

# UV Laser Marking Machine

## UV-30/ 50



### Features:

- 355nm violet wavelength, cold light source, suitable for marking on sensitive materials;
- Air cooling without maintenance, long lifetime;
- Excellent beam profile to achieve fine marking line;
- Laser directly acting on molecular chain with maximum extend to avoid heat effect, without dust or smoke during marking.
- Standard contrast > 300:1

### Material:

355 series violet laser marking system, adopt 355nm top processing industry wavelength, which can maximum reduce deformation and thermal effect of the processed materials, specially suitable for ultra fine marking, engraving of all kinds of Plastic / Glass / Tissue cassettes / Medical slides.



## Specifications

|                            |                |            |
|----------------------------|----------------|------------|
| Wavelength                 | 355nm          |            |
| Output power               | 3W@30kHz       | 5W@30kHz   |
| Single pulse energy        | >100@30kHz     | >160@30kHz |
| Rep. rate                  | 10~100 kHz     |            |
| Focus length               | ~160mm         |            |
| Marking scope              | 110mm x 110mm  |            |
| Marking depth              | ≤0.1mm         |            |
| Maximum marking line speed | 7000mm/s       |            |
| Minimum marking line width | ≤0.1mm         |            |
| Power consumption          | ≤0.2KW         |            |
| Power requirement          | 220VAC/ 110VAC |            |

### Configuration List:

| No. | Part          | Quantity | Specification                 | Supplier                      |
|-----|---------------|----------|-------------------------------|-------------------------------|
| 1   | rack          | 1        | Desktop                       | CNI Laser                     |
| 2   | software      | 1        | EZCAD Marking Software Ver2.1 | CNI Laser                     |
| 3   | Laser         | 1        | AO-355A-3W / 5W               | CNI Laser                     |
| 4   | galvanometer  | 1        | SI-10-D                       | CNI Laser                     |
| 5   | F-θ Focus Len | 1        | F160-110x110                  | wavelength<br>optoelectronics |
| 6   | Foot switch   | 1        | CFS-1                         | CHANGDE ELECTRIC              |
|     |               |          |                               |                               |
|     |               |          |                               |                               |
|     |               |          |                               |                               |
|     |               |          |                               |                               |

# Marking Sample

**White plastic**



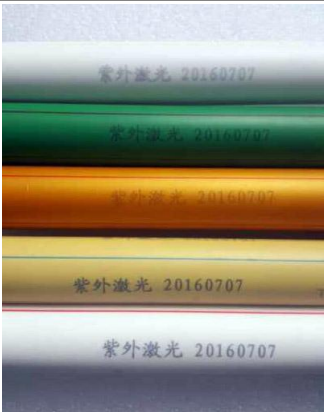
**Plastic keys**



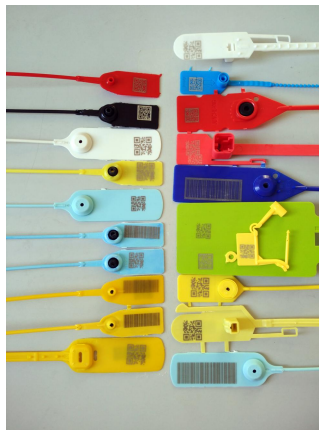
**Tableware**



**Cable**



**Plastic seal**



**Medical slides**



**Monitor shell**



**Plastic lamp tube**



**Plastic bottle cap**

