Factory Smart

HANDHELD LASER CLEANING DEVICES

200 | 300 | 500

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Unit B1B Isando Bussiness Park, C/O Hulley and Gewel Str. Kempton Park, 1619

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WHICH ONE IS RIGHT FOR YOU?

200

300

500

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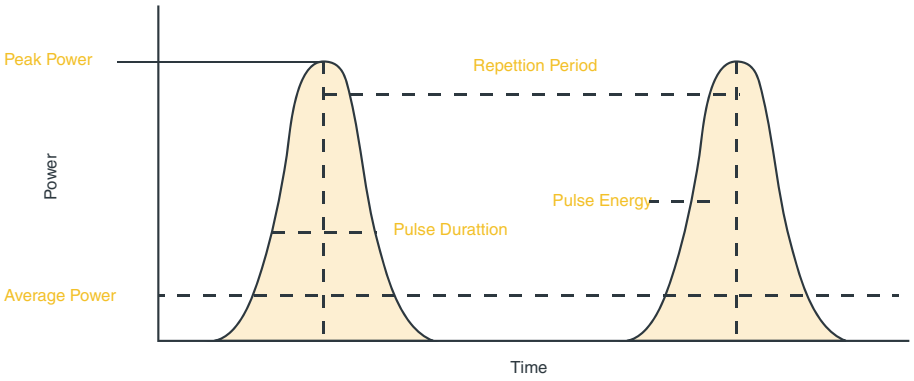
ONE SERIES. THREE POWER LEVELS.

Whether you require precision cleaning or heavy-duty rust removal, the machine Series offers scalable performance to match your application.

Model	200	300	500
Best For	Light precision	Medium-duty	Heavy-duty
Cooling	Air-Cooled	Air-cooled	Air-cooled
Power Optics	2D Scanner	2D Scanner	2D high-speed Scanner
Weight	25 kg	50 kg	56 kg
	Compact precision cleaning	Balanced industrial versatility	Maximum performance output



THE FUTURE OF INDUSTRIAL SURFACE CLEANING

Laser cleaning is redefining how industries approach rust removal, weld seam preparation, and surface restoration. The machine delivers high-precision, non-contact cleaning with zero abrasives and no chemical waste.

NON-CONTACT PROCESS

NO CHEMICALS

MINIMAL HEAT IMPACT

PRECISE, CONTROLLABLE CLEANING

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THE 200

COMPACT. PRECISE. EFFICIENT.

The 200 is ideal for gentle surface cleaning and weld seam preparation. Its compact air-cooled design makes it highly portable and easy to integrate into smaller production environments.

Product Description:

The 200 is ideal for gentle surface cleaning of various materials. It is especially designed for: Rust removal, cleaning of weld seams The unit is very easy to handle and compact, thanks to its air-cooling system.

Technical Specifications:

Laser Source:	Pulsed nanosecond laser (MaxPhotonics)
Power: Optics:	2D Scanner
Cooling:	Air Cooled
Application:	Cleaning of weld seams & small components
Materials:	All metallic materials
User Interface:	Touchscreen
Dimensions:	610 x 265 x 878 mm
Weight:	25 kg

This is a Class 4 laser. Appropriate protective equipment is mandatory. During operation, prescribed laser safety measures must be strictly followed, as laser radiation can cause irreversible damage to people and the environment if safety rules are ignored.

How It Works:

Surface contaminants are removed using very short laser pulses in the nanosecond range. By concentrating energy into an extremely short time span, a very high power peak is generated without continuous heat input. This allows dirt to be removed effectively without damaging or removing the underlying material. The 2D scanner enables different cleaning patterns, making the 200 suitable for various workpiece geometries.

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THE 500

POWERFUL. INDUSTRIAL. HIGH-PERFORMANCE.

With 500W output and a high-speed 2D scanner, the Nano 500 is built for demanding industrial environments requiring efficient rust and paint removal.

Product Description:

The 500 is ideally specialized for the gentle surface cleaning of various materials. The removal of rust and the cleaning of weld seams are the key strengths of the 500. The system is very easy to handle and, thanks to its air-cooling system, pleasantly compact.

Technical Specifications:

Laser Source:	Air-cooled 500 W pulsed nanosecond laser
Power: Optics:	2D high-speed scanner, max. 116 mm deflection
Power Supply:	230V 2kW
Application:	Cleaning of weld seams & small components
Materials:	Removal of rust and paint from various materials All metallic materials
User Interface:	Touchscreen, safety interface, distance sensor
Dimensions:	770 x 428.5 x 656 mm
Weight:	56 kg

This is a Class 4 laser. Appropriate protective equipment is mandatory. During operation, prescribed laser safety measures must be strictly followed, as laser radiation can cause irreversible damage to people and the environment if safety rules are ignored.

How It Works:

During laser cleaning, surface contaminants are removed by very short laser pulses in the nanosecond range. By concentrating the energy into such a short time span, an extremely high peak power is generated without continuous heat input. This allows contamination to be removed effectively without damaging or removing the underlying material. By using a 2D scanner, the 500 can generate different cleaning patterns and is therefore suitable for a wide range of workpiece geometries.

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THE 300

VERSATILE. BALANCED. RELIABLE.

The 300 delivers increased performance while maintaining a compact footprint. Designed for broader industrial use, it offers enhanced flexibility for mid-range cleaning requirements.

Product Description:

The 300 specialises in the gentle surface cleaning of various metallic materials. Its key strengths are rust removal and the cleaning of weld seams. The system is highly user-friendly and, thanks to its air-cooling design, remains compact and easy to handle

Technical Specifications:

Laser Source:	Pulsed nanosecond laser (MaxPhotonics)
Power: Optics:	2D Scanner
Cooling:	Air Cooled
Application:	Cleaning of weld seams & small components
Materials:	All metallic materials
User Interface:	Touchscreen
Dimensions:	630 x 370 x 540 mm
Weight:	50 kg

This is a Class 4 laser. Appropriate protective equipment is mandatory. During operation, prescribed laser safety measures must be strictly followed, as laser radiation can cause irreversible damage to people and the environment if safety rules are ignored.

How It Works:

During laser cleaning, surface contaminants are removed by very short laser pulses in the nanosecond range. By concentrating the energy into such a short time span, an extremely high peak power is generated without continuous heat input. This allows contamination to be removed effectively without damaging or removing the underlying material. By using a 2D scanner, the 300 can generate different cleaning patterns and is therefore suitable for a wide range of workpiece geometries.

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