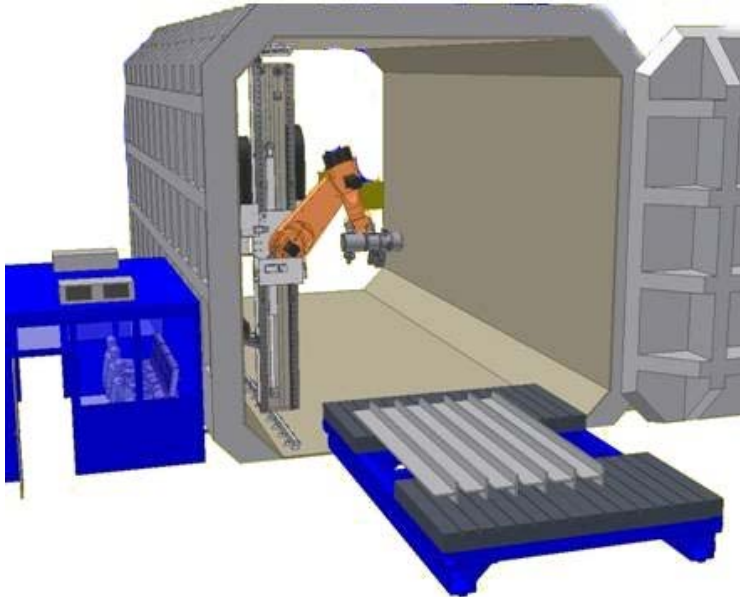


Universal Chamber EB Machine type K6000



Application

Designed for EB processing of large components a wide range of components and applications can be processed with the machine. Due to the internal generator concept processing of large and heavy parts is feasible. When operating the machine, the process steps, such as workpiece change, chamber evacuation, electron beam processing, chamber ventilation and the next workpiece change, are performed in succession and within the time intervals that are technologically necessary.

Using the pro-beam EB generator a wide range of welding, brazing and surface applications can be process, including multi-beam technology, multi-focus technology and multi-process technology.

Technical data

Chamber

Chamber volume	640 m ³
Installation area	735 m ²
Installation height	8.500 mm
Working space length	11.400 mm
Working space width	4.500 mm
Working space height	6.000 mm

X-Y manipulation

Travel x (NC)	11.400 mm
Travel y (NC)	4.500 mm
Travel z (NC)	4.430 mm

speed range 0.5 - 50 mm/s
 max. load coordinate table 50.000 kg

Electron beam generator pro-beam EB generator 80 kV

Vacuum

Partial vacuum $\leq 2 \times 10^{-2}$ mbar
 Evacuation time 30 min
 Hard vacuum $\leq 7 \times 10^{-3}$ mbar
 Evacuation time ≤ 50 min

Media

Supply voltage 3 x 400V, $\pm 10\%$, 50Hz; TN-S System
 Pressurized air 6 bar $\pm 10\%$
 Cooling water according to VGB-R 455 P

Acceptance criteria

acceptance test accoring DIN 14744, including X-ray test, sample processing and acceptance certificate

Accessories

Flat palete
 Manipulation devices

Options:

seperate PLC control panel
 2-hand control
 Chamber camera with monitor
 Polycold

Additional features and special design are available on request.