



The GFP301000 has been developed to connect enameled wires and cables following the logics of a semiautomatic process combined to easiness of use, flexibility and high production capacity.

It is especially intended for use where the stators' handling is difficult or where dimensions or weight prevent their movement.

The GFP301000 is placed on a trolley that allows its movement close to the stator and it is equipped with a special thermalconnecting head mounted on a two axes assembly.

The thermalconnecting head can easily reach the connection area thanks to excursion of about 700mm on the vertical axis and about 900mm on the horizontal axis and can rotate manually of about 225° on the vertical axis.

The up/down and left/right movement of axes are each motorized and controlled by a joystick while all the other movements are manual.

Besides, it is possible to install the thermalconnecting head in vertical or horizontal position with a lateral tilt of about +/- 15°.

The GFP301000 is designed to use, as a connection support, a tube or flag connector, blocked between the electrodes by an oil dynamic system.

Connection process consists of two operations that happen in sequence: at first current passing through the crimping tools to warm the support and then, besides current, pressure is applied to the crimping tools to vaporize the wires' enamel and compact everything in a single body with high electrical and mechanical features.

All GFP301000 functions are controlled by a panel with display and push buttons, where all connection parameters are set up. Up to 99 different connections programs, linked into 99 cycles, can be repeated in sequential and constant way.

OPTIONALS: Welding Fume Extraction with or without Active Carbon Filter with flexible Arm; Toolings with different Diameters; Back-Up Key; Bar-Code Reader; Software for remote desktop Machine↔PC; License for data storage (CSV file); Software and license for remote assistance.

## Technical Features

Voltage	: 400 V (±5%) 50-60Hz	Max. Power (duty factor)	: 55KVA(100%) 77,78KVA(50%)
Heating Temperature	: ~400°C	Heating Time	: Depends on kind of connection
Arms Closing System	: Oil	Arms closing force	: ~1000 Kg (Cylinder Ø 25)
Programs Set	: 249	Cycle Set	: 249
Range of Connections	: *Total section up to 240mm <sup>2</sup>	Ø Tooling Range	: 6 ÷ 28mm
Temp. Range Working	: +10°C ÷ +40°C	Humidity Range Working	: 0% ÷ 85% without condensation
Dimensions	: (WxDxH) mm 950x1100x1800		
Weight	: 560Kg		
Arms extensions	: 0 ÷ 900mm Horizontal : 0 ÷ 700mm Vertical		

\*Referred to the nominal section of the standard connectors model L-48P for unipolar cable 240mm<sup>2</sup>

IMPORTANT NOTE: Images are for product illustration purposes only. The manufacturer has the right to make changes (or technical improvements) without prior notice obligation.

