

New: Microlink 603 Electron Beam Welder

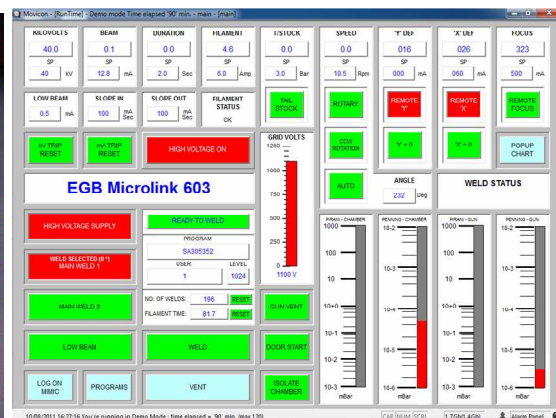
Partners Specnow and EGB Vacuum recently launched a new design small chamber Electron Beam Welder in a series of open days at their factory in Earith, Cambridgeshire, UK. A number of customers and suppliers visited for a demonstration of the latest features and capabilities. The unit has since been delivered to an aerospace instrument manufacturer.



"Microlink 603"

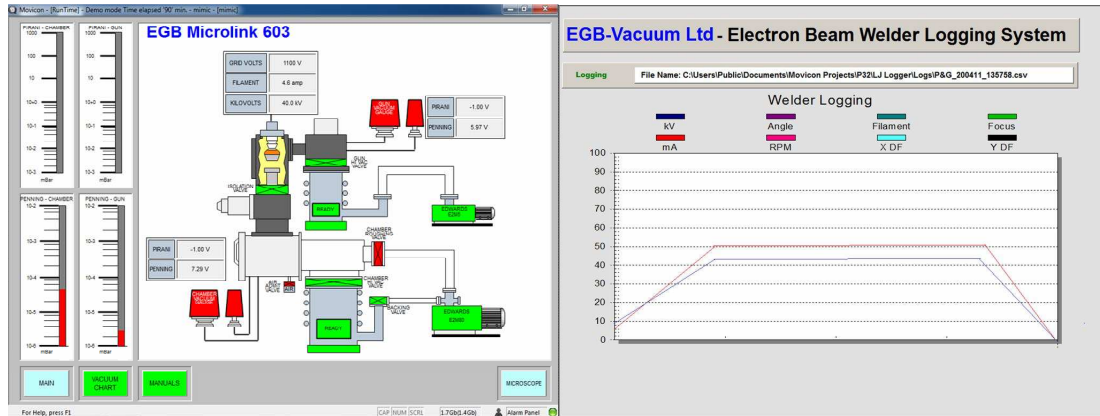
The 60kV, 3kW machine incorporates a number of technical advances and benefits:

- Precise control of weld parameters
- State of the art Switch Mode HV power supply
- Operation deskilled by HMI based on Movicon SCADA software



Switch mode HV system is controlled from the PLC Touch Screen control and programming in Movicon

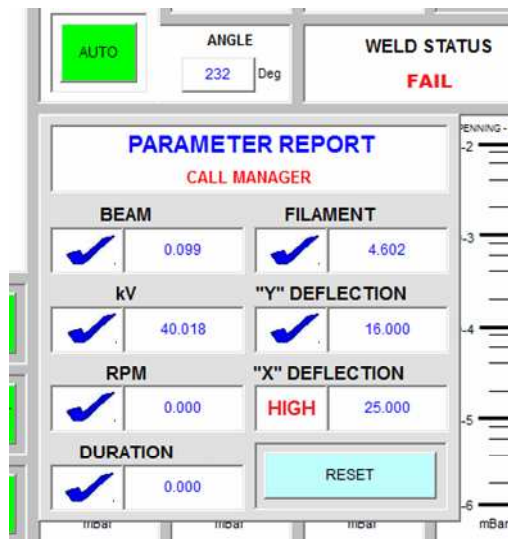
- Easy programme set up. Storage virtually unlimited
- Graded access password protection
- Programmable tailstock clamping pressure with automatic safety limit
- Integral, software based vacuum leak detection facility
- Networkable for remote data processing, supervision and troubleshooting
- Internet diagnostics. Fast response, on line service support
- Nadcap compatible - all data stored via independent high speed logger



System mimic

High speed data logging screens

The Microlink 603 introduces another new feature. Designed in the Movicon display software, and linked to the high speed logger, a weld status report can be generated on the Main Screen of the controller. This confirms the satisfactory execution of the weld programme within pre set limits. If individual weld parameters are not met, a pop-up panel appears in the HMI display indicating the non conforming values. The machine then defaults automatically to standby and requires an authorised code before production can be resumed.



Pop-up panels indicate process and machine status

As well as in supplying entirely new equipment, the new technology will be used to fully rebuild existing customer installations to a modern machine tool standard.