

Load Lock Cycle EB Machine type cell 165 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	4 dm ³
Installation area	4 m ²
Installation height	3.000 mm
Working space height	180 mm
Working space diameter	170 mm

X-Y manipulation

Travel y (NC)	75 mm
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Load Lock Cycle Machines



CELL

Electron beam generator

pro-beam EB generator 60 kV

Vacuum

Partial vacuum lock

$\leq 4 \times 10^{-2}$ mbar

Evacuation time

3 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.