System POSIWELD CNC Jig welding system for welding 2 or 3 dimensional wire products in a single operation

With the system POSIWELD, Schlatter offers a flexible CNC welding cell for the economical production of wire products in small to medium batch sizes. The rotating turntable design allows a single operator to load/unload the work holding fixture while the machine is operating.
Easy programmable welding machine with teach-in function

Thanks to the enormous flexibility and variability of this machine it can be used in all different kinds of welding applications. Products such as: Point of purchase displays, shopping cart components, 3 dimensional wire baskets and fan guards as well as all types of white goods applications.

Product features

- Fast changeover from one product to another
- Rotating turntable with workpiece fixture inclination device
- Max. welding power up to 20 kA with MF power source
- Hand held operator pendant for programming part in work cell (teach-in)
- Rotational pole plates (C-axes) for welding nonrectangular mesh geometries
- Upper and lower electrodes driven by servo motor allowing shorter weld/cycle times
- PC touch screen control system for CNC axes control and SPS functions. Off line programming by means of a PC is possible

Optional welding gun to weld 3 dimensional products

- Capable of welding a wide variety of materials: Bright basic wire, galvanized wire, stainless steel material as well as reinforcement wire

Technical data

Standard working range:
- X-axis: 2000 mm or 78.7” lengths
- X-axis: 3000 mm or 118.1” (optional)
- Y-axis: 1200 mm or 47.2”
- Z-axis: 188 mm or 7.4”
- W-axis: 260 mm or 10.2”

Standard welding equipment:
- Standard welding press
  - Width: 94 mm or 3.7”
  - Welding force: max. 5 kN
  - Welding current: max. 20 kA

- C-axis welding press
  - Width: 198 mm or 7.8”
  - Welding force: max. 10 kN
  - Welding current: max. 20 kA
  - Rotation angle: 0 - 360 degrees

- 3 dimensional welding gun
  - Welding force: max. 4 kN
  - Welding current: max. 12 kA
  - Rotation angle: 0 - 300 degrees

Power source

- MF technology 1000 Hz

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