Chem-Trend’s HERA™ — High Efficiency Release Agent — die lubricant helps manufacturers improve overall operating efficiency through multiple forms of waste reduction and reduced product usage. HERA™ is an advanced ready-to-use water-based product flexible enough for use with high ductility alloys and complex part designs. The performance characteristics of its chemistry make HERA™ ideal for both high and low temperature operations.

HERA™ Applications

HERA™ improves the cost model of any business by reducing scrap, downtime and energy use. The versatile product helps manufacturers attain sustainability goals with its water-based formulation and can be used in a variety of applications.

For example, HERA™ is well suited for use in the automotive industry in manufacturing structural castings as well as in the production of consumer durable goods such as household appliances.
HERA™ DIE LUBRICANTS

HERA™ Solutions
HERA™ improves die cast operations in many ways:
• Increases productivity through cycle time reductions.
• Minimizes or eliminates plant effluent.
• Eliminates potential negative influences of dilution water.
• Eliminates issues with biological growth activity.
• Reduces energy consumption.
• Extends tool life.

HERA™ Formulation
HERA™ was specifically developed as a ready-to-use advanced technology water-based die lubricant. It is perfect for use in today’s complex applications.
• Compatible with standard or robotic application equipment.
• Versatile enough to use with complex part designs and high ductility alloys.
• Features excellent wetting and spreading properties.
• Adheres at low and high temperatures.
• Evaporates quickly and results in no effluent.
• Eliminates the need for costly biocide treatment.
• Shrinks overall carbon footprint by reducing CO₂ emissions.

HERA™ History
HERA™ was developed as part of a project sponsored by the German Federal Ministry of Education and Research to promote energy and resource efficiency in aluminum die casting. Chem-Trend was one of several industry-leading companies to participate. The goal of the project was to increase overall energy efficiency by 15 percent, while at the same time reducing CO₂ emissions and shrinking a manufacturer’s carbon footprint.