120Hz

950 ST

COST-EFFECTIVE AND SOLID

INPUT

Power supply	**[50HzThree-phases+N+GND]**	400V a.c.
Pneumatic power (min.)	**[bar]**	5
Max power required (peak load)	**[kW]**	35

OUTPUT

Upper tool weight (up to)	**[up to kg]**	150
Generator power	**[kW]**	30
Vibration frequency	**[Hz]**	100-120
Vibration amplitude	**[mm]**	up to 4
PP equivalent welding area	**[cm²]**	650

Size of the area detected in the test environment

MECHANICAL DATA

Vibration plate dimensions	**[mm]**	1100x580
Lifting table stroke	**[mm]**	800
Lifting table maximum speed	**[mm/s]**	250
Clamp net force (Gross)	**[kN]**	38 (43)
Lifting table dimensions	**[mm]**	1600x700
Lifting table height	**[mm]**	665
Front-door span	**[mm]**	1650x1160
Upper door threshold	**[mm]**	1900
Clearance between planes	**[mm]**	1100-1500 (adjustable)
Overall dimensions	**[W×D×H mm]**	3200x1800x2800
Total weight	**[kg]**	8500
Hydraulic oil	**[Lt/ISO32]**	200
Machine Type		HYDRAULIC[1]

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

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		1 (opt. up to 3)
Pneumatic valves movements		2 (opt. up to 5)
Remote-assistance		Optional
Automatic rear door (for rear loading/unloading)		Optional
Electrical sliding table		Optional
Noise level	**[dBA EN ISO 11202]**	≤ 80

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

MORE INFO

[1] *Mobile table movement performed with hydraulic control unit in a dedicated area.*

[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.

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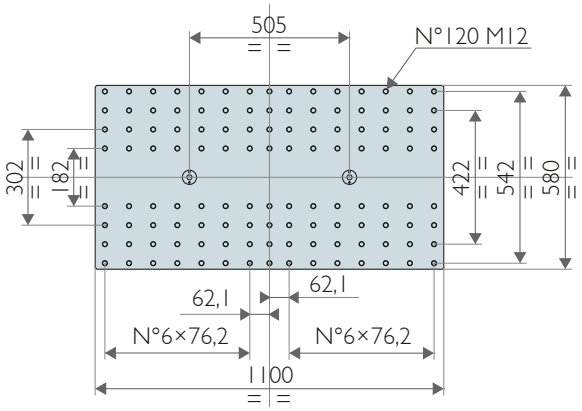
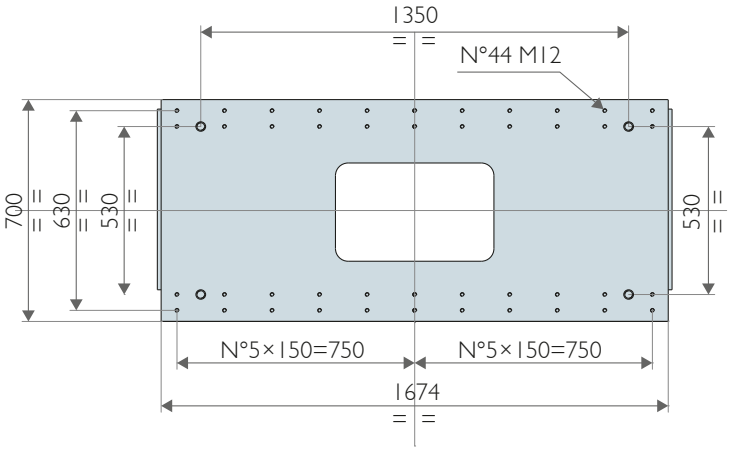
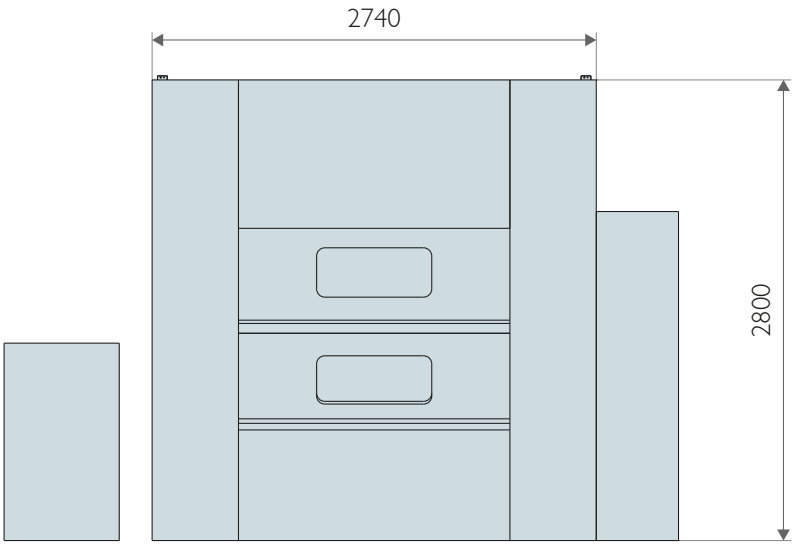
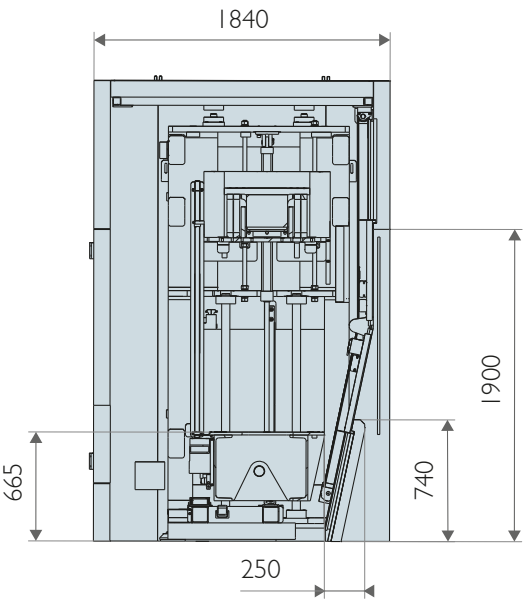
UPPER PLATE

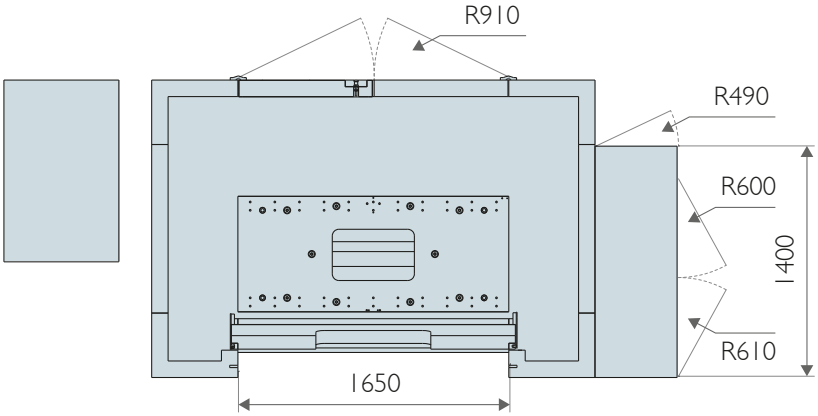


LOWER PLATE









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