

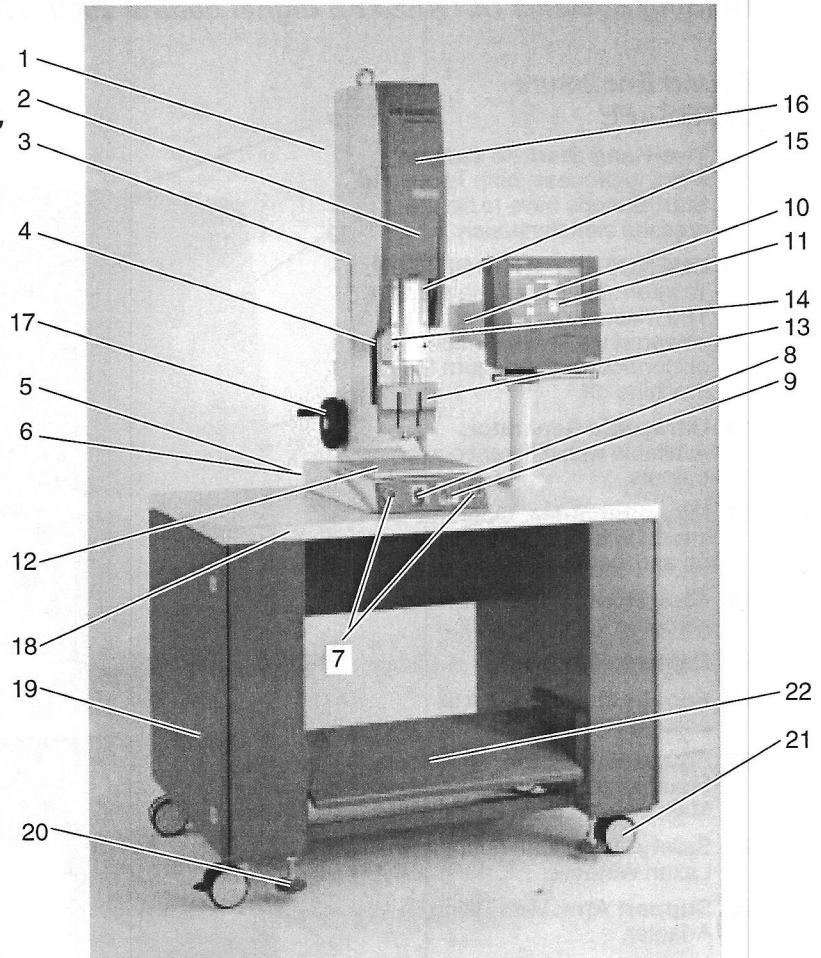
Welding Systems

PS DIALOG digital control 1000

**HS DIALOG digital control 2000,
4000 and 5000**



Note: Some of the items shown are optional accessories.



Welding Systems PS and HS

- 1 Clamping Lever:** On rear of machine.
- 2 Sliding Door:** Access for exchange of converter / booster / horn stack.
- 3 Hydraulic Velocity Control:** Dampening of down stroke (optional).
- 4 Converter Slide:** Including Indexed Quick Change Tooling System. The converter slide provides the up and down motion of the converter / booster / horn stack.
- 5 Main Air Filter / Regulator:** Mounted to the machine column. On machines with workstation table it is mounted to the rear of the table.
- 6 Main Power Supply:** Connector for power supply.
- 7 Two-Hand Start:** To start the welding process, both Two-Hand Start Buttons have to be pressed simultaneously.
- 8 Main Disconnect Switch:** Machine ON / OFF switch.
- 9 EMERGENCY-STOP BUTTON:** To interrupt the welding process. The machine will remain powered up. Use the main disconnect switch to turn the machine off.
- 10 Ultrasonic Generator:** Available with different power outputs.
- 11 Microcomputer:** Operator interface for programming of set-up and welding parameters.
- 12 Ball Pivot supported Fixturing Plate:** For optimal alignment of the fixture (work piece) with the weld horn.
- 13 Converter / Booster / Horn Stack:** For assembly and exchange information, see chapter 2.
- 14 Indexed Quick Change Tooling System.**
- 15 Electronic (RPN) Linear Encoder.**
- 16 Proportional Valve:** For precise force adjustment and control.
- 17 Height Adjustment:** Precise height adjustment via column crank handle.

Workstation Table for PS and HS Weld Presses

- 18 Machine Workstation Table.**
- 19 Tool-Storage:** Lockable with standard key (optional).
- 20 Machine Feet:** For height and leveling adjustment.
- 21 Casters:** (optional).
- 22 Foot Rest:** Height and tilt adjustable (optional).

4.3 General Description

4.3.1 Scope of Functions PS DIALOG digital control

PS DIALOG digital control 1000 = 1000 Watt, 35 kHz

Machine Design (1)

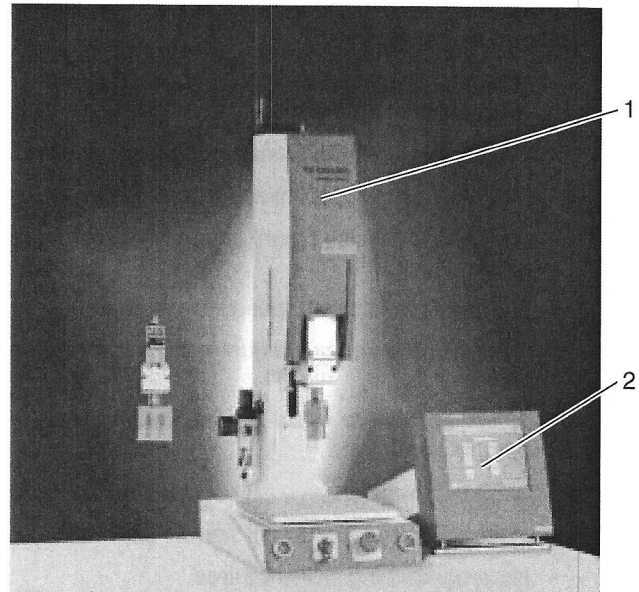
- Maximized weld consistency through torsion resistant cast alloy frame
- Converter Slide with monorail bearing system
- Ball pivot plate for optimized fixture setup
- Simple and precise height adjustment via hand crank
- Electronic weld depth measuring system
- Trigger and weld force adjustment via proportional valve
- Quick disconnect cable for machine / micro-computer interface

Microcomputer DIALOG touch (2)

- No programming skills required.
- Easy operation via colored LCD touch – screen monitor.
- Comprehensive menu guidance provided through graphic user interface.
- Color display of welding graphs.
- All weld process data is recorded online and displayed in a values table.
- Detailed error analysis with plain text display of process and system errors.
- Select from served language for the displays.
- Parts counter

Generator

- DYNAMIC d. c. 1000



Indexed Quick Change Tooling System

- Indexed tooling clamp
- Converter KHS 35 / 1000
- Booster Ti / 35
- Weld horn

Workstation Table

- Accessory

Color

- Front blue RAL 5015, Machine column grey RAL 7035