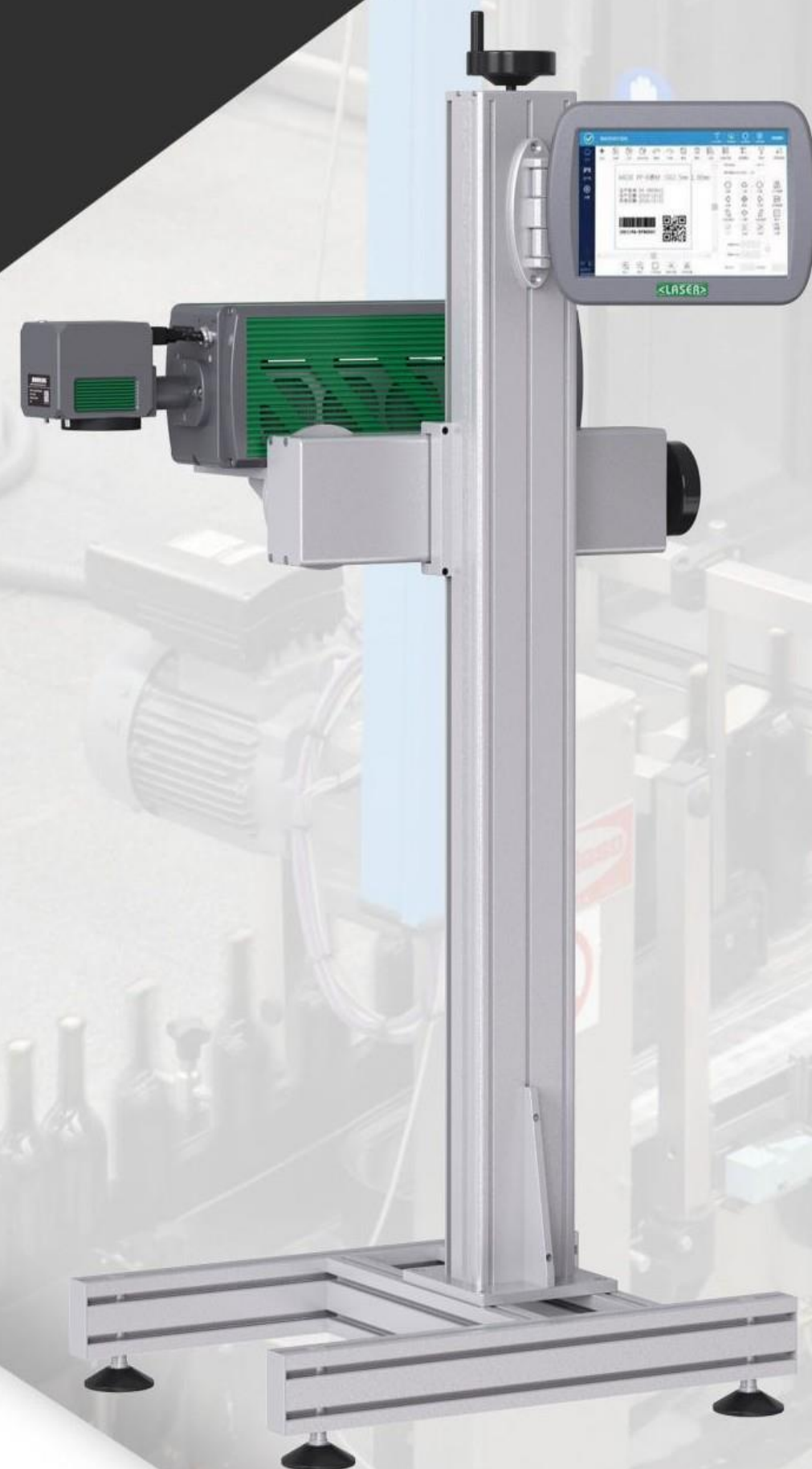


CO₂ Laser Marking Machine

HIGH-SPEED LASER MARKING SCHEME



CF SERIES

Co₂ laser marking machine



Simple
10-inch touch editing WYSIWYG



Intelligent
Smart Rich IO interface realizes intelligent production line control



Stable
Highly integrated modular design for easier installation and maintenance



Efficient
Built-in speed self-test system for easy productivity evaluation



SPECIFICATIONS

	CF30	CF40	CF60
Basic parameters			
Laser power:	≥38 W	≥47 W	≥70 W
Laser type:	Sealed-off modulated-pulse CO2 RadioFrequency laser		
Wavelength:	10600 nm, (Optional 10200nm or 9300nm)		
Cooling method:	Air Cooling		
Marking characteristics			
Production line speed:	Maximum speed up to 300m/min (depending on the material)		
Marking lines:	Unlimited within the marking range		
Character height:	0.3mm to the maximum marking range		
Marking type:	Text, time, counter, random code, logo, barcode, QR code, image		
Font type:	TTF standard font library		
Support graphics format:	BMP/DXF/HPGL/JPEG/PLT		
Marking range:	110x110mm *		
Focal length:	150mm		
Working distance:	155mm		
Operating system:	Linux		
Support language:	English, German, Chinese, etc., customizable local language		
Screen:	10 inch touch screen		
Marking software:	Star Dance laser marking software		
Processing method:	Synchronous speed, simulation speed, static marking		
Scan head:	Zbtk scanning head, can be positioned in various directions, including axial		
Focusing method:	Manual adjustment of double red dot focus		
Machine material:	Sandblasted and oxidized all-aluminum structure		
Weight and dimensions			
Machine weight:	CF30/CF40 laser machine part: 13kg, CF60: 23kg, flight stand part: 30kg		
Size:	650*550*1420mm		
Fiber optic wire :	All-in-one design, no extra cables		
Input / Output			
Product speed monitoring:	Synchronizer or synchronization signal		
Product detection input:	NPN / PNP / 12V sensor		
Transfer port:	RS232, USB, Network Port		
Power requirements :	Single phase, 100-110V / 220-240V, 50 / 60Hz, 700W		
Environmental requirements			
Ambient temperature:	5°C-40°C		
Ambient humidity:	< 90%RH, Non-condensing		
Optional *			
Marking range:	140, 175, 210, 300, 450, 500 (Ratio: 1:1, Unit: mm)		
Smoke purify machine:	Air volume: 250m³/h, Purification efficiency: 0.3 μm99.99%		

* All the above data will depend on the material and marked content

APPLICATION

The flying CO₂ laser marking machine can synchronize the production line speed for precise marking. Applications include: grass, films, plastics, paper, wood, fabrics, and applications in food, beverage, electronics, automotive, medicine, and more.



PET bottle



Aluminized bags



Carton



Glass bottle

SIZE AND WEIGHT

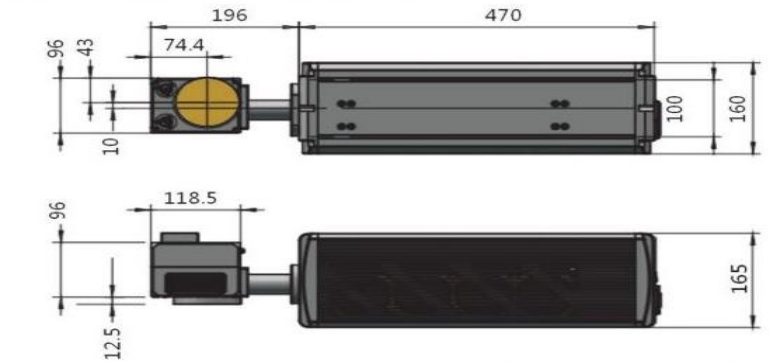


Overall dimensions: 650*550*1420mm
Product Net Quantity: 43KG

Number of single pieces: 2 pieces
Packing box material: Export wooden box
Laser packing box size: 810*380*320mm, 20KG
Bracket packing box size: 1400*380*280mm, 40KG

Detail size (Unit: mm)

Laser head and Scan head



Marking software window



Two-dimensional adjustment bracket

