

# Control system of the electron-beam welding machine

(jointly with the National Academy of Sciences of Ukraine)

## FIELDS OF APPLICATION:

- Aircraft (welding of airplane components)
- Gas and oil production (drill welding)
- Iron and Steel Industry

## MAIN FEATURES AND BENEFITS:

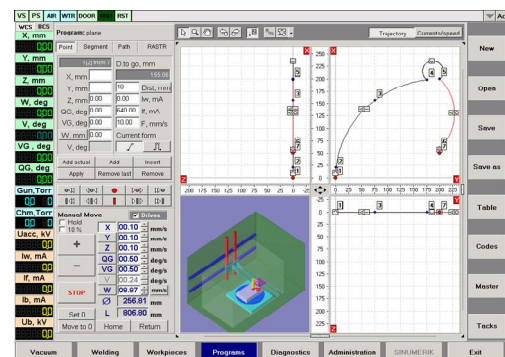
- CNC control on 7 geometrical axis, including simultaneous synchronized control of any 4 axis
- Windows-oriented HMI for graphic creation, configuration and editing of welding programs
- 3D representation of products and trajectories controlled in real time
- automatic learning of trajectories and trajectories joints tracking during welding process
- PLC control of vacuum system and power supply
- diagnosis of all equipment
- management of EBW machine and diagnosis of its work from a remote computer including via the Internet
- import and export of welding programs created with the help of a fully functional off-line program version

## REALIZATION:

Electron-beam welding machine



The operator interface of EBW machine



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