

901

VIBRATION WELDER

INPUT

Power supply	c.a. 400V 50Hz Three-phase-N-T.
Pneumatic power (min.)	6 bar.
Maximum power required	12 kW.

OUTPUT

Upper laying weight	Up to 50 Kg.
Generator power	14 A.
Vibration frequency	220-240 Hz.
Vibration amplitude	0,4-1,8 mm.
PP equivalent welding area	250 cm ² .

MECHANICAL DATA

Vibration table dimensions	880 mm x 520 mm.
Table stroke	500 mm.
Table maximum speed	250 mm/s.
Maximum thrust	15kN net.
Lifting table dimensions	1020 mm x 540 mm.
Table height	995 mm.
Front-door span	1050 mm x 793,5 mm.
Upper door threshold	1755 mm.
Clearance between planes	700 mm.
Overall dimensions	W 2230 mm x D 1210 mm x H 2170 mm.
Total weight	3100 Kg.
Hydraulic oil	45 Lt. / 13032

CONTROL

PLC Control	Siemens S7-CPU IM151-ET200.
Operating panel	Siemens TP277 10 inch.
Vibration frequency tuning	Continuous REALTIME *
Welding phases	8 (pressure, amplitude).
Welding depth sensitivity	0,01 mm.
Work settings memory	31 automatic equipment + 32 manual.
Type of communication	PROFIBUS/ETHERNET
The digital generator ensures very short swing on/off vibration phases (50ms)	

REFERENCES

Noise level	≤ 80 dB. (din 45635) **
Work outcome definition	automatic (good/reject).
Work outcome printer	CUSTOM PLUS.
Holes on planes compatible with:	Branson M-522H and M-502H.
Work pneumatic movements	up to 8 valves and 2 vacuum circuits.
Tele-assistance	optional.
Rear door	optional.

* 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.

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

GEMAS
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Please visit us at:
Hall 11 / C63

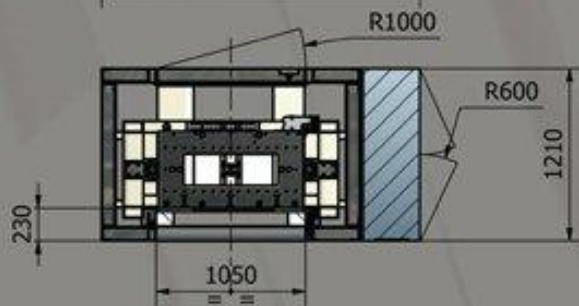
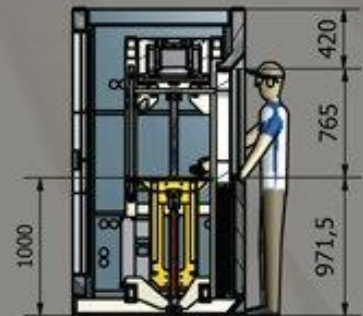
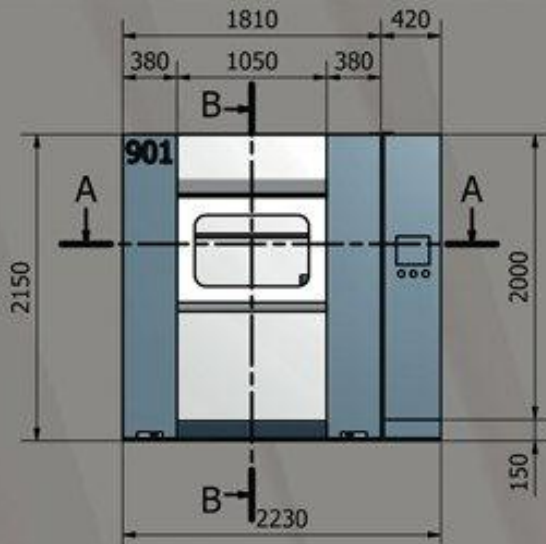




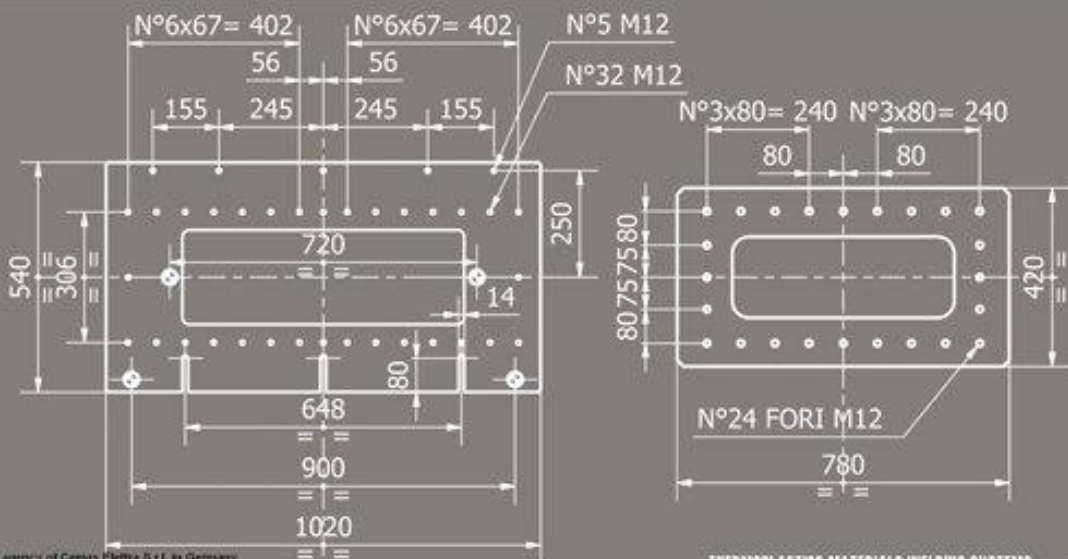
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DIMENSIONS



INTERNAL DIMENSIONS



As general agency of Comas Elettra S.p.A. in Germany



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