

Deburring of die cast products

Customised, cost-effective and precise with liquid nitrogen



Reliable deburring at low cost

Deburring die cast parts using conventional procedures is expensive and difficult. But this can be done simply and at low cost with liquid nitrogen: The cryogenic gas makes the burrs brittle. They can then be removed simply and completely using a blasting process. Cryogenic deburring has been an efficient method used for rubber for many years and can also be employed for die cast parts made of aluminium, zinc, titanium or magnesium without any problem. It is significantly more cost-effective than the conventional procedures, and the amount of scrap is considerably reduced.

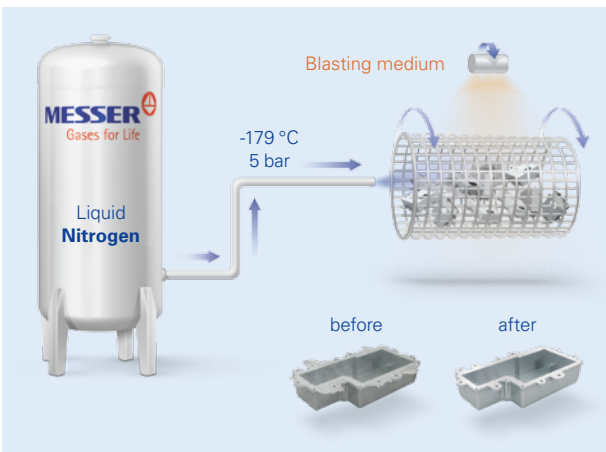
When die cast parts made of zinc, titanium or aluminium are deburred, the liquid nitrogen is conveyed directly from the storage tank to the deburring machine, where it vaporises and cools down the parts.

Your benefits at a glance:

- High process stability
- Optimal process runtimes tailored to geometries and materials
- Requirements-orientated temperature range up to -100 °C
- Measurable saving on costs
- Volume of scrap reduced



*Of our "Gases for Life",
this application uses
nitrogen (N₂).*



Your path to cost-saving deburring:

1. Testing

Messer will conduct a deburring test with your products free of charge.

2. Contract deburring

If the result meets your specifications, submit your products for contract deburring. This alone permits major savings.

3. In-house cryogenic deburring

If you are convinced of the technical and economic benefits of the procedure, Messer and Mewo will set up an in-house cryogenic deburring system at your location.

The process will be tailored precisely according to your parameters. You will profit from our expertise, perfect results and significantly reduced costs.

Messer brochures

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www.messergroup.com

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