

Est. 1914
Trennex[®]



WAX FREE RELEASE AGENTS

20 Years of Innovation
and Success with Trennex[®]



Release agents and lubricants for die casting

2004

WAX-FREE TRENnex®-PRODUCTS

Minimal residues, maximum efficiency, and highest component quality: For more than two decades, we have been developing high-performance wax-free release agents for modern die casting – delivering measurable added value for processes, tools, and results.

A CLEAR VISION

Residue-free die-casting and spraying tools served as the motivation for developing the first wax-free release agents for the European die-casting market. The goal: to maintain the proven technical performance of our Trennex products – but completely free of wax components.

In the Trennex laboratories, high-performance polysiloxanes and innovative additives were identified for this purpose. Practical trials with foundry partners provided valuable insights and gradually led to a production-ready product.

2006

THE BREAKTHROUGH

Product line: Trennex W 3351

Initial tests immediately demonstrated improved surface quality with significantly reduced residues. The result: rapid market success in precision casting through brighter castings, high dimensional accuracy, and minimal maintenance effort for equipment and peripherals.

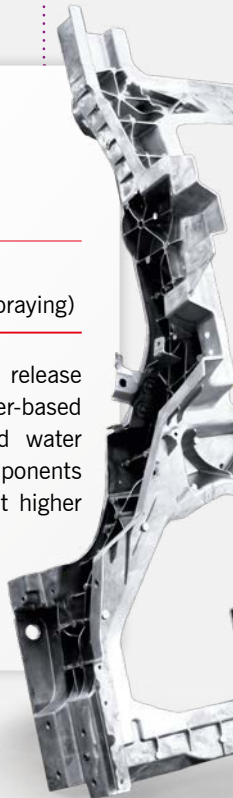
The product also proved highly successful in high-pressure spraying – leading to first uses in series production, for example for engine blocks.

2010s

CONTINUOUS DEVELOPMENT AND MICRO-SPRAYING

Product line: Trennex W 3360
Trennex MS W 060 (Micro-spraying)

The high temperature stability of wax-free release agents enabled the development of water-based micro-spray release agents. With reduced water consumption and increased efficiency, components could for the first time be manufactured at higher mold temperatures.



2020s

READY FOR GIGACASTING

Product line: Trennex W 3351/L
Trennex W 3600

Through continuous further development, Trennex products have been prepared for new possibilities. Especially in the Chinese market, wax-free Trennex release agents have become successfully established on gigacasting systems.

Whether polysiloxane-containing or polysiloxane-free – their easy washability and suitability for coating processes have made them market leaders there.

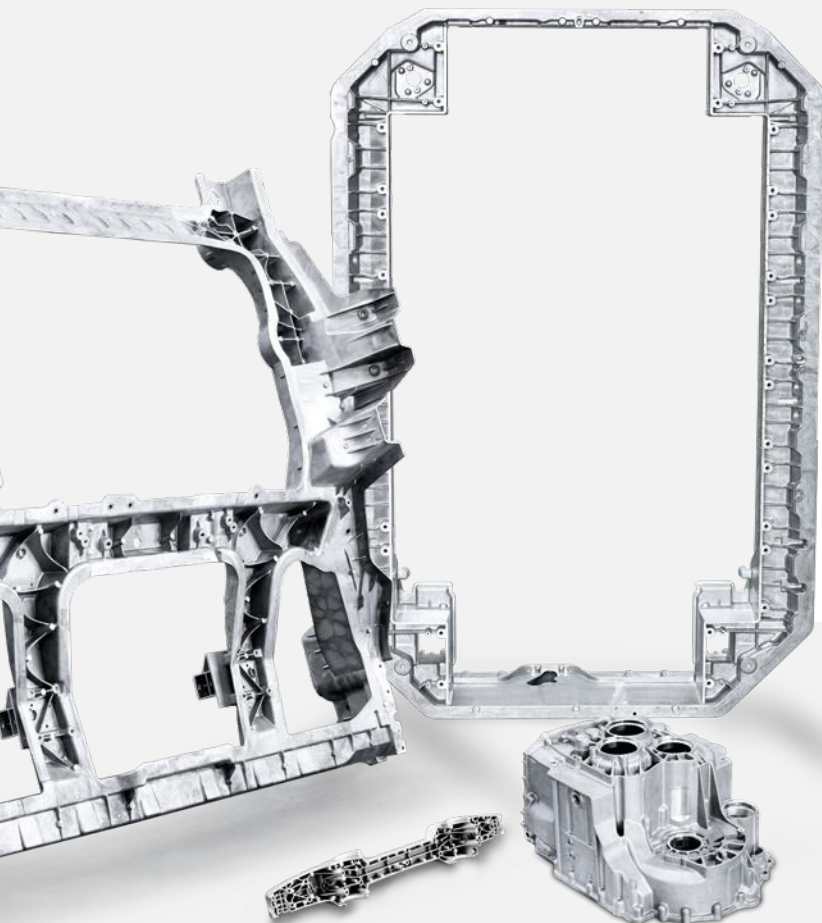
THE ADVANTAGES AT A GLANCE

- Fewer residues on tools and cavities
- No wax deposits in spray nozzles
- High suitability for downstream processes, including coating
- Higher temperature stability
- Improved heat dissipation
- Brighter casting surfaces

CONCLUSION

Over the past 20 years, the success story of wax-free Trennex products has made them an indispensable part of our portfolio. New developments with even better lubricating performance and greater process compatibility continue to be consistently advanced.

At the same time, wax-containing and wax-reduced release agents remain an important part of our product range.



TRENNEX[®] – RECEIVE MORE

- Competent Team of Technicians and Chemists
- Permanent development work with new raw materials
- Customer-Oriented Product Development
- Analyses of lubricants and cast parts
- Customer-Training
- Competent Application-Technology
- Represented worldwide by die casting specialists
- Fast and flexible order processing
- High availability of the TRENNEX[®]-Products



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