

SERIES 5 · Q-SWITCHED ND:YAG

Regent R5 Q-Switched

Dual-Rod Nd:YAG — 1064nm / 532nm



The Regent R5 delivers nanosecond Q-switched energy from a single-lamp, dual-rod resonator through a seven-joint articulated light guide arm, with adjustable spot sizing and automatic energy intensity calculation.

1064nm / 532nm	7ns Pulse	2-10mm Spot	1800W Max
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TECHNICAL PARAMETERS

Treatment handle	1064nm / 532nm
Optional handles	585nm, 650nm, honeycomb, Gaussian, fractional
Output energy	1200mj @ 1064nm, 500mj @ 532nm
Pulse duration	7ns
Spot size	2mm - 10mm, adjustable
Frequency	1Hz - 10Hz
Treatment modes	SP, PTP, Genesis
Light guide arm	Seven-joint articulated arm
Cooling system	Air + water cooling
Power	Max 1800W
Voltage	110V / 220V, 50Hz / 60Hz

KEY HIGHLIGHTS

1064nm / 532nm standard probes	1200mj @ 1064nm output energy
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7ns pulse duration	2 - 10mm adjustable spot
SP / PTP / Genesis modes	

HANDPIECES AND PROBES

1064nm standard Standard probe — included in the supplied configuration	532nm standard Standard probe — included in the supplied configuration
Fractional probe Optional — availability confirmed per configuration	Honeycomb handle Optional — availability confirmed per configuration
Gaussian handle Optional — availability confirmed per configuration	585nm / 650nm probes Optional wavelengths — supplied only where confirmed in writing by Regent

CAPABILITY DETAIL

Single lamp, dual rods

The resonator pairs one flash lamp with two laser rods — Ø8mm × 130mm and Ø7mm × 130mm. For a given rod length, the larger rod diameter allows greater amplification and higher output energy.

1000W IGBT power supply

A high-wattage IGBT supply holds output energy stable so that shot-to-shot energy remains consistent, including at higher repetition rates.

Cellular uniform light lens

A cellular uniform light lens within the laser generator supports stable, evenly distributed output energy across the delivered spot.

Energy intensity detection

When output energy or spot size is changed, the software recalculates energy intensity so the operator can see delivered energy directly. Back-end energy calibration supports energy accuracy over time.

Articulated delivery

The seven-joint arm maintains stable energy output and a round spot across its working range, with spot size adjustable from 2mm to 10mm and a red aiming beam for precise positioning.

WARRANTY AND SUPPORT

Five-year warranty on all equipment. Cover is conditional on the platform being serviced exclusively by Regent Medical Aesthetics for the full warranty term. Servicing, parts or modification by any other party voids the five-year cover. Operator familiarisation and ongoing technical support are provided with every installation.

REGULATORY STATUS

Australian regulatory status: Awaiting confirmation from Regent — not published. ARTG status: Not confirmed. No claim of TGA approval, ARTG inclusion, FDA clearance, clinical efficacy or safety guarantee is made for this platform. Permitted indications are determined by regulatory approvals and operator qualifications in the relevant jurisdiction.

Indication lists: Manufacturer indication lists for each probe are not published. Permitted indications are determined by Australian regulatory approvals and operator qualifications.

Accessory inclusions: Handpiece and accessory inclusions are published only once confirmed for the final Australian configuration.

SAFETY

This is a Class IV laser platform. It requires appropriate operator training, protective eyewear and control measures, and an operating environment that complies with applicable Australian legislation, standards and state or territory laser licensing requirements.

ENQUIRIES

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