

TruMark 3330

High contrast
and outstanding
quality

01

High contrast
thanks to short
pulse duration

Perfect for plastics

02

Quality
promise

UV availability

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TRUMPF
Xchange

Option to receive
partial credit up to
end of fourth year

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Longer
warranty period

Coverage available
for 24 months



Choose UV marking without sacrificing quality – with TruMark 3330

The TruMark Series 3000 already has a proven track record on the shop floor – and now TRUMPF has added its expertise in UV lasers to tackle even the most demanding industrial applications. The TruMark 3330's innovative technology gives you the stable laser parameters you need for a highly reliable marking process, and it gets the job done even at ambient temperatures of 40°C. Compared to similar products, the TruMark 3330 also offers higher availability throughout its entire service life.

01



High contrast thanks to short pulse duration

Perfect for plastics

TRUMPF's proven UV laser concept delivers pulse durations significantly shorter than 10 ns. This speeds up the whole process and gives you much higher contrast right from the very first mark. It's the perfect solution for fast and high-quality marking – without damaging the base material.

02



Quality promise

UV availability

TRUMPF's UV laser concept is a tried-and-tested option for industrial applications. As well as a short pulse duration, it also offers high pulse-to-pulse stability and optimized run-in behavior. These features offer major advantages that increase the efficiency and process reliability of your production line. TRUMPF's carefully crafted UV laser processes ensure high-quality laser marks during the service life (for example deployment in three-shift operation for at least 7 years¹).

¹ Assuming 250 working days a year, > 90% available laser power compared to factory default, 50% duty cycle (ratio of laser beam on to off time).



High contrast and outstanding quality

With its short 355 nm wavelength, the TruMark 3330 delivers consistently high-contrast, permanent markings – particularly on plastics. This makes it the perfect choice for identification and traceability marks as well as for aesthetic markings to enhance product design. The system offers impressive marking speeds thanks to its superb performance, high absorption rates for UV light, and a dynamic scanner unit. This is a real bonus for meeting tight production schedules in industries such as electrical engineering, medical device, packaging and pharmaceuticals.

03



Longer warranty period

Coverage available for 24 months

You can choose between a material warranty or a full-system warranty that covers the entire laser marking system, including on-site service.

04



TRUMPF Xchange

Option to receive partial credit up to end of fourth year

Even if the worst happens, you can still rely on the TRUMPF Xchange program. If your TruMark 3330 laser head develops a fault after the warranty has expired we'll give you a partial credit on the purchase of a replacement up until the end of the fourth year.

Technical data

Laser medium	Nd: YVO4	Beam quality M ²	< 1.5 typ. 1.3
Wavelength	355 nm	Max. power consumption	< 0.6 kW
Pulse repetition frequency	1–120 kHz	Average power consumption	< 0.3 kW
Average power ^[1]	2.3 W @ 33 kHz	Electrical connection	85–264 V, 10 A, 47–63 Hz
Max. marking field size ^[2]	220 x 220 mm ² @ f = 330 mm	Protection type	IP 54
Pulse duration	8 ns @ 33 kHz	Permitted ambient temperature	15–40°C
Min. focal diameter	16 µm @ f = 100 mm	Cooling system	Air

^[1] Average power at the workpiece at a working frequency of 33 kHz. ^[2] Other lens and marking field sizes available.

Subject to alteration. Only specifications in our offer and order confirmation are binding.

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