

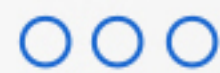
DANA F20 Series UV Laser Marking Machine

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

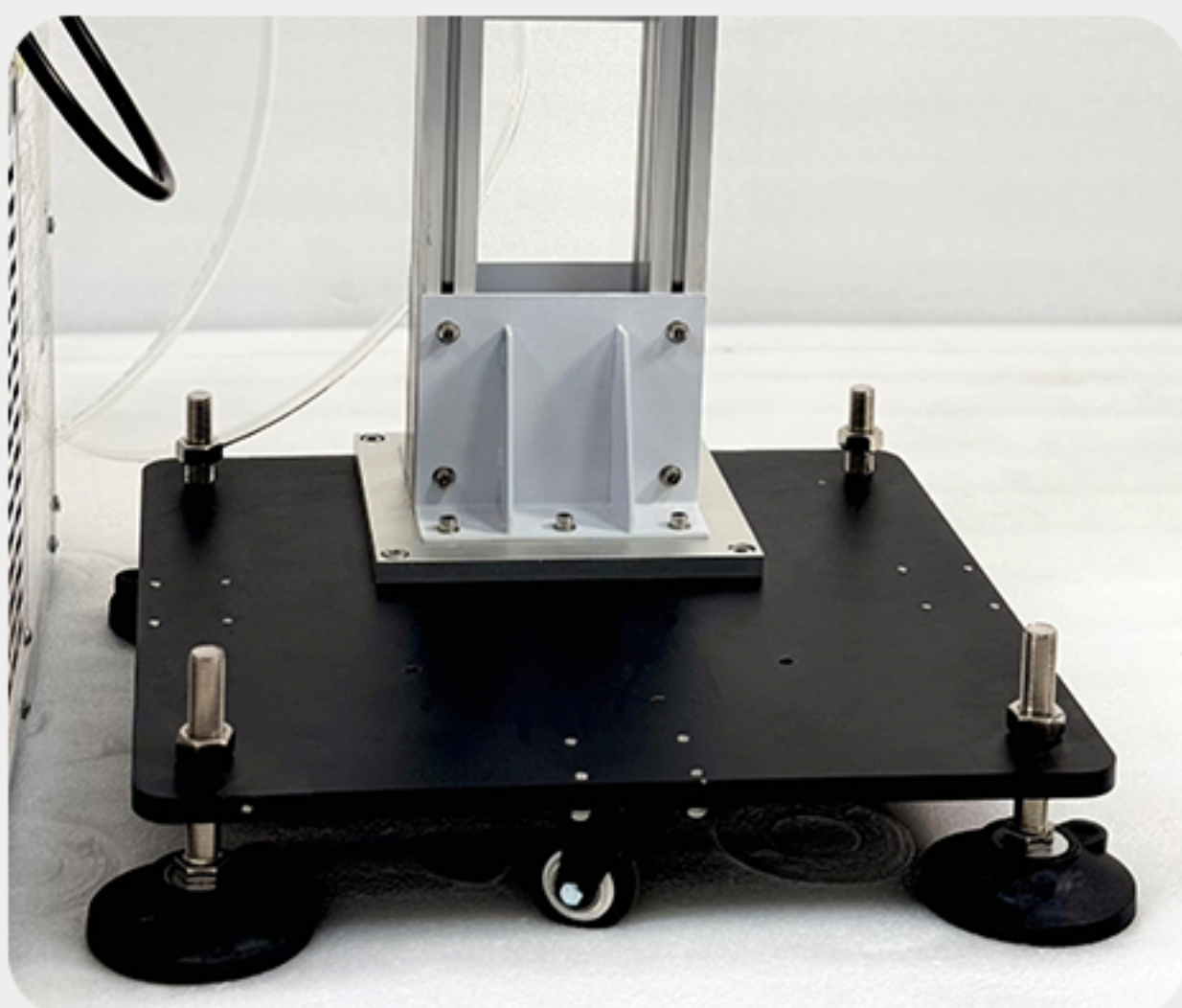
Brand Laser

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

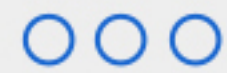
Widely Applied in: Medical&Medicine, Food & Beverage,
Daily Chemicals, Pipe, etc..

〇〇〇



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

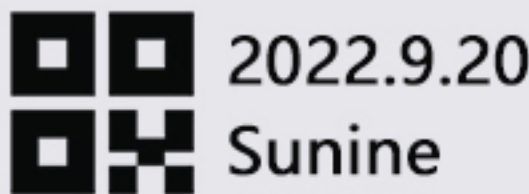
A2000001
Production Date: 2022.09.20 11:27:30
Production Date: 2022.09.20 11:27:30



Vector Graph



Logo

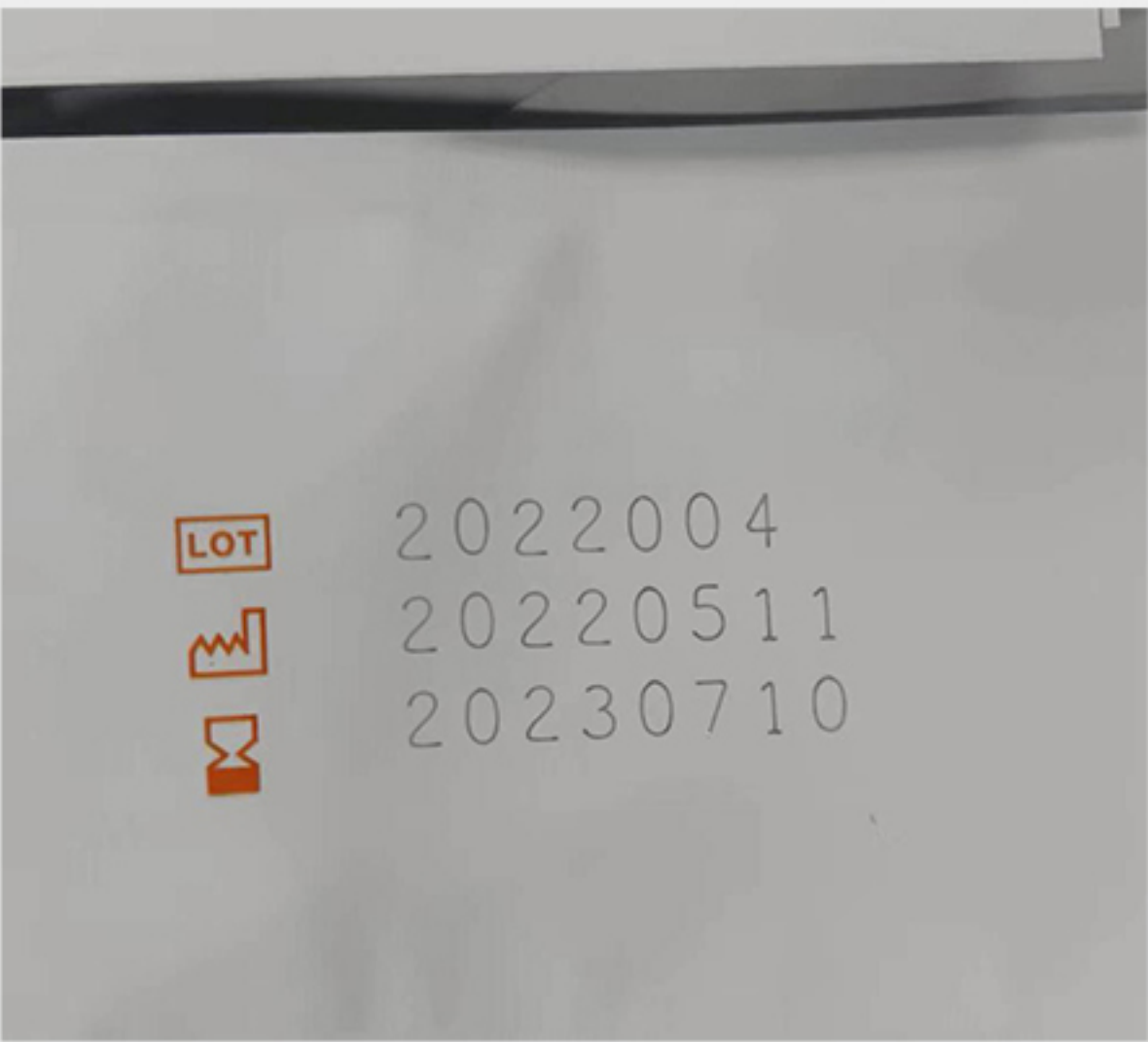
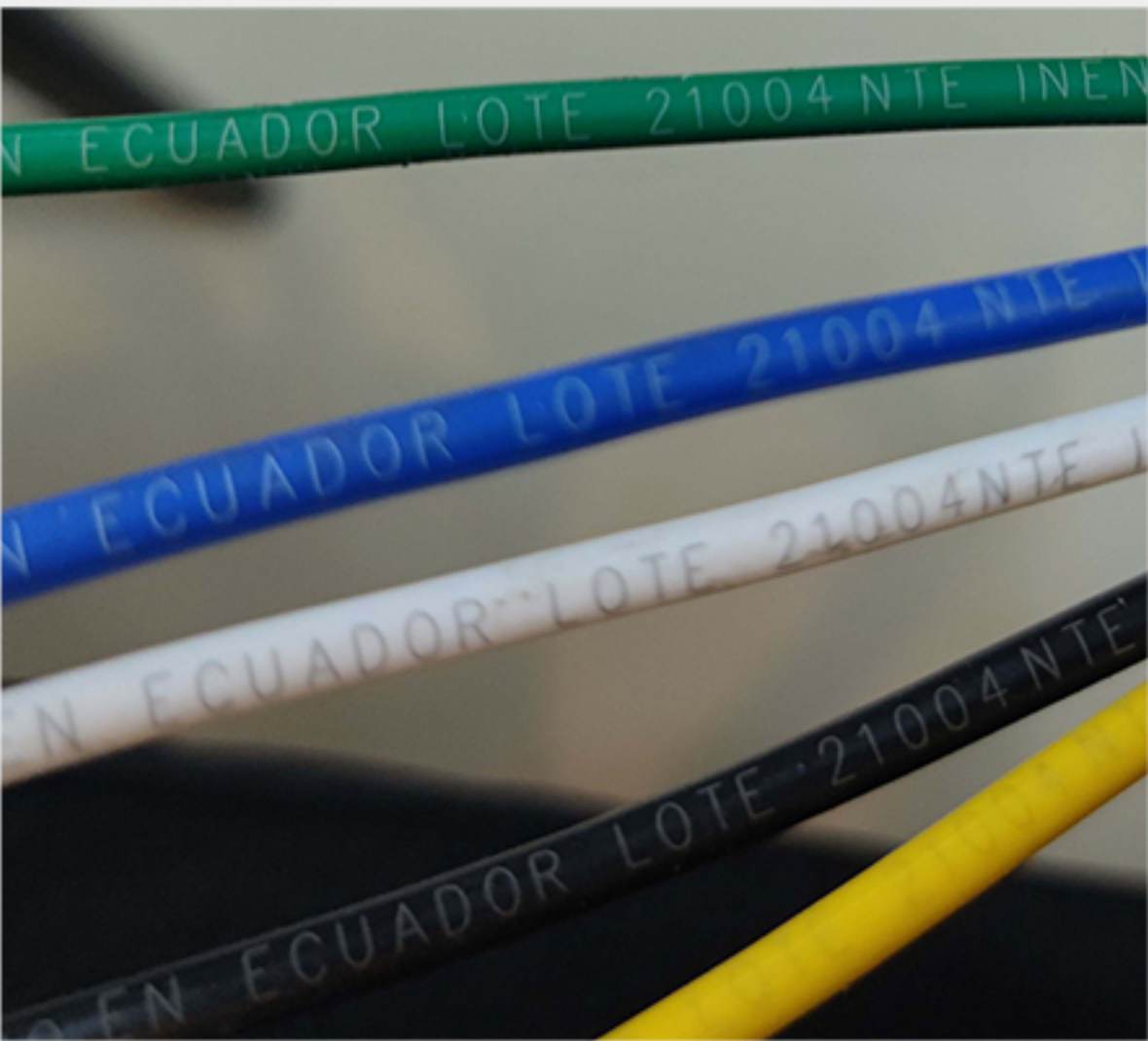


Grouped Data

SHOW CASE

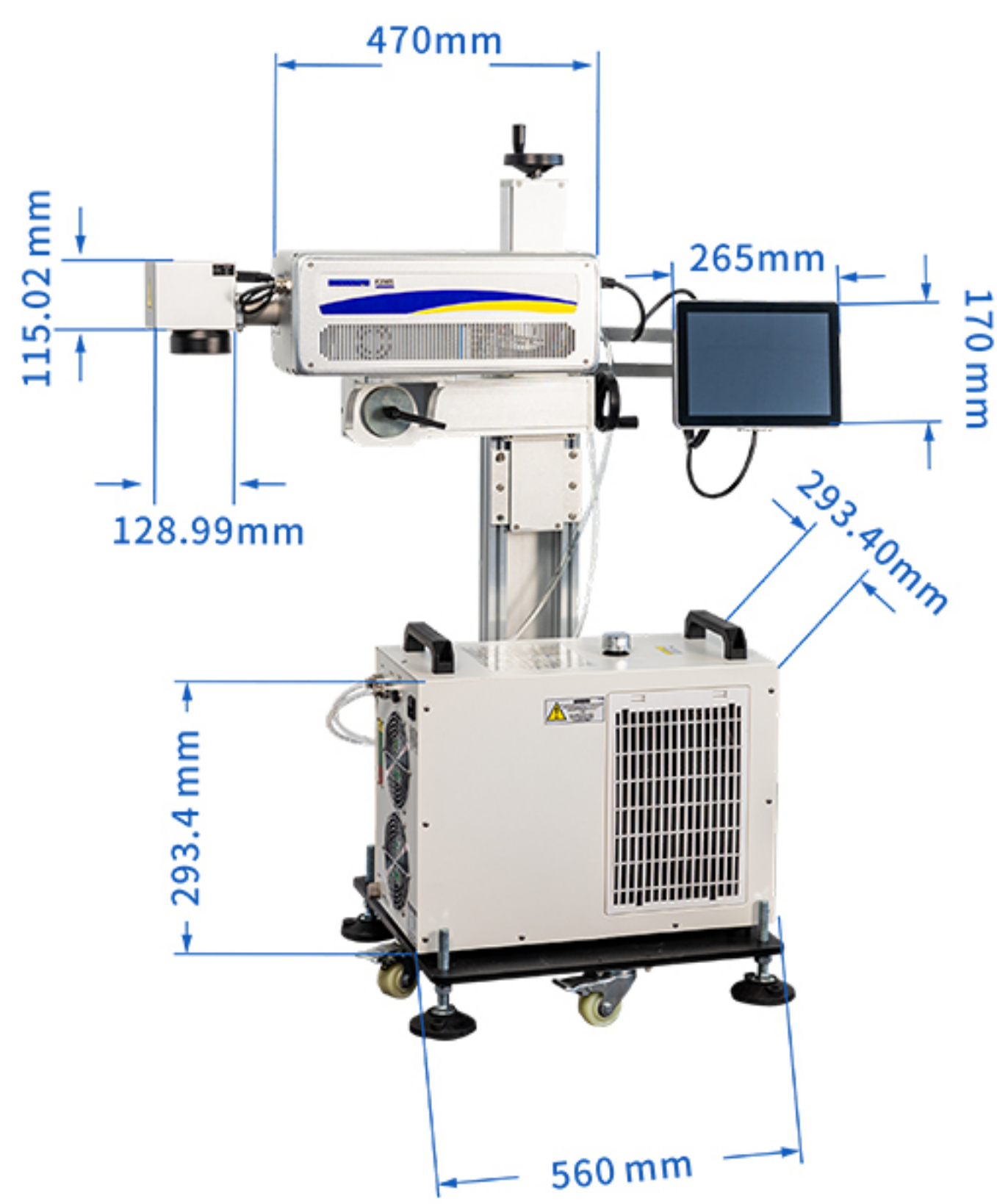
Suitable for Multiple Materials&Industries

ooo



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	0.2-70mm
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, Four-dimensional adjustable
Monitor	Industrial Touch screen
Operating Language	Chinese, English and other Languages
Protection Degree	≥IP54
Cooling Method	Water Cooling
Working Temperature	-5-45℃
Working Humidity	Relatively Wet 80% RH, Non Condensing
Power Supply	220V,1KVA