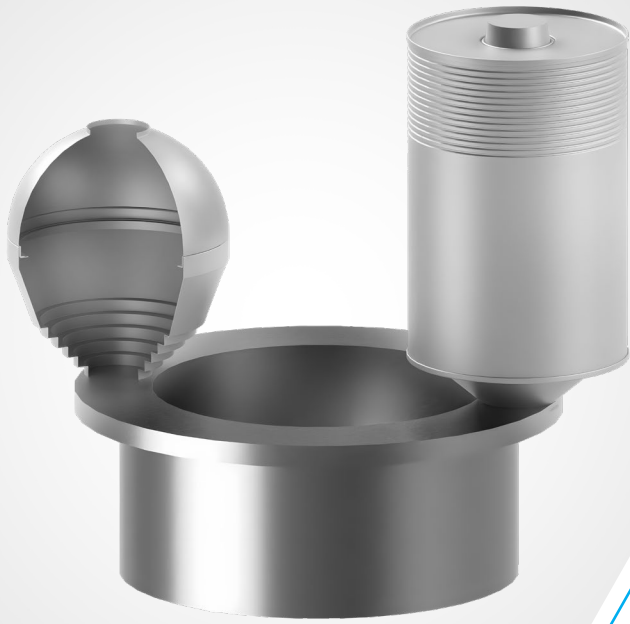


ECOCAST™ ONE



ECOCAST™ ONE - THE ECO-SMART FEEDING INNOVATION

Today more than ever, the foundry industry is faced with the challenge of fulfilling high quality expectations and growing cost pressure yet dealing with environmental factors in a sustainable and careful manner.

In many foundries, cylindrical feeder caps are still used in large volumes. This cost-driven approach inevitably leads to the associated issues of yield, rework, degeneration, emissions, and sand contamination.

ECOCAST™ ONE is optimally tailored to the needs of foundries that use riser caps for cost reasons and at the same time want to produce a high-quality casting with first-class environmental performance.

With ECOCAST™ ONE, ASK Chemicals offers a new feeding technology that is easy to use and a competitive, genuine alternative to riser caps. The eco-smart, metallic feeding innovation offers an excellent price-performance ratio: it improves quality, reduces costs, and avoids emissions and sand contamination.

TECHNOLOGICAL ADVANTAGES

- Significant reduction in casting defect or failure potential
- Clean sand system
- No casting defects due to riser crumbs in the mold
- Clean breaker edge
- Easy removal and low fettling effort
- 100 % recyclable
- No emissions from riser binders
- Scalability thanks to variable volumes
- Simple application with rigid pins





Fig. 1: Cleaning cost comparison of natural riser, riser caps and ECOCAST™ ONE

Better quality and efficiency with ECOCAST™ ONE

ECOCAST™ ONE is a patented feeder technology for iron casting. It has several features that help to improve quality. A precise breaker edge, easy positioning and exceptional molding properties facilitate the effortless removal of riser residues and significantly reduce the cleaning effort. Additionally, ECOCAST™ ONE’s volumes are variable and can be scaled according to component and casting requirements.

The lighter weight makes it easier to place the feeder in the mold and the application with rigid pins is straightforward. Storage is also much easier and more flexible as ECOCAST™ ONE does not contain any flammable or hazardous material.

Fully recyclable and a clean sand system

ECOCAST™ ONE is a metallic riser which allows the feeder to be knocked off, added to the material cycle, and melted down directly.

By eliminating the exothermic and chemically bonded feeder material, the contamination that would lead to an increase in the landfill classification is completely avoided.

Unique without emissions and without exothermicity

ECOCAST™ ONE works entirely without chemicals. Chemical-related casting defects are thus avoided, foreign material is not introduced into the molding material cycle and the riser itself has no emissions.

In addition, there is no contamination in the flask from riser crumbs, which can cause surface defects.

YOUR SUSTAINABILITYPLUS

Economic efficiency

- Increased efficiency
- Less fettling work due to defined breaker edge
- Fewer casting defects as no burnt riser material
- Less slag formation during melting down

Cost reduction

- Immediate remelting of the knocked-off feeder
- No sandblasting process necessary after casting
- Less cleaning costs
- Low storage requirements
- No landfill costs

ESG compliant

- 100 % recyclable
- 100 % emission-free