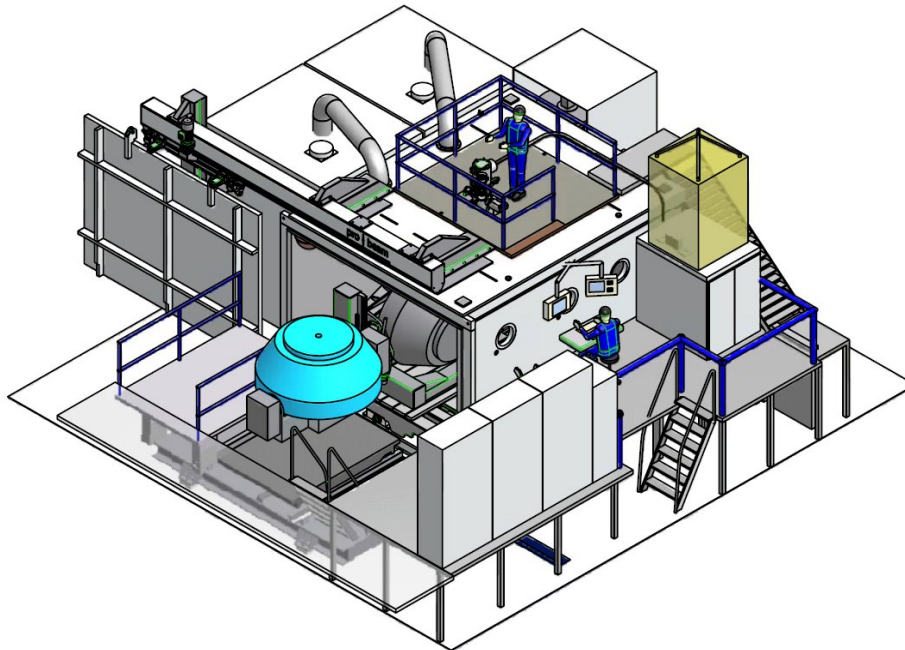


## Universal Chamber EB Machine type K640



### 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       | 64 m <sup>3</sup>  |
| Installation area    | 196 m <sup>2</sup> |
| Installation height  | 6.000 mm           |
| Working space length | 2.600 mm           |
| Working space width  | 1.800 mm           |
| Working space height | 2.320 mm           |

#### Run-out platform

|        |          |
|--------|----------|
| Length | 2.700 mm |
| Width  | 4.700 mm |
| Height | 400 mm   |

### X-Y coordinate table

|                            |              |
|----------------------------|--------------|
| Travel x (NC)              | 2.200 mm     |
| Travel y (NC)              | 2.000 mm     |
| speed range                | 1 - 100 mm/s |
| max. load coordinate table | 10.000 kg    |

### Electron beam generator

pro-beam EB generator 80 .. 150 kV

### Vacuum

|                 |                              |
|-----------------|------------------------------|
| Partial vacuum  | $\leq 2 \times 10^{-2}$ mbar |
| Evacuation time | 15 min                       |
| Hard vacuum     | $\leq 7 \times 10^{-4}$ mbar |
| Evacuation time | $\leq 25$ 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:

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

Additional features and special design are available on request.