



# V Series 60W On-The-Fly Laser Printer

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

### Introduction

The 60W 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

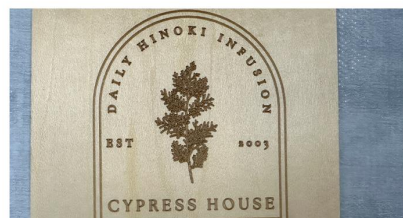
Clear & permanent marks with sharp-cut edges are generated via precise laser ablation. The markings resist abrasion, chemical solvents and high-temperature exposure. No fading or smudging will occur during long-term service of the workpiece.



#### 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.

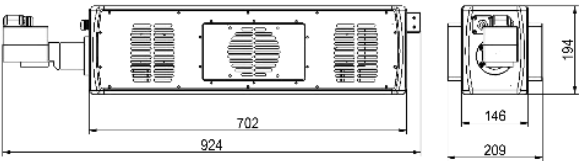
### Applications



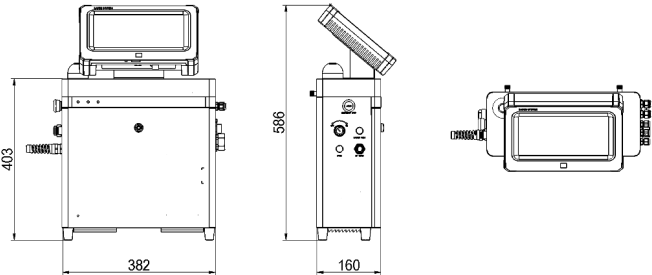
| Model                    |                           | V600c/V610c                                                                                                                                                      | V602c/V620c | V603c/V630c |
|--------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Basic Configuration      | Laser power               | 60W                                                                                                                                                              |             |             |
|                          | Laser type                | Sealed metal RF CO2 laser source                                                                                                                                 |             |             |
|                          | Laser wavelength          | 10.6μm                                                                                                                                                           | 10.2μm      | 9.3μm       |
|                          | Mark field                | Standard: 90mm×90mm, maximum: 400mm x400mm                                                                                                                       |             |             |
|                          | Positioning method        | Red-light positioning                                                                                                                                            |             |             |
| Marking Features         | 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          | Linux                                                                                                                                                            |             |             |
|                          | 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              | 220V / 50-60Hz (110V optional)                                                                                                                                   |             |             |
|                          | Power consumption         | ≤1700W                                                                                                                                                           |             |             |
|                          | Machine weight            | 44kg                                                                                                                                                             |             |             |
|                          | Protection class of shell | IP54 (laser printer head) (IP65 for whole laser head optional)                                                                                                   |             |             |
|                          | Cooling system            | Air-cooled                                                                                                                                                       |             |             |
|                          | Dimensions                | 924mm x 209mm x 194mm (Laser head)<br>382mm x 160mm x 403mm (Control box)                                                                                        |             |             |
|                          | Working conditions        | 0-45℃                                                                                                                                                            |             |             |

Dimensions (mm)

Laser Head



Control Unit



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