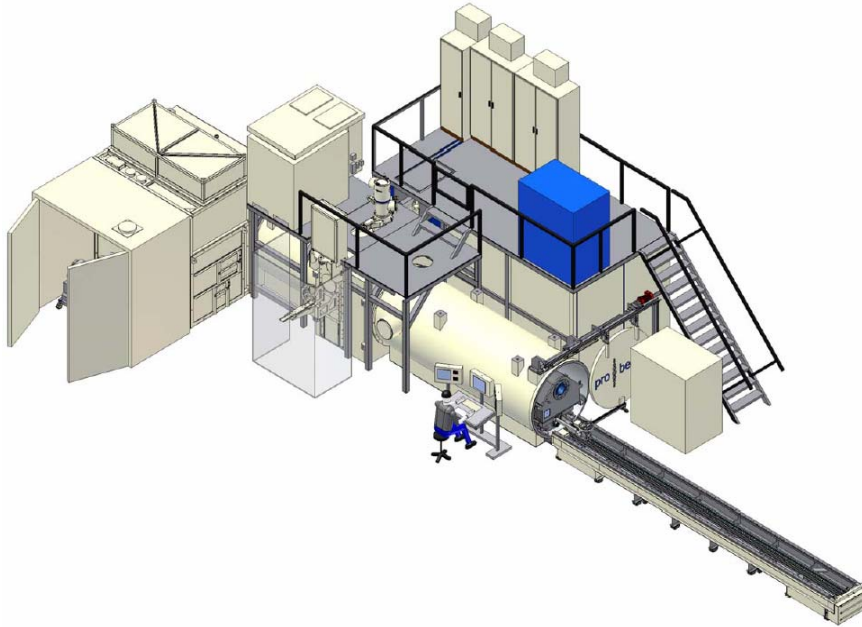


## Universal Chamber EB Machine type K190



### Application

The single chamber design allows for EB processing of a wide range of work pieces. 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	19 m <sup>3</sup>
Installation area	160 m <sup>2</sup>
Installation height	5.000 mm
Working space length	5.000 mm
Working space width	Ø 1.000 mm
Working space height	1.000 mm

#### Run-out platform

Length	7.500 mm
Width	830 mm
Height	540 mm

### X-Y coordinate table

Table length	5.000 mm
Table width	1.000 mm
Height over table	1.000 mm
Travel x (NC)	5.000 mm
speed range	1 - 100 mm/s
max. load coordinate table	11.000 kg

### Electron beam generator

pro-beam EB generator 80 .. 150 kV

### Vacuum

Partial vacuum	$\leq 2 \times 10^{-2}$ mbar
Evacuation time	min
Hard vacuum	$\leq 7 \times 10^{-4}$ mbar
Evacuation time	$\leq 3$ 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 according DIN 14744, including X-ray test, sample processing and acceptance certificate

### Accessories

Flat palette  
Manipulation devices

### Options:

Generator sliding device  
seperate PLC control panel  
2-hand control  
Polycold

Additional features and special design are available on request.