



Rapid Single Piece Flow Machine

- Electron Optical Seam Tracking
- Work Envelope: D = 250 mm, L = 350 mm
- Dry Vacuum System: 550 l/s, $\leq 8 \times 10^{-3}$ mbar
- Electro-mechanic Press 60 kN
(force/displacement controlled)
- Customized for Hydraulic Accumulators
- Suitable for EB-Diffusion Welding

EB-Gun

- 6-15 kW beam power (spot \varnothing 0,2mm @ 6 kW)
- Tungsten ribbon cathodes with precision change jig
- Highly flexible HV-cable (pluggable incl. safety switch)
- Beam line FEM-optimised
- Ceramic insulator
- Adjustment yoke, stigmator and measurement aperture
- Linear actuated gun valve (integrated beam stopper)
- HDR-CCD, down beam LED, vapor protection, cross hair
- High speed deflection ($\pm 7^\circ$, 25 kHz)
- Back scattered electron collector for electron optics

