

Load Lock Cycle EB Machine type cell 360 RT



Application

These machines are intended for the series production of parts families comprising small components of the same welding seam geometry. Advantage of the concept is a very short cycle time.

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	30 dm ³
Installation area	5 m ²
Installation height	3.000 mm
Working space height	550 mm
Working space diameter	360 mm

X-Y manipulation

Travel y (NC)	250 mm
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Electron beam generator

pro-beam EB generator 60 kV

Load Lock Cycle Machines



CELL

Vacuum

Partial vacuum lock	$\leq 4 \times 10^{-2}$ mbar
Evacuation time	8 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 according to DIN 14744, including X-ray test, sample processing and acceptance certificate

Accessories

Manipulation devices

Options:

Generator sliding device
separate PLC control panel
2-hand control

Additional features and special design are available on request.