

## EQUIPMENT FOR ELECTRON BEAM WELDING

PWI has been engaged in EBW since 1958. The first commercial units were put into operation at the beginning of the 60<sup>th</sup>. Necessity in EBW has expanded with time on nuclear power engineering, instrument making, aircraft-, ship and space machine building.

### Covered tasks include:

- > designing mechanical and electrical sections of machines
- > development of electron guns, power sources and control systems
- > assembly and testing of complete machines and power units
- > putting the produced machines into commercial operation



### Small-size unit of SV 112 type

Chamber volume	0.3 m <sup>3</sup>
Accelerating voltage	60 kV
Capacity of power unit to	15 kW

### Mid-size unit of KL 138 type

Chamber volume	40 m <sup>3</sup>
Accelerating voltage	60 kV
Capacity of power unit to	60 kW



### Large-size unit of KL 118 type

Chamber volume	66 m <sup>3</sup>
Accelerating voltage	60 kV
Capacity of power unit to	60 kW

About 100 sets of different EBW equipment, including the units with vacuum chamber volume to 100 m<sup>3</sup>, have been put into operation for the last 10 years.