



RECONDITIONING OF:

**1. Shot sleeves**

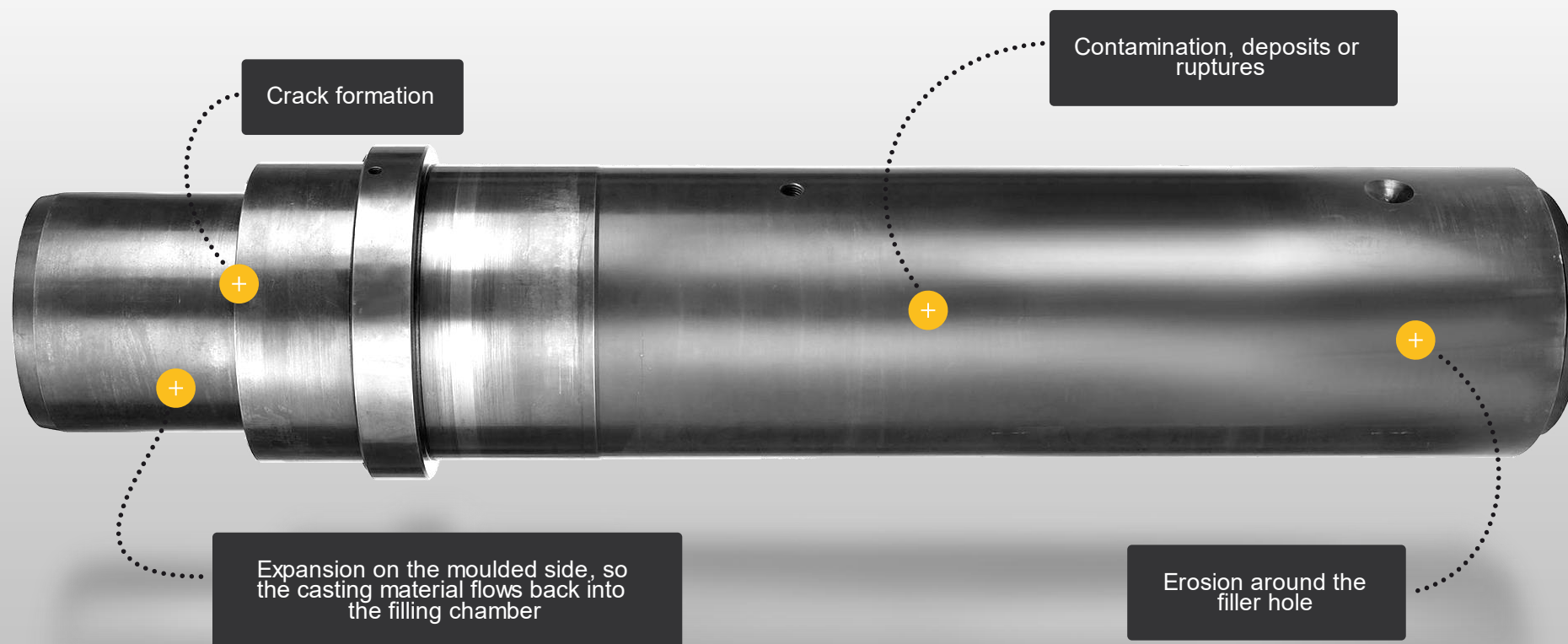
**2. Wear bushings**

**3. Cylindrical guides**



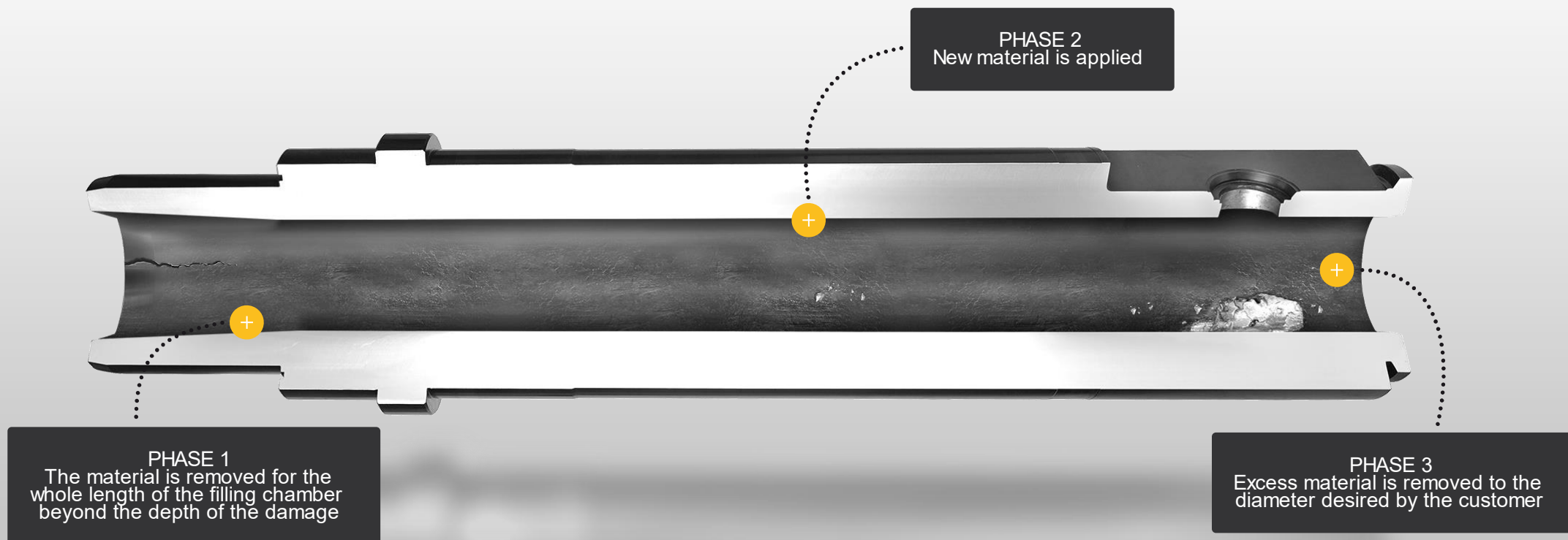
# 1. SHOT SLEEVES / THE PROBLEM

The filling chamber is subjected to great stress in everyday die-casting. This leads to a variety of signs of wear, which make a smooth production impossible.



# 1. SHOT SLEEVES / THE PROCESS

Over 20 years ago, we have developed a shot sleeve reconditioning process, which is unique to the world today and has proven its worth on the European market with an increasing trend!



## 1. SHOT SLEEVES / ARGUMENTS FOR THE RECONDITIONING AT WEIER GMBH

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- Up to 50% cost savings (includes: price, reduced stock, storage, space and longer service life)
- Up to 25% higher shot numbers compared to a new shot sleeve
- During plant shutdown, a short-term delivery time is possible (details after agreement)
- Reduced stock and spare parts costs due to short delivery times
- Environmentally-friendly and resource-saving technique (reduction of CO2 load)
- The origin diameter remains
- Repair without the insertion of wear bushings
- The parameters of the casting system remain unchanged
- A variety of changes to the shot sleeve are possible, e.g. reducing, enlarging, lengthening, shortening, and more
- The homogeneity of the shot sleeve is maintained

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## 1. SHOT SLEEVES / SUSTAINABILITY - ENERGY AND CO2 SAVINGS

### Shot sleeve reconditioning compared to A new shot sleeve

Our comparison is based on dates with 2000  
chambers with a average weight of 171 KG\*

\* Energy needs / to steel finish produced 5.342,00 kg  
CO2 Emissions / to steel finish produce.466,00 kg  
Source: Wirtschaftsvereinigung Stahl Stahlinstitut VDEh



#### CO2 EMISSIONS

Savings of

**65%**



This corresponds to CO2  
Emissions of  
**3,24 Mio KM (PKW)**



#### ENERGY

Savings of

**80%**



This corresponds to a  
annual electricity  
consumption of  
**456 households**

## 2. WEAR BUSHES

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### 3. CYLINDRICAL GUIDE

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THANK YOU

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