

950

VIBRATION WELDER

INPUT

| | |
|------------------------|---------------------------------|
| Power supply (min.) | c.s. 400V 50Hz Three-phase-N-T. |
| Pneumatic power | 6 bar. |
| Maximum power required | 30 kW. |

OUTPUT

| | |
|----------------------------|-----------------------|
| Upper laying weight | 75-150 Kg. |
| Generator power | 27 A. |
| Vibration frequency | 100-120 Hz. |
| Vibration amplitude | up to 4 mm. |
| PP equivalent welding area | 600 cm ² . |

MECHANICAL DATA

| | |
|-------------------------------------|------------------------------------|
| Vibration table dimensions | 1100 mm x 500 mm. |
| Table stroke | 800 mm. |
| Table maximum speed | 250 mm/s. |
| Maximum thrust (Hydraulic movement) | 30 kN net. |
| Lifting table dimensions | 1800 mm x 700 mm. |
| Table height | 665 mm. |
| Front door span | 1850 mm x 1100 mm. |
| Upper door threshold | 1800 mm. |
| Clearance between planes | 1100-1500 mm (adjustable). |
| Overall dimensions | W 3200 mm x D 1800 mm x H 2800 mm. |
| Total weight | 7300 Kg. |
| Hydraulic oil | 180 Lt. / ISO32. |

CONTROL

| | |
|---|-------------------------------------|
| PLC Control | SIEMENS S7-CPU IM151-ET200. |
| Operating panel | SIEMENS TP227 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. |
| The digital generator ensures very short swing on/off vibration phases (50ms) | |

REFERENCES

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|----------------------------------|---|
| Noise level | < 80 dB. (din 45635) ** |
| Work outcome definition | automatic (good/reject). |
| Work outcome printer | CUSTOM PLUS. |
| Holes on planes compatible with: | Branson 2700, 2800, M2800R and M-2813H. |
| 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 faster 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.

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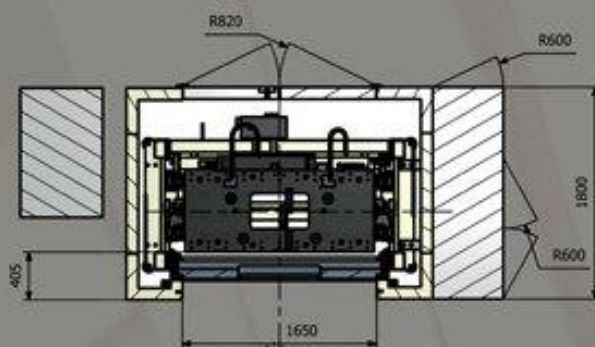
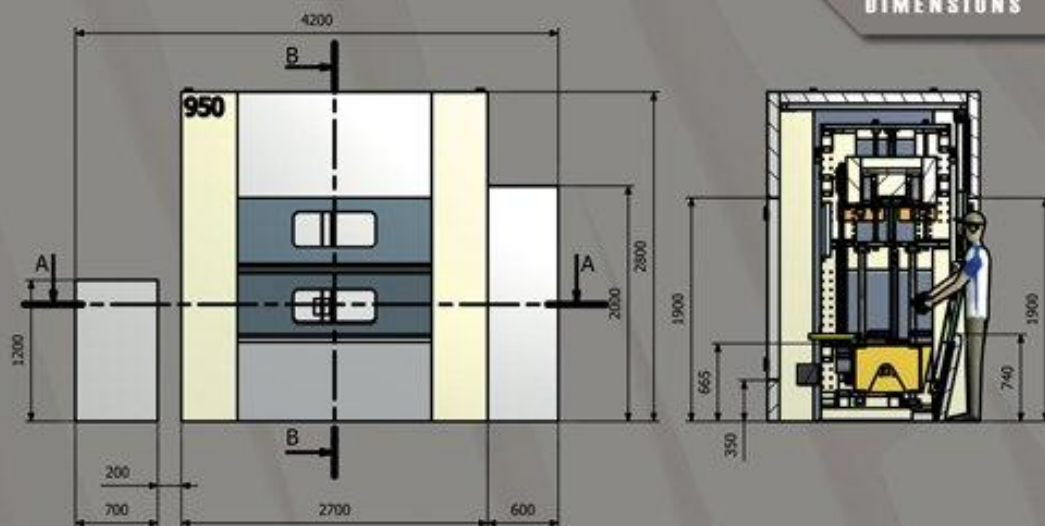




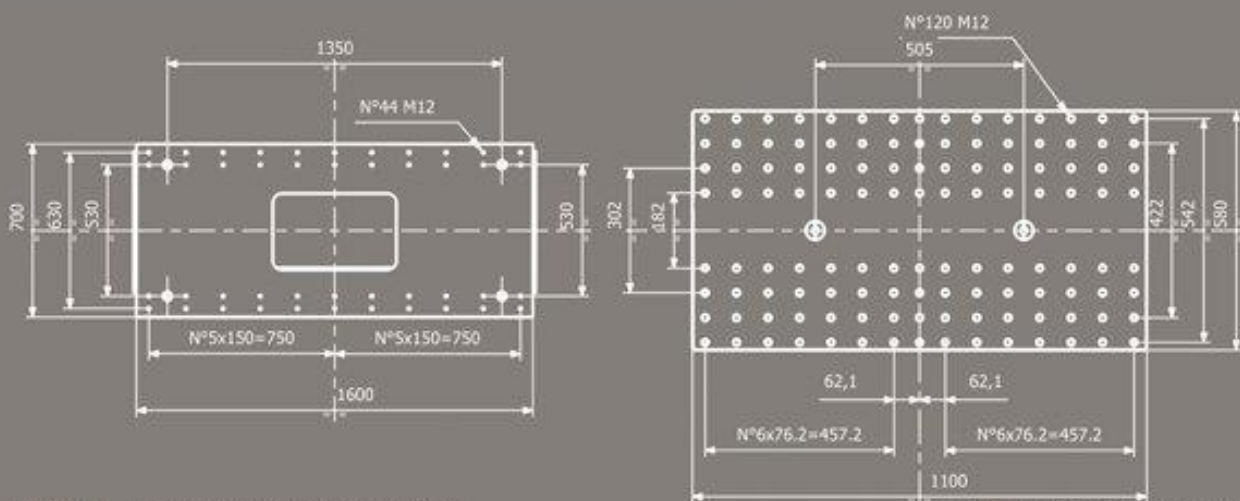
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DIMENSIONS



INTERNAL DIMENSIONS



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COMPANY
 WITH QUALITY MANAGEMENT
 SYSTEM CERTIFIED BY DINV
 ISO 9001:2000



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