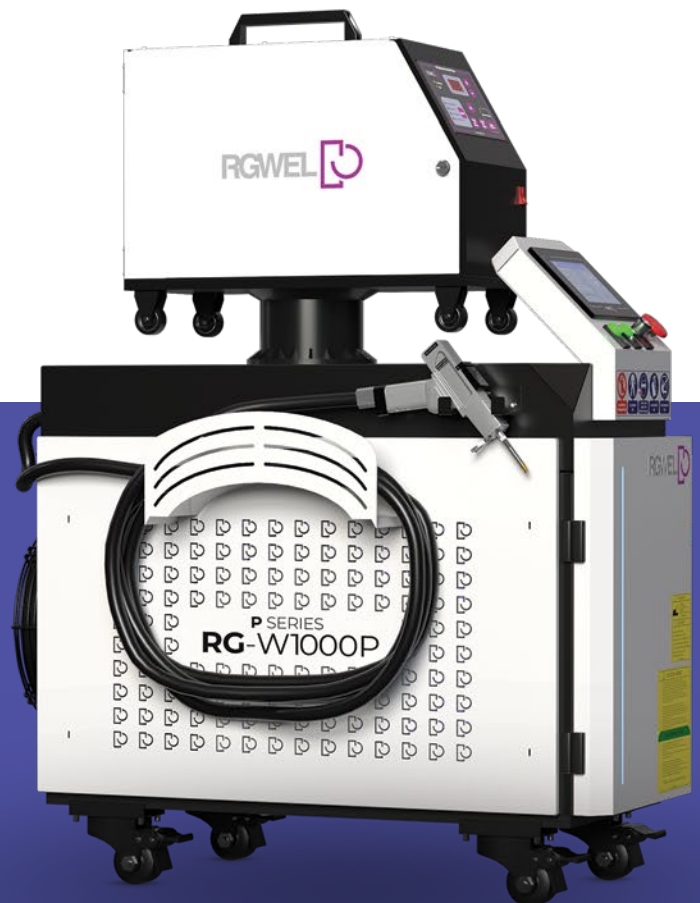




Sensitive and Clean
Welding Technology

PERFECT JOINT



Laser Welding and Cutting Technology

www.rgwel.com

Stainless Steel,
Aluminium and Brass Welding
With Only Just One Machine



RGWEL
Akıllı Lazer Teknolojileri

LAZER
TEKNOLOJİ

Why P Series Fiber Laser Welding?

PERFECT ENGINEERING

Thanks to our developed system, lost energy recovers to power and provides max. efficiency, stable running and long service life.

1

Basic Usage

Professional know-how is not necessary, user friendly.

2

High Welding Efficiency

Up to 8 times faster than conventional welding methods.

3

Minimum Consumable Consumption

Up to 60% less consumable consumption compared with other welding methods

4

Perfect Welding Penetration

Provides 100% penetration without damaging even the thinnest metals.

5

High Energy Efficiency

Laser photoelectric transformation provides 30% less energy consumption

6

Easy and Flexible Usage

Mobile design provides easy and flexible usage

7

Unleveled Welding

Thanks to continuous welding mode levelling is not needed

8

3in1' Welding, Cutting, Cleaning

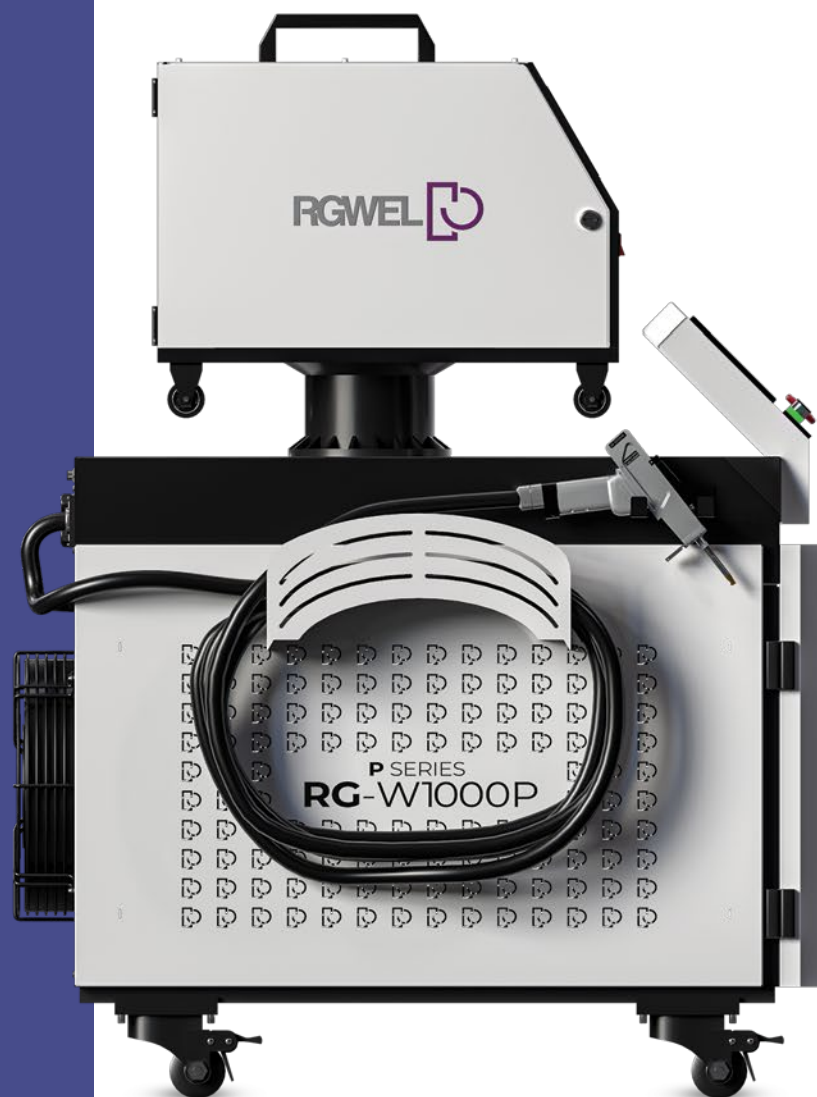
No chemical and solution required for cleaning





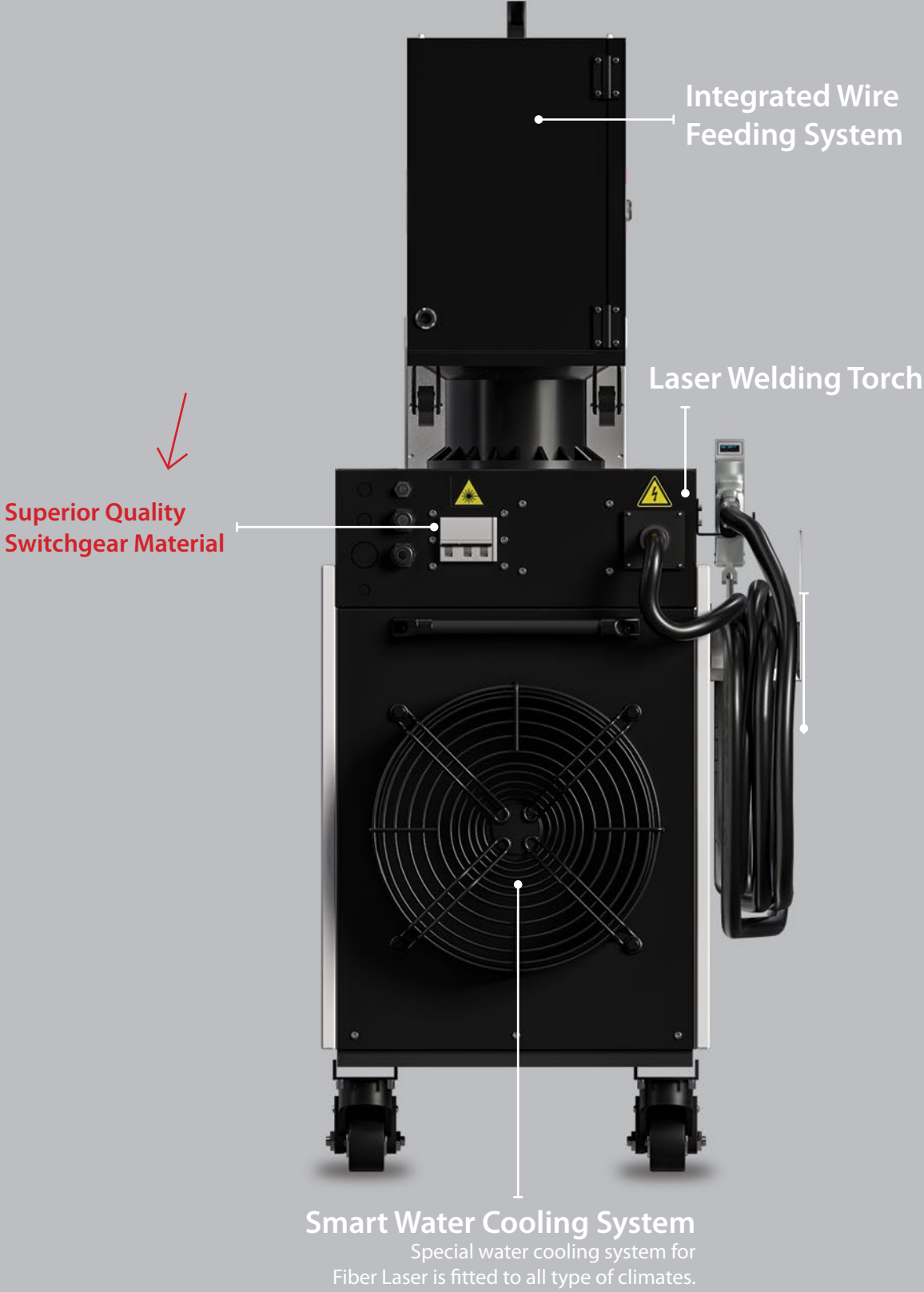
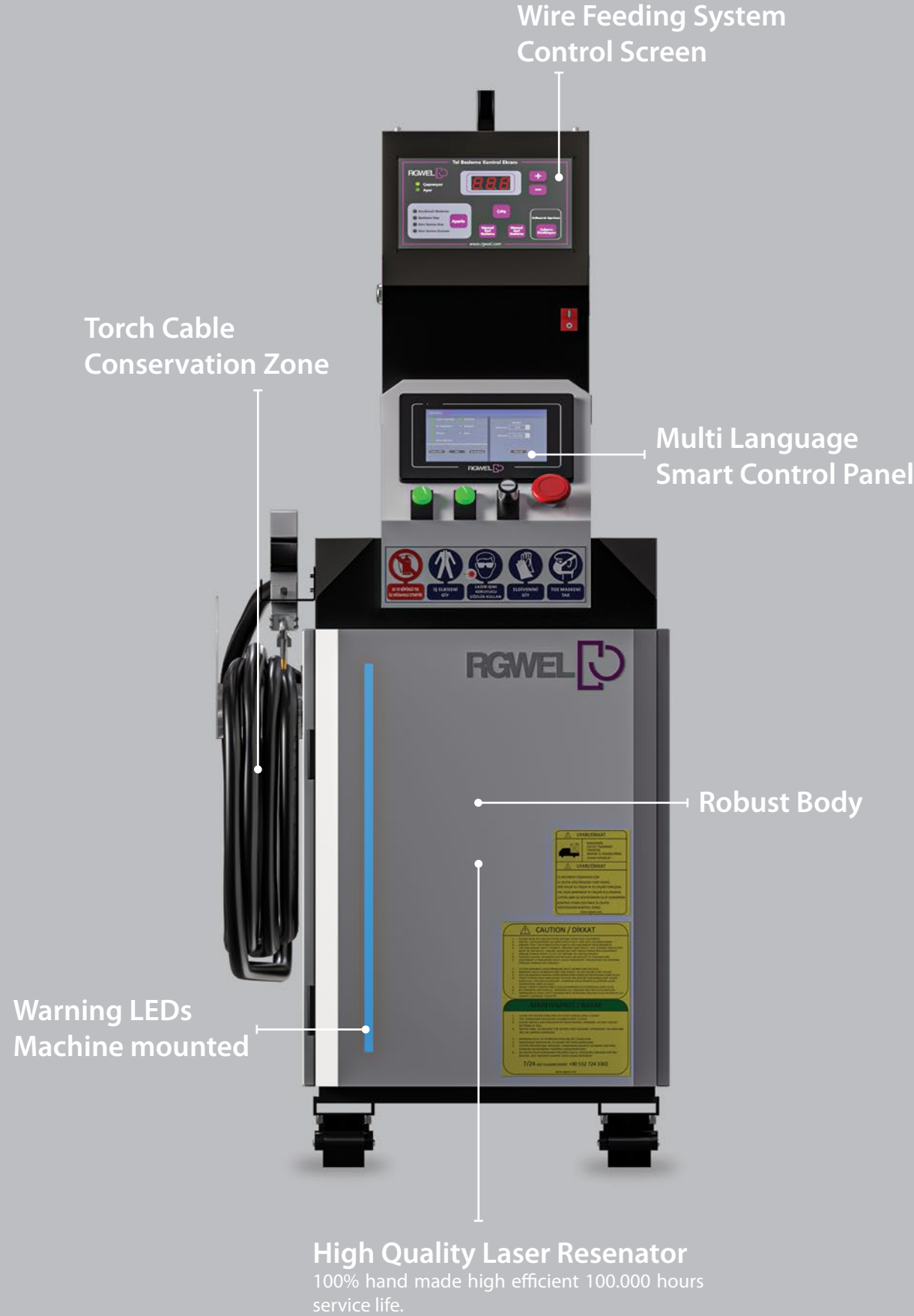
Laser Welding Differences Compare with Conventional Welding Methods

130 cm



100 cm

FUNCTION	RGWEL WELDING	OTHER WELDING METHODS
Metal Applied Temperature	Low	Ultrahigh
Metal Deformation %	%5	%90
Welding Tensile Strength	High	Low
Levelling Workmanship	None	Levelling, Polishing
Welding Speed	90% Faster	%10
Usage Difficulty	Easy And No Skill Required	Complex & Skill Basis
Consumption Costs	Low	High
Operator Safety	High	Low
Welding Width	Adjustable 0.8mm To 5mm	Fixed
Wire Feeding	Available Feeding Or Unfeeding	Fixed
Welding Penetration	Adjustable 0mm To 10mm	Fixed
Energy Consumption	Low	High
Environmentally Friendly	High	None
Long Service Life	High	Low





SMART CONTROL SYSTEM

- 7 Different Welding Modes
- Simplified Welding Interface
- Multi Language Panel
- Different Recipe Available
- Ramp up & Ramp Down Laser
- Adjustable Frequency Spot Weld Mode
- Detailed Troubleshoot Screen
- LED Warning System
- Up to 5mm laser width
- Adjustable Laser
- Cutting Mode
- Cleaning Mode
- Safe Stop Troubleshoot Switching off
- Improved PILZ Safety System
- Robust Industrial Type Screen
- 0-30Hz Frequency Range
- Adjustable Gas Start Stop



MINIMALIST
DESIGN

MOBILE

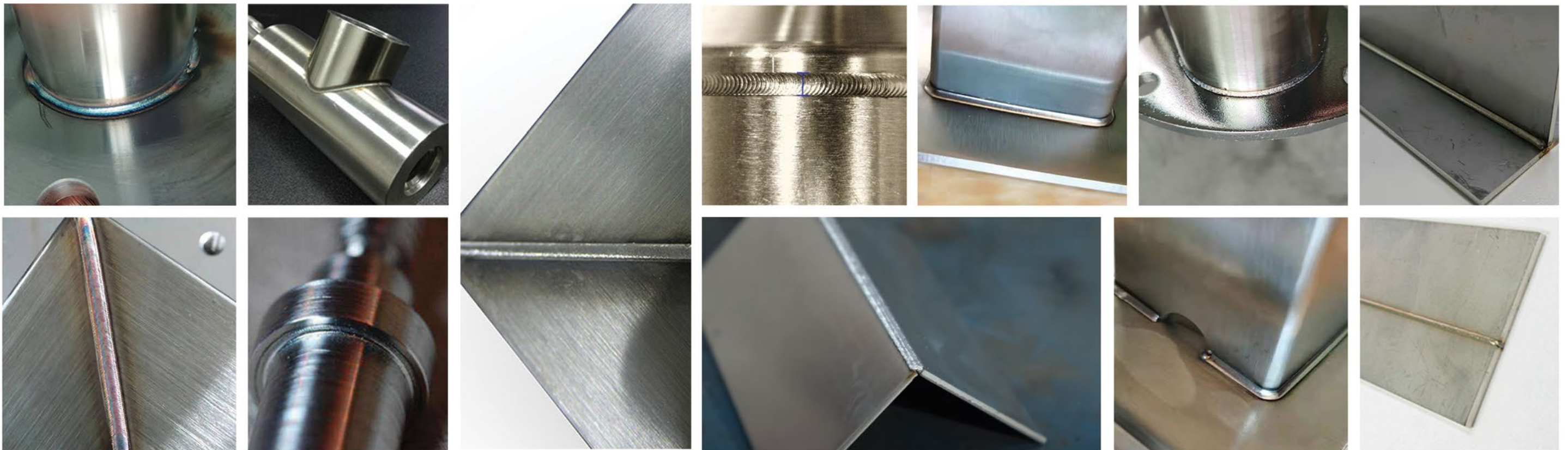
ENVIRONMENTALLY
FRIENDLY

APPLICATION

EXAMPLES

MOST USE SECTORS

- Industrial Kitchens
- Aluminium & Metals
- Furniture Shell and Scaffolding Manufacturing
- Machine Manufacturing
- Stair Manufacturing
- Railing and Window Manufacturing
- Advertising Sector



RG-W1000P

On Site Delivery,
commissioning
and education



TECHNICAL PARAMETERS

Machine Type	Hand Hold
Laser Power	1000W/1kW
Laser Welding Type	Fiber
Point Size	0.2-5mm
Welding Penetration	5mm
Laser Wave Size	1080nm
Impact Width	≤10ms
Max Using Energy	6kW
Cooling Type	Water Cooling (Integrated)
Fiber Cable Length	8mt
Wire Feeding System	Internal
Transformer System	Internal
Cleaning Feature	Max. 5mm
Cutting Feature	Max. 3mm
Warranty	2 Years

WELDING PARAMETERS

WELDING TYPE	IRON & STEEL	STAINLESS STEEL	ALUMINIUM	COPPER AND BRASS
Wireless	5 mm	4 mm	2 mm	1 mm
With Wire Feeding	8 mm	6 mm	3 mm	1,5 mm
Cutting	4 mm	2 mm	1 mm	0,5 mm

RG-W1000P

RG-W1500P

On Site Delivery,
commissioning
and education



TECHNICAL PARAMETERS

Machine Type	Hand Hold
Laser Power	1500W/1,5kW
Laser Welding Type	Fiber
Point Size	0.2-5mm
Welding Penetration	7mm
Laser Wave Size	1080nm
Impact Width	≤10ms
Max Using Energy	8kW
Cooling Type	Water Cooling (Integrated)
Fiber Cable Length	8mt
Wire Feeding System	Internal
Transformer System	Internal
Cleaning Feature	Max. 5mm
Cutting Feature	Max. 6mm
Warranty	2 Years

KAYNAK PARAMETRELERİ

WELDING TYPE	IRON & STEEL	STAINLESS STEEL	ALUMINIUM	COPPER AND BRASS
Wireless	7 mm	6 mm	2 mm	2 mm
With Wire Feeding	10 mm	8 mm	4 mm	2 mm
Cutting	6 mm	4 mm	2 mm	1 mm

RG-W1500P

RG-W2000P

On Site Delivery,
commissioning
and education



TECHNICAL PARAMETERS

Machine Type	Hand Hold
Laser Power	2000W/2kW
Laser Welding Type	Fiber
Point Size	0.2-5mm
Welding Penetration	10mm
Laser Wave Size	1080nm
Impact Width	≤10ms
Max Using Energy	10kW
Cooling Type	Water Cooling (Integrated)
Fiber Cable Length	8mt
Wire Feeding System	Internal
Transformer System	DahInternalili
Cleaning Feature	Max. 5mm
Cutting Feature	Max. 8mm
Warranty	2 Years

WELDING PARAMETERS

WELDING TYPE	IRON & STEEL	STAINLESS STEEL	ALUMINIUM	COPPER AND BRASS
Wireless	10 mm	8 mm	2 mm	3 mm
With Wire Feeding	14 mm	10 mm	6 mm	3,5 mm
Cutting	8 mm	5 mm	3 mm	1,5 mm



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