

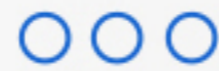
# DANA F20 Series UV Laser Marking Machine

No consumables | High-speed | Permanent



Advantages

# For All Functions YOU WANT



Equipped with  
Encoder



Industrial  
Touch Screen



Precise Marking  
0.01mm Accuracy



Continuous  
Working



Freely Editing  
Content



Quality  
Assurance

# PRODUCT DETAILS



01

## High-performance Galvanometer

Quality digital galvanometer  
High system resolution  
Good light sensitivity  
Low loss and uniform illumination.

02

## Chiller

Precision Temperature Control,  
Efficient Cooling, Smart Safety,  
Energy-Saving & Quiet Design.



03

## Brand Laser

Adopt JPT laser Provide stable  
and reliable performance Continuous  
working up to 25,000 hours.

04

## Touchscreen Controller

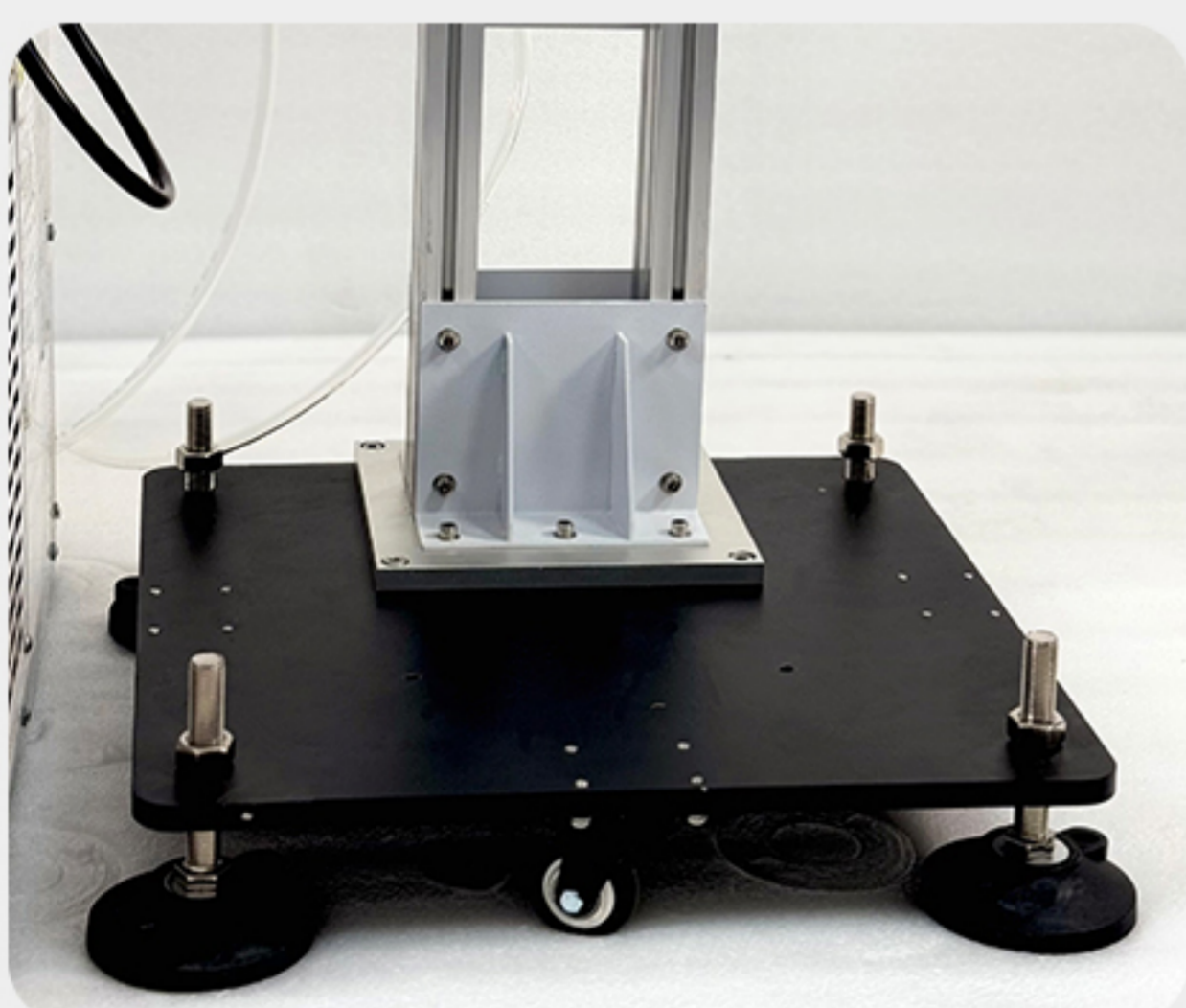
Industrial-grade touch screen, embedded  
DANA self-developed control software.  
LINUX operating system.  
Support multiples languages.



05

## One-piece Cast Iron Base

Large base plate design,  
the chiller can be placed  
on the base to save space.



06

## Precise Handwheel Focal Length

Adjust the focal length manually  
according to the height of the product.



# APPLICATION INDUSTRY

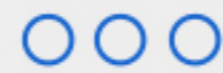
Widely Applied in: Medical&Medicine, Food & Beverage,  
Daily Chemicals, Pipe, etc..

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# APPLICATION MATERIALS

Mark Most Metal and Non-metal Materials



**GLASS**

beer bottles, cups,  
trophys, mugs

**PMMA**

signboards, pendants,  
instrument panel

**COMPOSITE**

FRP, PLY, ACP,  
Tetra Pak

**CERAMICS**

tablewares, ornaments,  
electronic components

**LEATHER**

shoes, bags,  
belts, mouse pads.

**METAL**

machines, keys,  
appliances, souvenirs

# Effortless Coding for All Content Types

Support PLT, PCX, DXF, BMP  
Support Text, Bar code, QR code



BAR CODE



QR CODE

Various text styles  
Screen Mode Switch

Monoline Font: 2024.10.01  
Hollow Font: 2024.10.01  
Solid Font: 2024.10.01

Chinese&English  
digital dates

生产日期: 2025.4.20  
EXP: 2025.4.20

Variable Data  
Multiple Marking  
lines

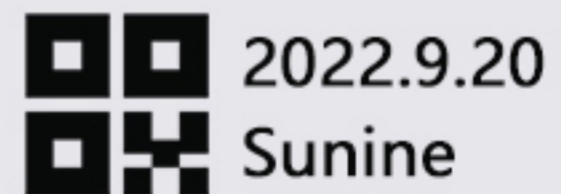
A2000001  
Production Date: 2022.09.20 11:27:30  
Production Date: 2022.09.20 11:27:30



Vector Graph



Logo

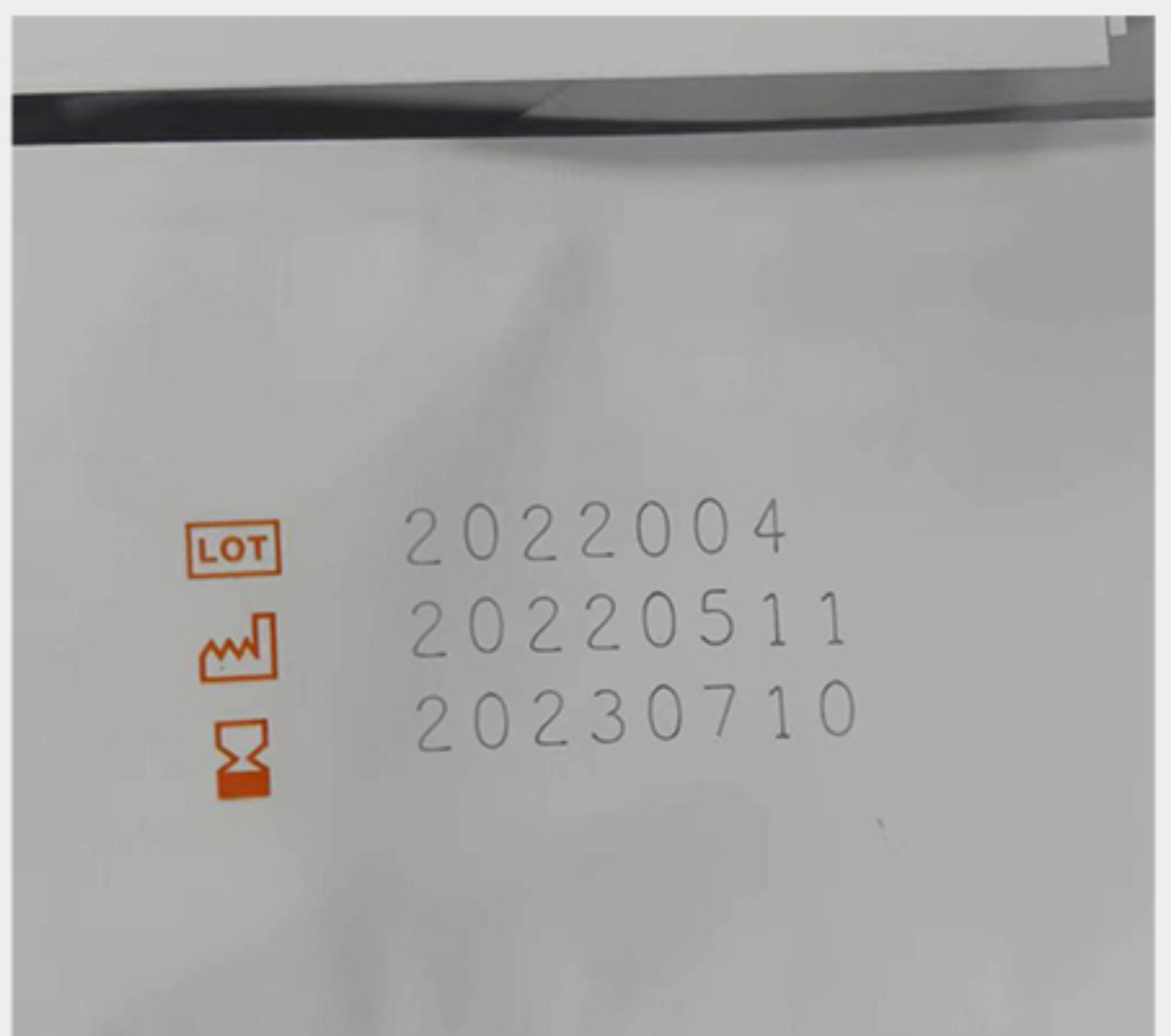


Grouped Data

# SHOW CASE

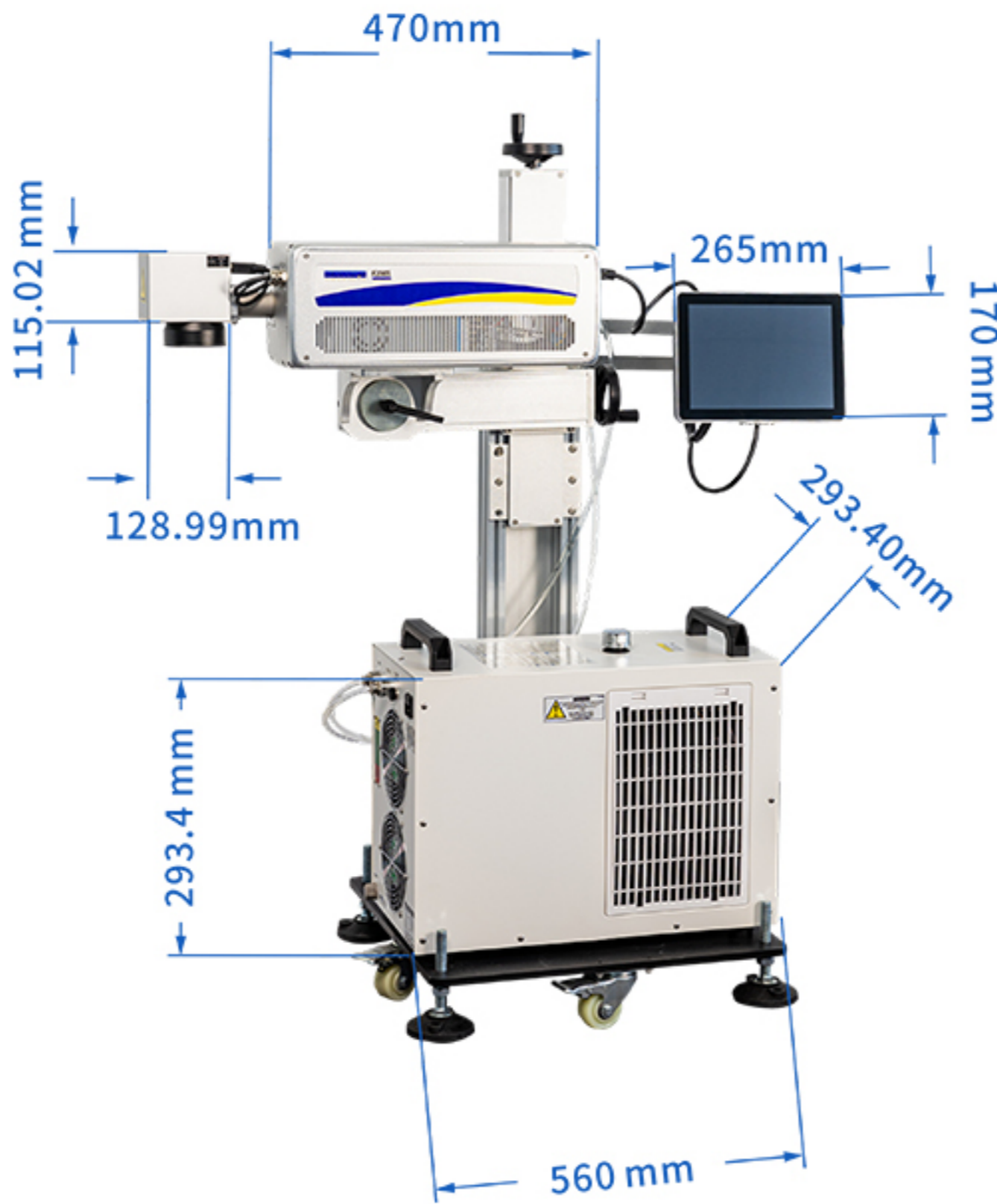
Suitable for Multiple Materials&Industries

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# PRODUCT PARAMETER

## F20



\*Extensible Height, Max1600mm

Laser-type	UV Laser Wavelength:355nm, 25000hrs continuous working time
Laser Power Class	3W / 5W / 10W / 15W / 20W
Focal Length	188mm(Standard)
Max. line marking speed	10000mm/S
Marking Field	110mm×110mm, Max:550×550mm
Marking lines	Set any line numbers within the valid marking range
Min. Line Width	0.01mm
Character Height	0.2-110mm
Typeface	Single line, Dot matrix, True Type
Marking Content	Text, Graphics, Barcode,QR code, Dynamic serial number, real-time clock, TXT file, RS232 Communication data
Marking Angle	Any Angle, Three-dimensional adjustable
Monitor	Industrial Touch screen
Operating Language	Chinese, English and other Languages
Protection Degree	≥ IP54
Cooling Method	Water Cooling
Working Temperature	-5-45°C
Working Humidity	Relatively Wet 80% RH, Non Condensing
Power Supply	220V,1KVA