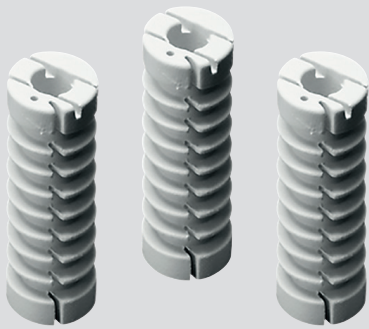




CRYOGENIC DEBURRING



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Cryogenic deburring is a surface-friendly method equally suitable for components made of plastics, e.g. thermoplastics, thermosetting plastics or elastomers as well as for the deburring of light metals, composites, zinc die casting alloys and hybrid components.

CRYOGENIC DEBURRING

PROCESS FLOW

With cryogenic deburring, the components to be machined are placed in a drum as bulk material or individual parts and subsequently cooled with liquid nitrogen. Working temperatures on the component surface can reach down to -150 °C in the process. The surfaces become brittle when cooling down and with them the adhering burrs. Once this state has been reached, the component is blasted at high speed with plastic granulate of varying size and density and the burrs break off.

CHARACTERISTICS

- removal of external and, partially, also internal burrs
- environmentally friendly method
- surface-friendly, no material wear



LOCATION:

BENSELER

BENSELER

Sachsen

GmbH & Co. KG

Chemnitzer Straße 61b

09669 Frankenberg/Sa.

GERMANY

Phone: +49 37206 661 0

E-Mail: info@benseler.de

www.benseler.de

