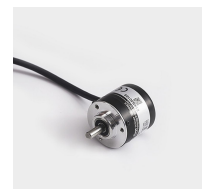
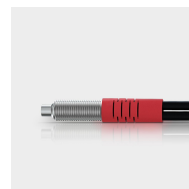
Industrial chiller

PRODUCT PARAMETERS

Lasers	UV nanosecond solid-state lasers
Power	5W
Laser wavelength	355nm
Repetition rate	10-200KHz
Radiation field	4x
Laser class	Class 4 laser products ~ IEC60825-1 compliant
Marking direction	0-360°
Marking area	110*110mm
Scribing speed	Up to 20m/s
Working distance	70mm
Spot size	0.8mm (±0.2mm)
Marking content	1D, 2D barcodes, icons, Chinese, English and numbers
User interface	10" full colour touch screen
Communication interface	RJ45、RS232、RS485、USB、SD card
Rated voltage	200~240V 50/60Hz
Power of the whole machine	≤1KW(including water tanks)
Weight	Laser 8kg, Industrial chiller 12kg
Cooling method	Water cooling
Protection class	IP65
Environmental temperature	0~40°C
Humidity range	Relative humidity <80%, non-condensing

STANDARD ACCESSORIES

- Industrial chiller
- Bracket
- Signal cable
- Encoders
- Touch panel
- Power cable
- Photoelectric sensors



APPLICATION SCENARIO



● Pillow machines



● Vertical machines

MARKING EFFECT





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