



With the experience of more than 30 years in job shop operation pro-beam has designed a new generation of electron beam generator. Today pro-beam, with its own designed EB generator, has a system available that is modular in design and can be adapted to the customers requirements.

**Characteristics of the pro-beam "state of the art" electron beam generator:**

- excellent beam characteristics with virtually unlimited possibility for beam modulation,
- high stability of beam parameter
- best availability and
- service friendly design

**Modules:**

- beam source adapted to the application (mechanical stability)
- beam alignment (automatic beam alignment for highest reproducibility)
- beam deflection (multi-beam technology) high degree of freedom for process development
- vacuum system (adapted to process)
- monitoring system (light optical and electron optical monitoring system and process control)
- high-voltage (optimum smooting, various process relevant auxiliary options available)

All modules of the pro-beam generator can be combined with each other in order to allow optimum configuration of the generator for the individual application.