

240Hz

912 IR

BORN HYBRID


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]	75
Generator power	[kW]	18
Vibration frequency	[Hz]	220-240
Vibration amplitude	[mm]	0,4-1,8
PP equivalent welding area	[cm²]	400
<i>Size of the area detected in the test environment</i>		

MECHANICAL DATA

Vibration plate dimensions	[mm]	945×540
Lifting table stroke	[mm]	500
Lifting table maximum speed	[mm/s]	500
Clamp net force (Gross)	[kN]	21 (26)
Lifting table dimensions	[mm]	1440×750
Lifting table height	[mm]	1000
Front-door span	[mm]	1400×750
Upper door threshold	[mm]	1720
Clearance between planes	[mm]	700
Overall dimensions	[W×D×H mm]	3450×1830×2350
Total weight	[kg]	6200
Hydraulic oil	[Lt/ISO32]	-
Machine Type		

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.



CONTROL

PLC Control	Siemens S7 - CPU
HMI	Touch 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
<i>The digital generator ensures very short swing on/off vibration phases (50ms)</i>	

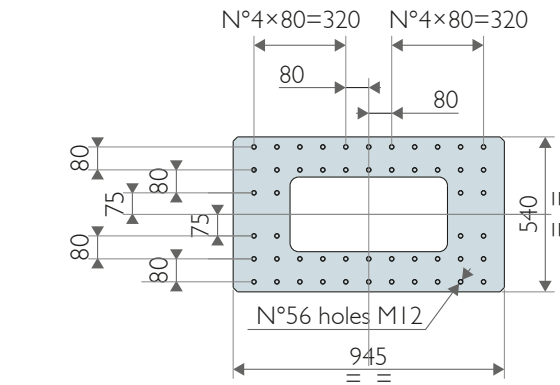
REFERENCES

Work outcome definition	Automatic (good/reject)
Work outcome printer	Custom Plus
Vacuum circuit	2 (opt. up to 3)
Pneumatic valves movements	5
Remote-assistance	Optional
Automatic rear door (for rear loading/unloading)	Standard
Noise level	[dBA EN ISO 11202] ≤ 80
<i>Peak values can be higher for short periods depending on the application.</i>	

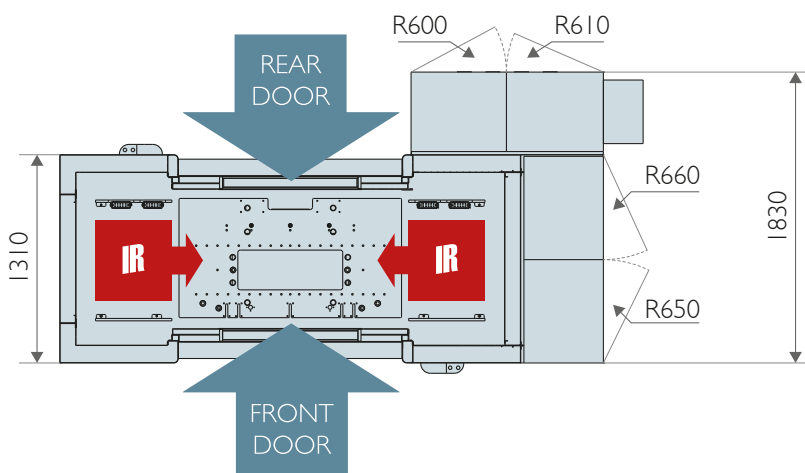
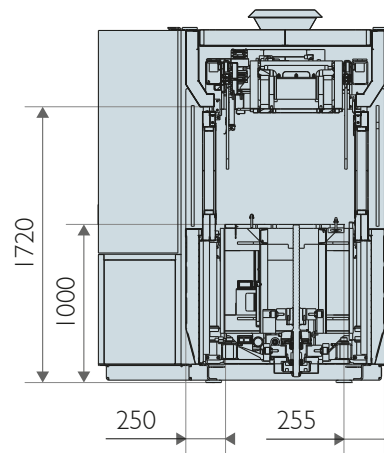
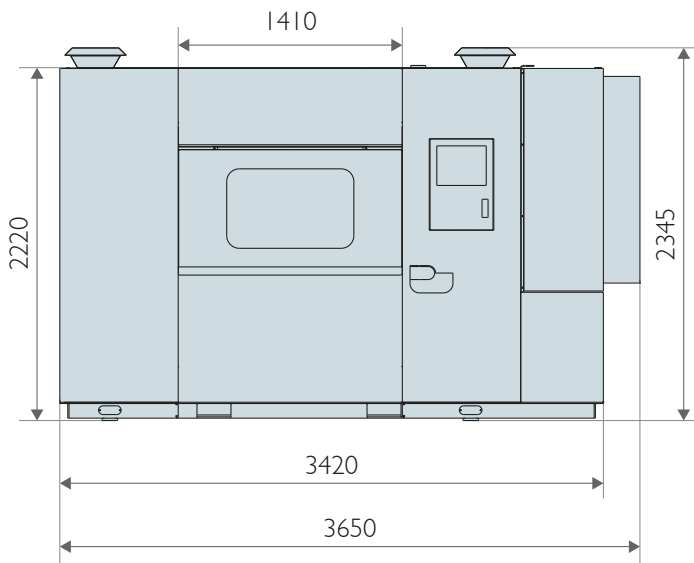
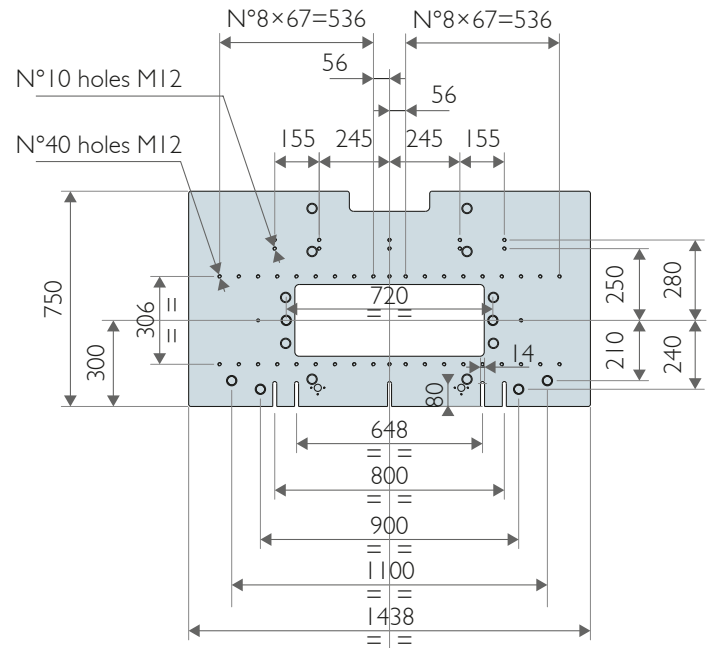
MORE INFO



UPPER PLATE



LOWER PLATE



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