

FLAGSHIP — SERIES 7 · DIODE LASER

Regent R7 Diode

1200W Multi-Wavelength Diode Laser



The Regent R7 is the flagship of the Regent range: a 1200W multi-wavelength diode platform combining a four-wavelength laser bar, a third-generation quick-release handpiece and compressor-based thermal management within a single console.

1200W	4 Wavelengths	5 Spot Options	15.6" Interface
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TECHNICAL PARAMETERS

Laser power	1200W
Wavelengths	755nm / 808nm / 940nm / 1064nm
Spot sizes	Ø8mm, 5×5mm, 10×10mm, 12×20mm, 20×40mm
Pulse width	10ms - 200ms
Frequency	1Hz - 10Hz
Laser intensity	5% - 100%
Contact temperature	-5°C to 5°C
Cooling system	Air + water + compressor + sapphire cooling
Interface	15.6" colour touch Android display

KEY HIGHLIGHTS

1200W laser output	755 / 808 / 940 / 1064nm
Five interchangeable spot sizes	Compressor + sapphire cooling
15.6" Android touch interface	

SPOT OPTIONS

Ø8mm Small-area precision work	5 × 5mm Detail and contour work
10 × 10mm Balanced coverage	12 × 20mm Efficient larger areas
20 × 40mm Maximum treatment coverage	

CAPABILITY DETAIL

Two operating modes

The platform provides an intelligent mode that captures a skin sample, produces an analysis report and proposes recommended parameters, and a manual mode for operators who prefer to configure parameters themselves. The system does not diagnose medical conditions; clinical decisions remain with the treating professional.

Three manual profiles

Manual operation offers HR Preset (parameters matched to the previously configured state), HR Professional (fully operator-defined parameters) and a skin rejuvenation profile with six skin-type presets. Equipment capability is described here; permitted indications are determined by regulatory approvals and operator qualifications in the relevant jurisdiction.

Third-generation handpiece

A quick-release handpiece accepts five treatment heads with different spot sizes for different body areas. Magnetic seating aligns the spot head to the handpiece, and surface temperature of the handpiece is monitored in real time during operation.

Optical assembly

A sapphire contact crystal provides light and cold conduction at the skin interface, a collimator lens reduces beam divergence for more uniform energy delivery, and 360° Peltier cooling provides annular cooling around the treatment window.

Compressor cooling

Compressor refrigeration is rated for continuous operation, engaging at approximately 22°C and stopping at approximately 19°C (both adjustable) to hold the laser near its 20°C operating range. Stable operating temperature supports consistent energy output and laser service life.

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.

Automatic spot recognition: Awaiting written confirmation of this function for the supplied configuration.

Clinical outcome figures: Manufacturer efficacy percentages are not published. Outcome claims require evidence review for the exact device and configuration supplied in Australia.

ENQUIRIES

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