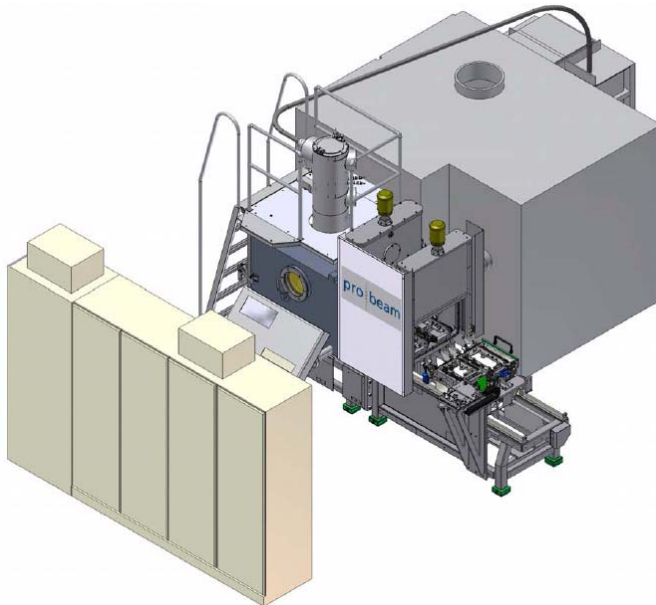


Load Lock Shuttle Machine type S8



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	0.8 m ³
Installation area	42 m ²
Installation height	4.000 mm
Working space length	820 mm
Working space width	290 mm
Working space height	300 mm

Run-out platform

Length	1.750 mm
Width	750 mm
Height	950 mm

X-Y coordinate table

Travel x (NC)	680 mm
Travel y (NC)	290 mm
speed range	1 - 150 mm/s
max. load coordinate table	150 kg

Electron beam generator

pro-beam EB generator 80 .. 150 kV

Vacuum

Partial vacuum lock	$\leq 4 \times 10^{-2}$ mbar
Evacuation time	60 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.