GRENTSUN
—— **Think Along Your Lines**

UV Laser Coding System

Grentsun®EF525

The EF525 series UV laser coding machine is an innovative product specifically designed for the flexible packaging printing industry. With its unique zero-material design, ultra-small size, high-precision printing, and green energy-saving features, it is leading an unprecedented printing revolution, bringing unparalleled convenience and efficiency to your production line.

The EF525 series is an innovative product tailored for the field of flexible packaging printing. It abandons the cumbersomeness and limitations of traditional inkjet equipment, to achieve high-speed production with its unique zero-consumables design, ultra-small size, high-precision printing and green energy-saving features. Therefore, it is an ideal solution for high-speed identification and complex coding in flexible packaging film industries such as food, beverages, daily paper, and pharmaceuticals.

UV laser marking characteristics:

High performance laser, high quality beam to create a perfect marking effect;

Cold light source to avoid thermal effect, and the material does not deform or burn

Ultra-fine marking, carving, processing technology effect is better.

Zero consumables, permanent marking

·Say goodbye to the consumables such as cartridges and carbon tapes

· Color change on material to ensure marking inerasable

· No regular maintenance and inspection, can be used at ease

Green environmental protection, sustainable development

· Special needs for the flexible packaging industry

· Smokeless and dustless in response to global environmental protection call

Small size, flexible deployment

· Shorter focal length, ultra-small print head

· Seamless connection and rapid replacement of existing inkjet coding equipment.

· Customized bracket, can adapt to a variety of installation methods

Perfect after-sales service system

· Perfect after-sales service system, one-stop installation

· Commissioning, training and after-sales service.

· Equipment software upgrade service, lifetime after-sales service

Grentsun®EF525
UV laser printer

Coding style

Font: Simplified Chinese, English, Spanish, Russian and other 15 languages (self-select)

Variables: date, serial number, time, text, shift

Coding: bar code, QR code

Graphic: complex graphic, trademark (suitable format: dxf, plt, jpg, png, bmp)

Shapes: straight line, dashed line, point, circle, rectangle, etc

Speed (depending on the application)

Marking speed: the fastest speed is 5000mm/s

Coding range

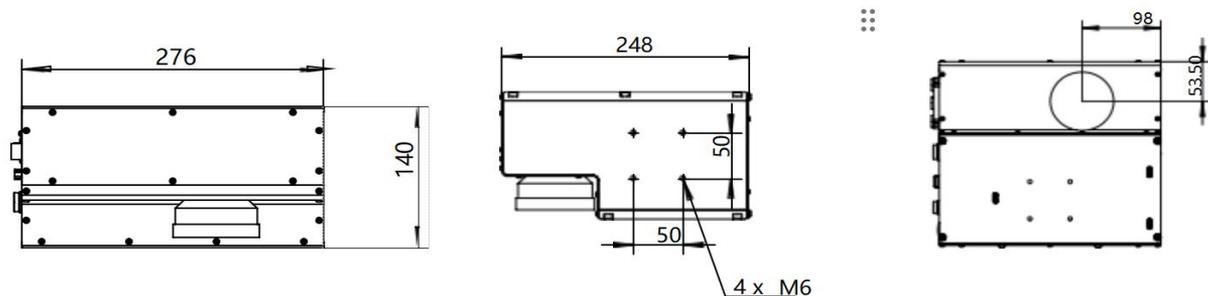70mm*70mm, 110mm*110mm, other options available

Operation interface

Web interface or 10.1 inch color touch screen

Upload and download jobs and Settings via USB flash memory

Standard I/O: Ethernet   interface, USB, encoder, sensor,
Optional grentsun alarm, remote interlocking mechanism (dual channel)

Memory function

The common setting is pre-stored and can be directly called later without repetition

The editor and date can be used directly according to the system date

Work environment:

Prevent dust from entering and cool the internal environment

Environmental temperature: 0~ 40℃(no condensation)

Cooling-down method:

hydrocooling

Protection level:

Reliable IP54 design (IP65 is available)

Power demand:

Automatic power range: 100 to 120V or 200 to 240V
1 PH.350 VAC (automatic range), 50/60 HZ

Coinge unit size

GRENTSUN

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