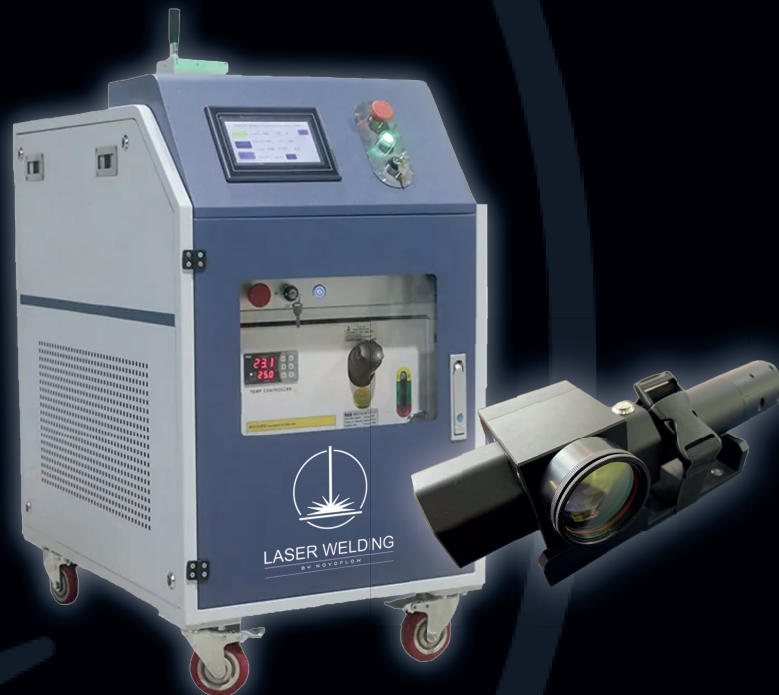




LASER WELDING

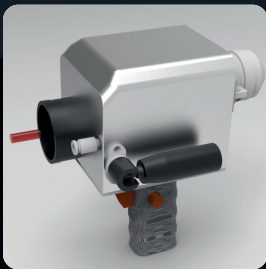
BY NOVOFLOW

HAND-HELD LASER CLEANING DEVICE



Experience the future of cleaning technology.

- thorough cleaning without chemicals
- precise cleaning in hard-to-reach places
- versatile use for different materials
- time- and cost-efficient
- environmentally friendly cleaning solution
- easy to use for professionals and non-experts
- durability and reliable performance



500 watt pulse cleaner



rust removal



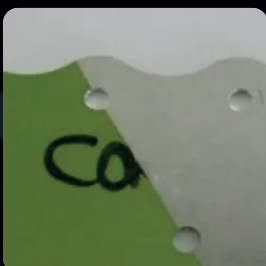
100 - 300 watt pulse cleaner



rust removal



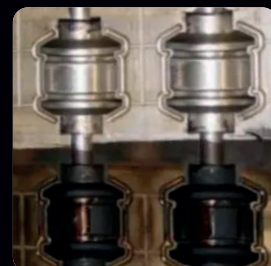
rust removal



color removal



oxide removal



oil removal

Maximum cleaning performance in the palm of your hand!

cleaning performance

type	pulse laser (single or multi mode)								continuous laser (CW)		
	model	NF-LC-S 100	NF-LC-S 200	NF-LC-M 200	NF-LC-S 300	NF-LC-M 300	NF-LC-MW 300	NF-LC-S 500	NF-LC-M 500	NF-LC-CW 1500	NF-LC-CW 2000
laser power	100 W	200 W	200 W	300 W	300 W	300 W	500 W	500 W	1500 W	2000 W	3000 W
spot mode	single	single	multi	single	multi air-cooled	multi water-cooled	single	multi	continuous	continuous	continuous
max. single pulse energy MJ	1.5	1.5	5	1.5	5	12.5	1.5	15	CW	CW	CW
working distance / scan width	working distance 185 - 438 mm / scan width 105 - 200 mm								scan width 5 - 300 mm		
20 µm flash rust (m ² /h)	3,6	7,2	8,6	9,4	11,2	11,2	13	13,9	18	24	36
20 µm oil pollution (m ² /h)	4,3	8,6	10,3	11	12,3	12,3	14,3	15,3	24	32	48
20 µm colour / lacquer (m ² /h)	2,7	4,8	5,3	6,8	8,6	8,6	10,1	10,5	13,5	18	27
5 µm galvanised sheet (m ² /h)	3,2	6,4	7,5	8,9	9,4	9,4	10,8	11,9	12	17	25
floor or wall surfaces (m ² /h)	3,6	6,8	7,2	8,2	9	9	12	16,2	18	24	36
car paint (m ² /h)	0,4	0,9	1	1,2	1,5	1,5	2	2,2	X	X	X
aluminium oxide layer (m ² /h)	1,8	3,6	4,5	5,2	---	---	7	---	---	---	---
hot rolled steel oxide layer (m ² /h)	0,2	0,45	---	0,6	---	---	1,1	---	O	O	O
voltage	230 V / 50 Hz										380 V / 50 Hz
connected load	0,5 kW	1 kW	1 kW	1,5 kW	1,5 kW	2 kW	3 kW	3 kW	7 kW	9 kW	13 kW
dimension cm (L x W x H)	52 x 24 x 42	75 x 25 x 63	75 x 25 x 63	97 x 36 x 90	75 x 25 x 63	92 x 58 x 88	92 x 58 x 88	92 x 58 x 88	95 x 54 x 93	95 x 54 x 93	122 x 61 x 124
weight kg	29	54	54	54	54	177	177	177	153	160	188

The above data was measured in the laboratory under automatic conditions as a reference.

The heat generated by the continuous wave (CW) laser is significantly higher and appears grey after cleaning, which is different from the cleaning effect of the pulse cleaner.

X = leads to destruction of the component --- = not very efficient, O = low effect, technical modifications reserved

field mirror model	F160	F210	F254	F330	F420
working distance mm	185	240	285	345	438
scan width mm	105	130	150	175	200

cleaning examples



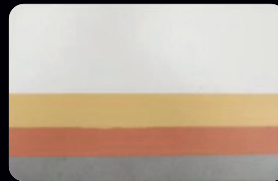
tire mold cleaning



cleaning of inner tire layers



removal of release agents



removal of paint layers



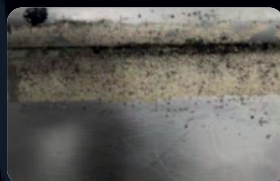
removal of mold deposits



vehicle paint cleaning



cleaning of welding seams



cleaning food containers



closure cleaning



removal of oxidation layers

areas of application

- aerospace
- rail
- transit
- automotive
- manufacturing
- maritime
- electronics
- microprocessing
- food processing
- stainless steel
- aluminum
- alloy products
- mold processing and much more

Contact us now and benefit from our unbeatable advantages!



LASER WELDING

BY NOVOFLOW



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