



Laser Series

Rondo

The industrial nanosecond laser powered by Taranis

Rondo Laser series is a range of powerful industrial nanosecond lasers offering output power up to 200W and pulse energies in excess of 250μJ, with pulses shorter than 50 ns.

Based on our proprietary technology (Taranis Single Crystal Fiber), Rondo 4223 laser is designed for high repetition rate up to 500 kHz. Rondo 3720 laser is based on NdYVO₄ amplifier technology to deliver high output of 100W at an affordable price. All these unique architectures provide excellent reliability and beam quality, all in a compact packaging.

The short pulse-widths, high energy and high power combined with all other features (PSO, Burst, UV convertor) enable to achieve cost-efficient industrial processes.



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Femtosecond Lasers

Fast & Steady wins the race

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Specifications

	Rondo 3720	Rondo 4223
Average Power	100W (IR) / 25W (UV) @100kHz	180W (IR) / 38W (UV) @300kHz
Repetition Rate	50-150 kHz	300-500 kHz
Pulse Energy*	250 μ J	126 μ J
Average Power Stability	< 3%	
Center wavelength	1064 nm / 355 nm	1030 nm / 343 nm
PER	> 20 dB	
Spatial Mode	TEM00	
Pulse Width	< 50 ns	< 20 ns
Beam diameter	3 mm \pm 10%	
Beam divergence	0.5 mrad	
Beam Ellipticity	\geq 0.9	
Beam Quality (X/Y)	$M^2 < 1.5$	$M^2 < 1.3$
Warm-up time	< 30 min	
Laser Dimensions (l x L x h)	926 x 330 x 200 mm	858 x 459.5 x 187.4 mm
Laser Weight	60 kg	60 kg
Power Supply Dimensions (l x L x h)	625.5 x 482.6 x 102 mm	805 x 550 x 900 mm
Power Supply Weight	20 kg	70 kg

* Pulse Energy in UV

Cooling

Water-cooled

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