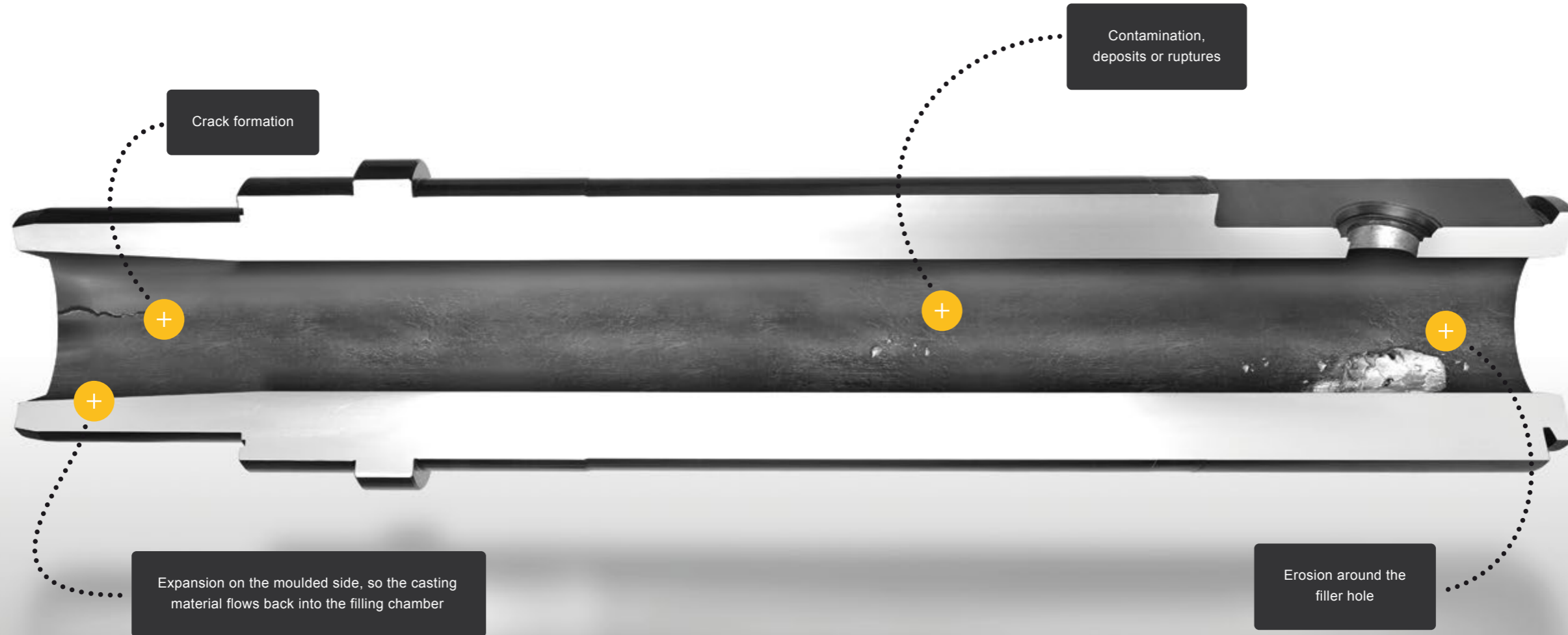




THE PROBLEM

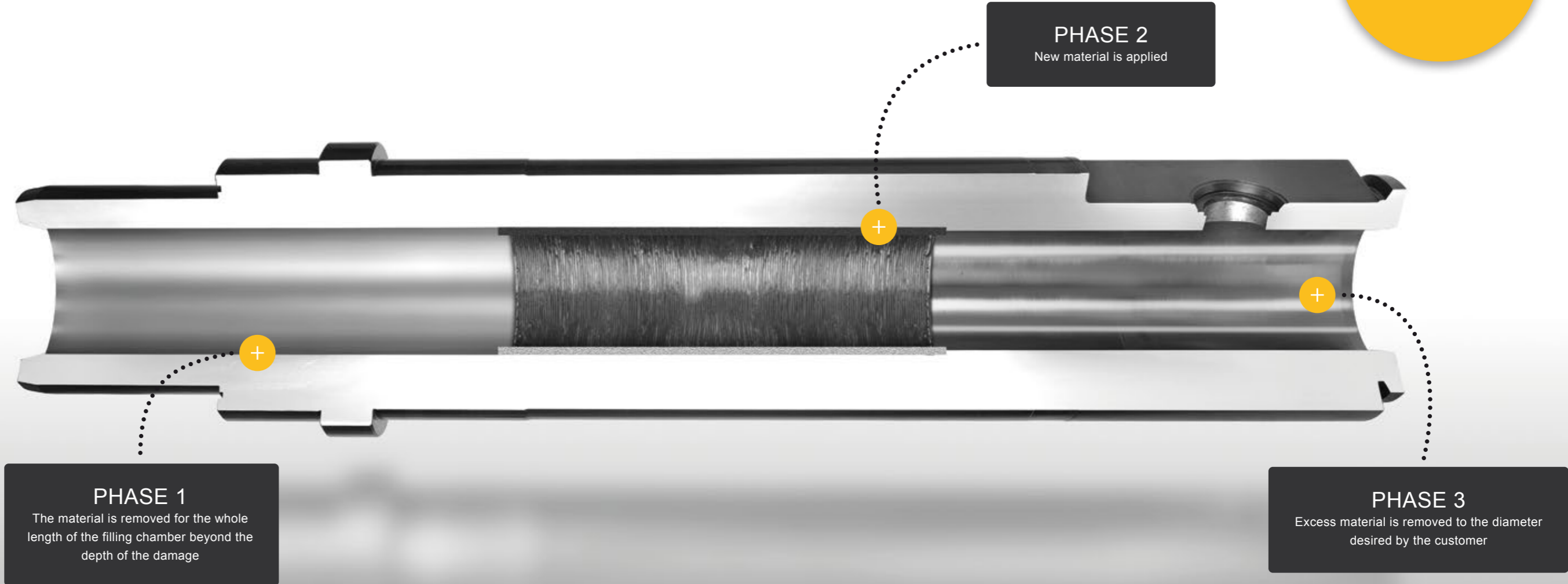
The filling chamber is put under severe pressure when used for day-to-day die casting. This results in numerous signs of wear which make smooth production impossible.



OUR SOLUTION

For over 20 years, we have been offering our technique to repair/recondition defective or worn filling chambers. Our technique is a world leader!

The original for
20 years



POSSIBLE DAMAGE

Any kind of damage or wear can be processed using our technique.

- | | |
|--|---|
| + Erosion | + Inside diameter worn |
| + Material fatigue | + Cracks due to age or stress |
| + Material ruptures | + Expansion |
| + Out-of-roundness affecting the outside or inside diameters | + Worn bushing seat |
| + Leaks in the cooling system | + Worn vacuum holes or filling openings |

FURTHER PROCESSING

Besides the actual reconditioning, we also offer additional processing services.

- | | |
|--|---|
| + Enlargement or reduction in the inside or outside diameter | + Lengthening or shortening |
| + Reviewing the fit | + Application of chamfering or radii to the inside and outside diameters |
| + Milling of 3D contours | + Permanent connection of base bodies with wearing bushings |
| + Placement of new filling openings and vacuum holes | + Integration of pin holes and surfaces as protection against twisting |
| + Placement of slots and holes to distribute lubrication | + Adaptation of U-shaped filling openings into filling openings that are closed at the front by integrating a bar |
| + Sealing or new production of cooling jackets | + Sealing of cooling circuits (sealing plugs, König-Expander [®] , special welding procedures) |
| + Non-detachable labelling | + Thermal cleaning |

TYPES

All shapes and sizes of filling chamber can be processed using our technique.

Filling chambers with an outside diameter up to 800 mm



Divided filling chambers



Steel pistons



Filling chambers with an inside diameter from 70 mm



BENEFITS

Our technique only offers you benefits in comparison with buying a new filling chamber.

- + Cost savings of up to 50%
- + Up to 25% higher shot numbers in comparison to a new chamber
- + The original internal diameters remain intact following our special welding procedure
- + Repair without moving wearing bushings
- + The parameters of the casting plant remain unchanged
- + We guarantee the homogeneity of the chamber after maintenance
- + Environmentally-friendly, resource-saving technique
- + All alterations are possible, e.g. making smaller or bigger, extending, shortening, etc.
- + During plant standstills, short-term repairs are possible without additional expenses

CAN YOU AFFORD NOT
TO USE OUR TECHNIQUE?

PUT US TO THE TEST - ABSOLUTELY NO RISKS
INVOLVED!

YOU ONLY PAY ON APPROVAL!

Many well-known companies are already successfully relying on our technique:



BMW Group



+GF+

DAIMLER AG

SIEMENS

WHO WE ARE

For over 20 years now Weier GmbH has stood for highest quality, precision and innovation “Made in Germany”.

Thanks to expanding our product range and manufacturing processes consistently over the years, we have become a firmly established player in the metal-working industry.

Our company is divided into two segments, which have developed independently from one another.

From our inception in 1992 we have been producing connecting and custom-made parts in compliance with DIN or following customer specifications. These are used in a wide range of different application scenarios. Our client list includes companies from the renewable energy sector, from specialist vehicle manufacturing, from mechanical and plant engineering and from industrial construction.

The second business segment comprises the repair and reconditioning of defective and worn shot sleeves.

This offers businesses in the aluminium / magnesium die casting industry a cost-effective, fast and more eco-friendly alternative than buying new chambers. Developed as early as 1995, our method has by now advanced to being one of the leading repair and reconditioning methods in the world.

Our many years' experience and the latest machinery coupled with highly qualified and motivated members of staff form the foundation required for a reliable and cost-effective production.

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