SUNiNE

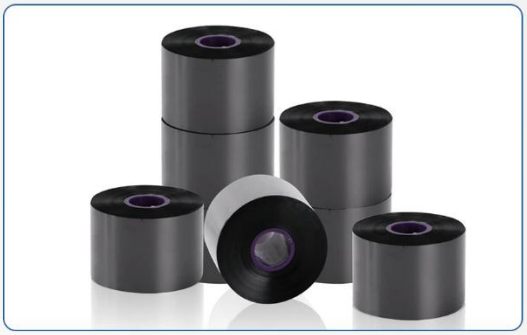
UV-(F)T SERIES LASER CODING SYSTEM

TRANSITION YOUR TTO TO SUNINE UV-(F)T SERIES

Unlike ink printing on the surface of packaging films by TTO, 355nm-wavelength UV-(F)T Series Laser Coding System is capable of marking through the surface of packaging film into the next layer. UV lasers feature cold coding quality laser beam. It is able to mark out high-quality results with minimal heat stress to the packaging materials' surface, no damage occurs. It delivers precise marking for for a wide range of films.

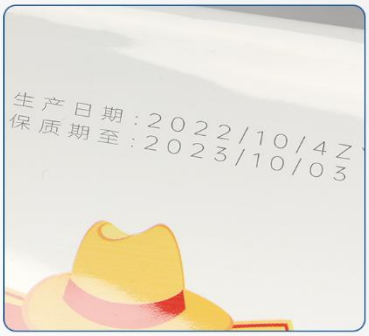
ECO-FRIENDLY & NO CONSUMABLES

UV-(F)T Series eliminates consumables — no need for inks, ribbons or regular parts for replacement, helping save production costs and increase production efficiency.
Used Ink ribbons are hazardous waste . They need to be processed through special methods, which increases production costs. UV lasers do not produce any hazardous waste and is environmentally friendly and energy-saving.



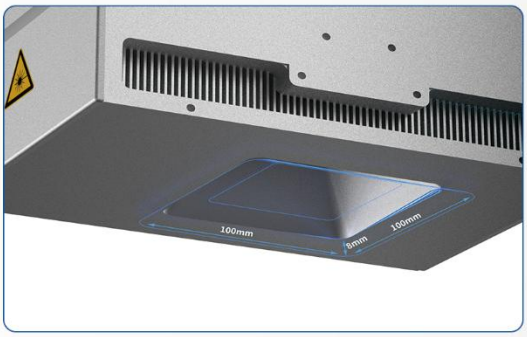
CLEAR & PERMANENT MARKS

UV lasers don’ t cause any substantial damage to packaging materials. It can deliver clear, gorgeous and permanent marks on the object’ s surface It eliminates the possibility of TTO coding falling off from the packaging materials.

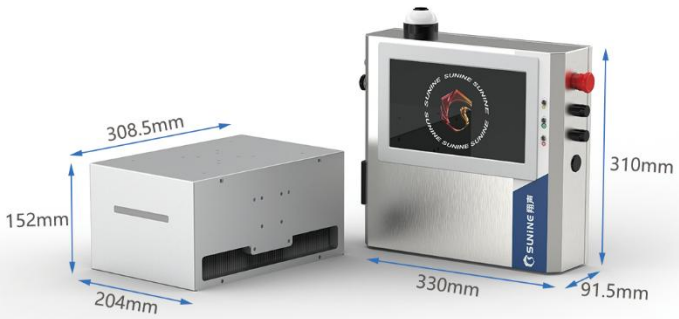


COMPACT DESIGN & EASY TO USE

The volume is similar to the size of the TTO machine on the market. The working distance is only 8mm for air-cooled version and 75mm for water-cooled version. The working range is up to 100x100mm. So it can replace TTO to use easily.
Equipped with SUNINE’s self-developed V5 software system, it is simple and easy to use.



UV520T



UV300FT

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Model#	UV300FT	UV520T
Laser Power	3W	5W
Machine Material	Anodized Aluminum (Laser Head) & Stainless Steel (Control Unit)	
Laser Type	UV Laser Source	
Laser Wavelength	355nm	
Scanning Method	High-precision 2-dimensional scanning method	
Marking Speed	⩽12000mm/s	
Main Control	Highly integrated motherboard with 10” touch screen controller	
Operating System	Linux	
Cooling System	Air-cooled	Water-cooled
Type of Drawings	Both dot matrix and vector	
Reflector size	8.5mm	
Mark Field	100mm x 100mm	
Positioning Method	Blue-light positioning	
Working Distance	8mm	75mm
Lines of Characters	No limits within mark field	
Production Line Speed	0~300m/min (varies according to materials and printing contents)	
Language	Chinese Simplified, Chinese Traditional, English, German, Spanish, French, Italian, Japanese, Korean, Portuguese, Hindi, Russian, Turkish, Arabic, Persian, etc.	
Image Format	BMP/DXF/PNG/JPEG/PLT/JPG	
Code Type	Code128A, Code128B, Code128C, Code39, Code93, Ean13, PDF417, 01 Code; QR, DM, GS1-DM, AztecCode, HanxinCode, DotCode	
Power Supply	220V / 50-60Hz (110V optional)	
Power Consumption	⩽400W	⩽750W
Machine Weight	18.5kg (laser head + controller)	35kg (laser head + controller + chiller)
Laser Head Size	308.5mm x 204mm x 152mm	209mm x 140mm x 180mm
Control Box Size	330mm x 92mm x 325mm	418mm x 260mm x 718mm
Interfaces	RS-232C/USB2.0/Ethernet,I/O	
IP Grade	IP54	IP54
Working Conditions	5-40°C	5-40°C

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