

240Hz 918^{mk2} IR

BIG INSIDE AND FAST

INPUT

Power supply	[50Hz Three-phases+N+GND]	400V a.c.
Pneumatic power (min.)	[bar]	5
Max power required (peak load)	[kW]	27

OUTPUT

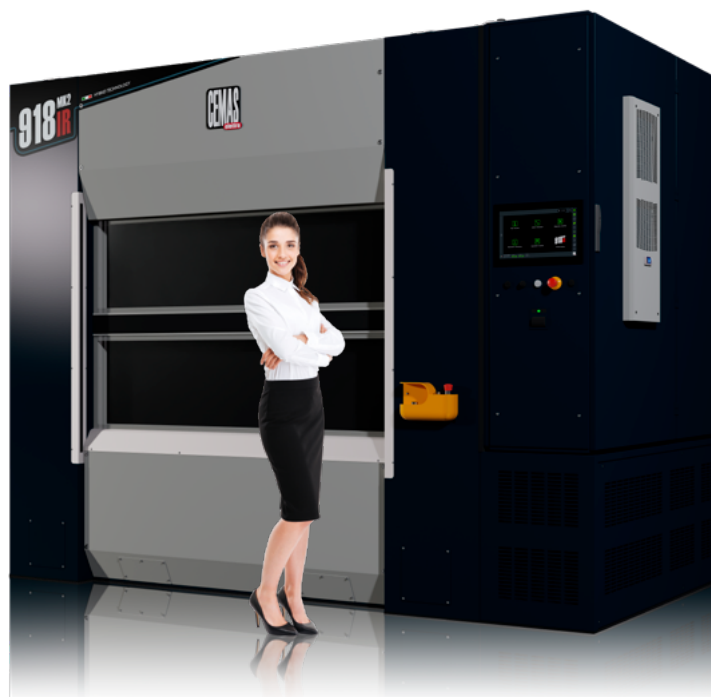
Upper tool weight (up to)	[up to kg]	120
Generator power	[kW]	18
Vibration frequency	[Hz]	220-245
Vibration amplitude	[mm]	0,4-1,8
PP equivalent welding area	[cm ²]	500

Size of the area detected in the test environment

MECHANICAL DATA

Vibration plate dimensions	[mm]	1400×560
Lifting table stroke	[mm]	780
Lifting table maximum speed	[mm/s]	500
Clamp net force (Gross)	[kN]	25 (29,5)
Lifting table dimensions	[mm]	1810×600
Lifting table height	[mm]	780
Front-door span	[mm]	1770×1052,5
Upper door threshold	[mm]	1800
Clearance between planes	[mm]	1020
Overall dimensions	[W×D×H mm]	3230×2320×2665
Total weight	[kg]	8000
Hydraulic oil	[Lt/ISO32]	-

Machine Type



CONTROL

PLC Control	Siemens S7 - technological open controller
HMI	PC panel 12"
Vibration frequency tuning ²	Continuous REALTIME
Welding steps	[pressure, amplitude] 8
Welding depth sensitivity	[mm] 0,01
Work settings memory	63 automatic equipment
Type of communication	Profinet/Profibus

The digital generator ensures very short swing on/off vibration phases (50ms)

REFERENCES

Work outcome definition	Automatic (good/reject)
Work outcome printer	Custom Plus
Vacuum circuit	2 (opt. up to 3)
Pneumatic valves movements	10
Remote-assistance	Optional
Automatic rear door (for rear loading/unloading)	-
Noise level	[dBA EN ISO 11202] ≤ 80

Peak values can be higher for short periods depending on the application.

¹ Hybrid technology obtained from the use of vibration and infrared welding.

² Thanks to our third-generation controller we have been able to eliminate the necessity of the auto-tuning cycle: the machine can adapt to the vibration frequency in real-time following the mechanical reactions of the vibrating system. Therefore, the outcome is a neater and more efficient vibration than the one obtained employing second-generation old systems.

The machine can be customized with some standard options, contact us for a personalized offer.

MORE INFO



