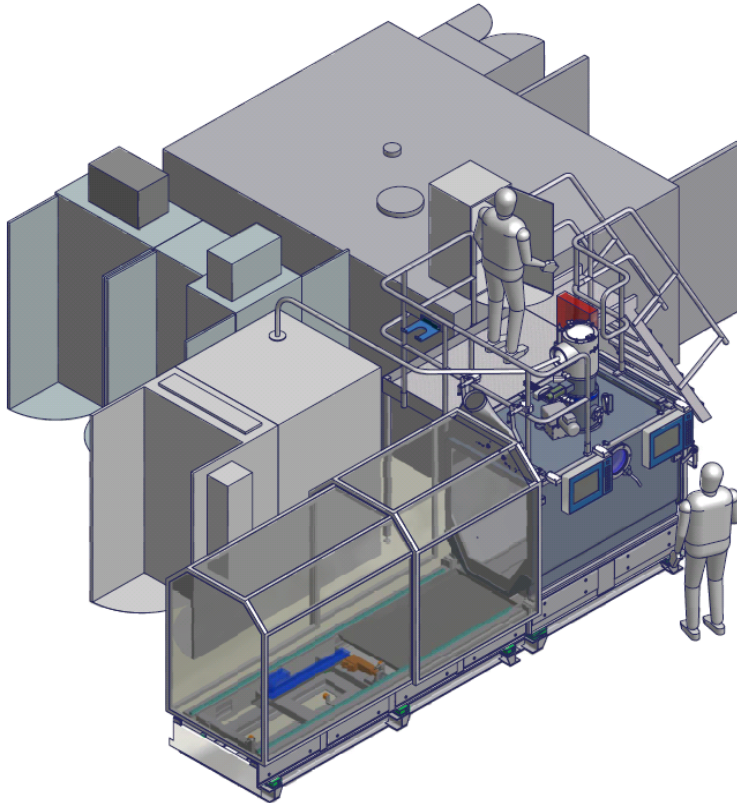


EB Drilling Machine type PK20



Application

The electron beam is the typical method for drilling many small holes in thick and tough materials. Benefits of the process are extremely fast drilling or cutting rates with relatively low heat input and distortion. One of the main application areas of the electron beam is the drilling of centrifugal disks for the production of glass wool used in insulating materials.

Technical data

Chamber

Chamber volume	2 m ³
Installation area	57 m ²
Installation height	3.500 mm
Working space length	650 mm
Working space diameter	750 mm

X-Z manipulation

Travel x (NC)	650 mm
Travel z (NC)	307 mm
max. load	300 kg

Electron beam generator

pro-beam EB generator 120kV

Vacuum

Partial vacuum
Process vacuum

$1,7 \times 10^{-2}$ mbar
 $3,5 \times 10^{-2}$ mbar

Media

Supply voltage
Pressurized air
Cooling water

3 x 400V, $\pm 10\%$, 50Hz; TN-S System
6 bar $\pm 10\%$
according to VGB-R 455 P

Acceptance criteria

acceptance test according to DIN 14744, including X-ray test, sample processing and acceptance certificate

Accessories

Mounting devices

Options:

Slinging device for backing material

Additional features and special design are available on request.