



# V Series 30W On-The-Fly Laser Printer

## CO<sub>2</sub> Laser Marking System

### Introduction

The 30W CO<sub>2</sub> laser marking system delivers high-efficiency, near-primary-color marking across diverse materials. With three wavelength options (10.6μm, 10.2μm, 9.3μm) and an air-cooled design, it achieves line speeds up to 300 m/min with a remarkable 40,000-hour laser lifetime.

CO<sub>2</sub> lasers have lower energy densities than other solid-state lasers have. They are widely used on wood, paper, cardboard, glass, rubber, PMMA, PET, etc.



#### High-Speed Marking

Marking speed is up to 1350cps. Up to 300 m/min line speed for maximum production throughput.



#### Near-Primary-Color Marks

High-quality, natural-looking marking on a wide range of surfaces.



#### Clear & Permanent Marks

Clear & permanent marks with sharp-cut edges are generated via precise laser ablation. The markings resist abrasion, chemical solvents and high-temperature exposure. No fading or smudging will occur during long-term service of the workpiece.



#### Up to 40,000h Lifetime, Economical-friendly

Well-proven mature-duty technology, long laser-tube service life and ink-free operation cut running-cost. Capital expenditure is far lower than inkjet and other laser solutions.

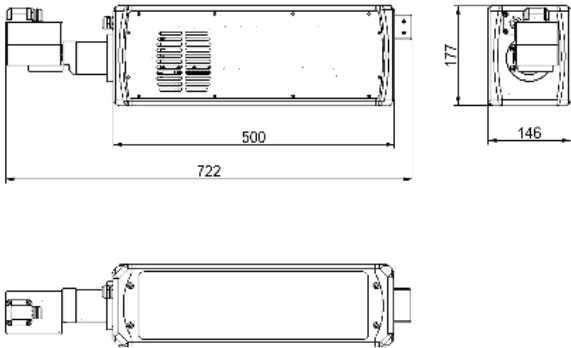
### Applications



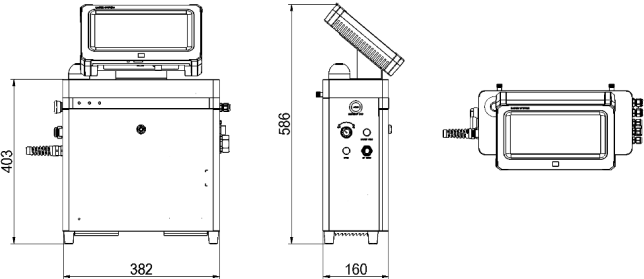
| Model                    |                       | V300c                                                                                                                                                            | V302c  | V303c | V310c                                             | V320c  | V330c |
|--------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------------------------------------------------|--------|-------|
| Basic Configuration      | Laser power           | 30W                                                                                                                                                              | 30W    | 30W   | 30W                                               | 30W    | 20W   |
|                          | Laser type            | Sealed metal RF CO <sub>2</sub> laser source (CN)                                                                                                                |        |       | Sealed metal RF CO <sub>2</sub> laser source (US) |        |       |
|                          | Laser wavelength      | 10.6μm                                                                                                                                                           | 10.2μm | 9.3μm | 10.6μm                                            | 10.2μm | 9.3μm |
|                          | Mark field            | Standard: 90mm x 90mm, maximum: 400mm x 400mm                                                                                                                    |        |       |                                                   |        |       |
|                          | Positioning method    | Red-light positioning & preview                                                                                                                                  |        |       |                                                   |        |       |
| Marking Features         | Writing speed         | 1350 characters / second                                                                                                                                         |        |       |                                                   |        |       |
|                          | Production line speed | 0~300m/min (varies according to materials and printing contents)                                                                                                 |        |       |                                                   |        |       |
|                          | Image format          | BMP/DXF/HPGL/JPEG/PLT                                                                                                                                            |        |       |                                                   |        |       |
|                          | Code type             | Code128A, Code128B, Code128C, Code39, Code93, Ean13, PDF417, 01 Code; QR, DM, GS1-DM, AztecCode, HanxinCode, DotCode                                             |        |       |                                                   |        |       |
|                          | Lines of characters   | No limits within mark field                                                                                                                                      |        |       |                                                   |        |       |
| System Features          | Operating system      | SUNINE V6 platform Linux Based                                                                                                                                   |        |       |                                                   |        |       |
|                          | Type of drawings      | Both dot matrix and vector                                                                                                                                       |        |       |                                                   |        |       |
|                          | Language              | Chinese Simplified, Chinese Traditional, English, German, Spanish, French, Italian, Japanese, Korean, Portuguese, Hindi, Russian, Turkish, Arabic, Persian, etc. |        |       |                                                   |        |       |
|                          | Interfaces            | RS-232C / USB2.0 / Ethernet, I/O                                                                                                                                 |        |       |                                                   |        |       |
| Structure and Conditions | Machine material      | Anodized Aluminum (Laser Head) & Stainless Steel (Control Unit)                                                                                                  |        |       |                                                   |        |       |
|                          | Power supply          | 100~240VAC 50/60Hz                                                                                                                                               |        |       |                                                   |        |       |
|                          | Power consumption     | ≤800W                                                                                                                                                            |        |       |                                                   |        |       |
|                          | Machine weight        | 33kg                                                                                                                                                             |        |       |                                                   |        |       |
|                          | Cooling system        | Air-cooled                                                                                                                                                       |        |       |                                                   |        |       |
|                          | Dimensions            | 722mm x 146mm x 177mm (Laser head)<br>382mm x 160mm x 403mm (Control box)                                                                                        |        |       |                                                   |        |       |
|                          | Working conditions    | 5-40°C; 30%-85% RH (No-condensing)                                                                                                                               |        |       |                                                   |        |       |

Dimensions (mm)

Laser Head



Control Unit



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