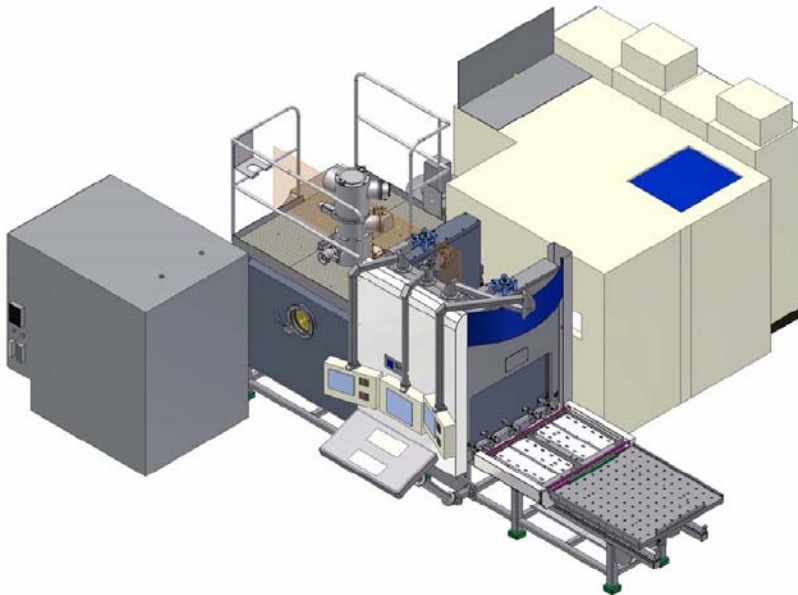


## Load Lock Shuttle Machine type S20



### Application

This machine may be used in a universal, quick and flexible manner. It combines the universal applicability of one-chamber machines with the advantage of having highly reduced process costs, short changeover times and flexible equipment concepts. They are used for a great variety of workpieces. This machine type guarantees a high productivity at low piece costs. It is suited for small, medium and large-series production. Conveyor/shuttle machines can be integrated in fully automated production processes.

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	2 m <sup>3</sup>
Installation area	49 m <sup>2</sup>
Installation height	4.000 mm
Working space length	800 mm
Working space width	500 mm
Working space height	480 mm

#### Run-out platform

Length	2.000 mm
Width	1.200 mm
Height	950 mm

### X-Y coordinate table

Travel x (NC)	820 mm
Travel y (NC)	520 mm
speed range	1 - 150 mm/s
max. load coordinate table	250 kg

### Electron beam generator

pro-beam EB generator 80 .. 150 kV

### Vacuum

Partial vacuum lock	$\leq 4 \times 10^{-2}$ mbar
Evacuation time	90 s
Hard vacuum	$\leq 7 \times 10^{-3}$ mbar

### 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  
Service door  
seperate PLC control panel  
2-hand control

Additional features and special design are available on request.