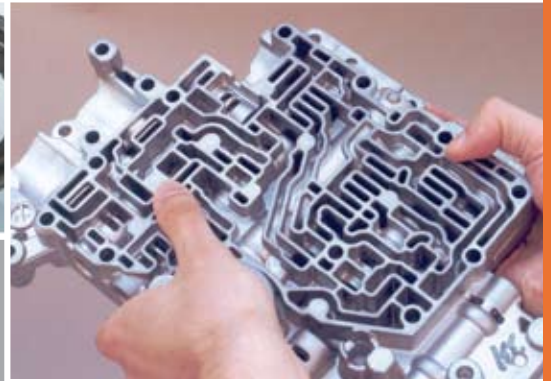


DIE CASTING | POLYURETHANE | TIRE | RUBBER | COMPOSITES | THERMOPLASTICS



Chem-Trend® is a global organization with a singular focus of formulating and manufacturing **innovative chemical specialties** for use in the die casting, general rubber, polyurethane, tire, thermoplastics and composites industries.

For over forty years, Chem-Trend's success has been built on the premise of value. Our products and people have proven themselves to not only help our customers make better parts, but more of them. At the core of it all are industry-standard mold release agents and die lubricants engineered to maximize productivity while delivering high-quality finished parts.

Chem-Trend's expertise isn't limited to release agent technology: a wide range of process enhancing products including cleaners, specialty lubricants and purging compounds bring additional value to what we offer our customers.



## THE CHEM-TREND DIFFERENCE

Working with Chem-Trend goes far beyond just being able to provide product. It's a partnership approach that has taken us to the forefront of the industry and has provided our customers the leading service and support in the industry today. Understanding what our customers make and how those products are created is critical.

That's why Chem-Trend sales people and technicians are on customers' shop floors around the world, identifying important process parameters and specific requirements. Together with industry-leading chemists, the right product is formulated to meet our customers' needs. Experienced manufacturing professionals work through a global network of manufacturing facilities to get our customers the right product, when and where they need it. It doesn't end with a delivery: ongoing technical support and analysis services optimize each customer's production process to help them achieve lower defect rates, less downtime and improved part quality.

## THE POWER TO PROVIDE

Chem-Trend is committed to bringing premier release agent technology to the world's industries. In support of this commitment, Chem-Trend has made substantial investment in the best people, processes and facilities that fuel our innovation, business agility and responsiveness to our customers.

Chem-Trend continues to expand into new markets in order to meet the needs of companies operating in a global economy. Our manufacturing facilities covering five continents, sales and service offices in sixteen countries and a global distribution network give assurance that we have the products and services close to

those who need them. This local service is supported by the strength of a network of technical and manufacturing resources that is unsurpassed in the industry. Dedicated, industry-specific laboratories work in unison to develop product technologies using experiences gained from successes around the globe. In addition, Chem-Trend's test facilities house pilot machines that allow us to test product before it reaches the customer. Putting it all together, that's value.

That's Chem-Trend.



## DIE CASTING

Chem-Trend's commitment to advancing the performance of our technology has resulted in the creation of the industry's most comprehensive product lines of liquid and powdered die lubricants for aluminum, magnesium and zinc metals in traditional high pressure, squeeze and semi-solid casting operations. Chem-Trend not only leads the industry in lubricant technology, it actually helped shape the industry with the development of the first effective water-based die lubricant over forty years ago. This innovative development has been the basis of our Safety-Lube® line of die lubricants, recognized as the leading brand in the industry today.

Chem-Trend's Power-Lube® plunger lubricants play an integral part in keeping the world's casting operations running at peak efficiency. A full line of water-based, oil-based and dry plunger lubricants provide superior protection for both shot sleeves and plunger tips. Rounding out the product portfolio is a family of ancillary products that protect, clean and lubricate die casting machinery.

Products include hydraulic fluids, anti-solder wax, quench compounds, ladle coatings, start-up oils and specialty lubricants.

## POLYURETHANE

If it's made from polyurethane, Chem-Trend is helping to make it somewhere in the world.

Chem-Trend's Pura® brand of solvent- and water-based release agents operate in a wide array of applications and molding parameters. Less down-time and reduced scrap rates are important to the success of our customers' businesses, and an effective release agent is key to maximizing productivity. We custom formulate both water- and solvent-based release agents in ready-to-use or concentrate forms for the specific needs of our customers' applications — whether the desired result requires a low-gloss surface finish, post-molding painting and adhesion, open or closed cell surface or a host of other properties.

Application areas include: automotive parts such as seats, steering wheels, door panels and insulating components; polyether and polyester shoe soles; and furniture, home decor products and building materials. Chem-Trend also manufactures mold cleaners and other process aid chemicals for the polyurethane molding industry.

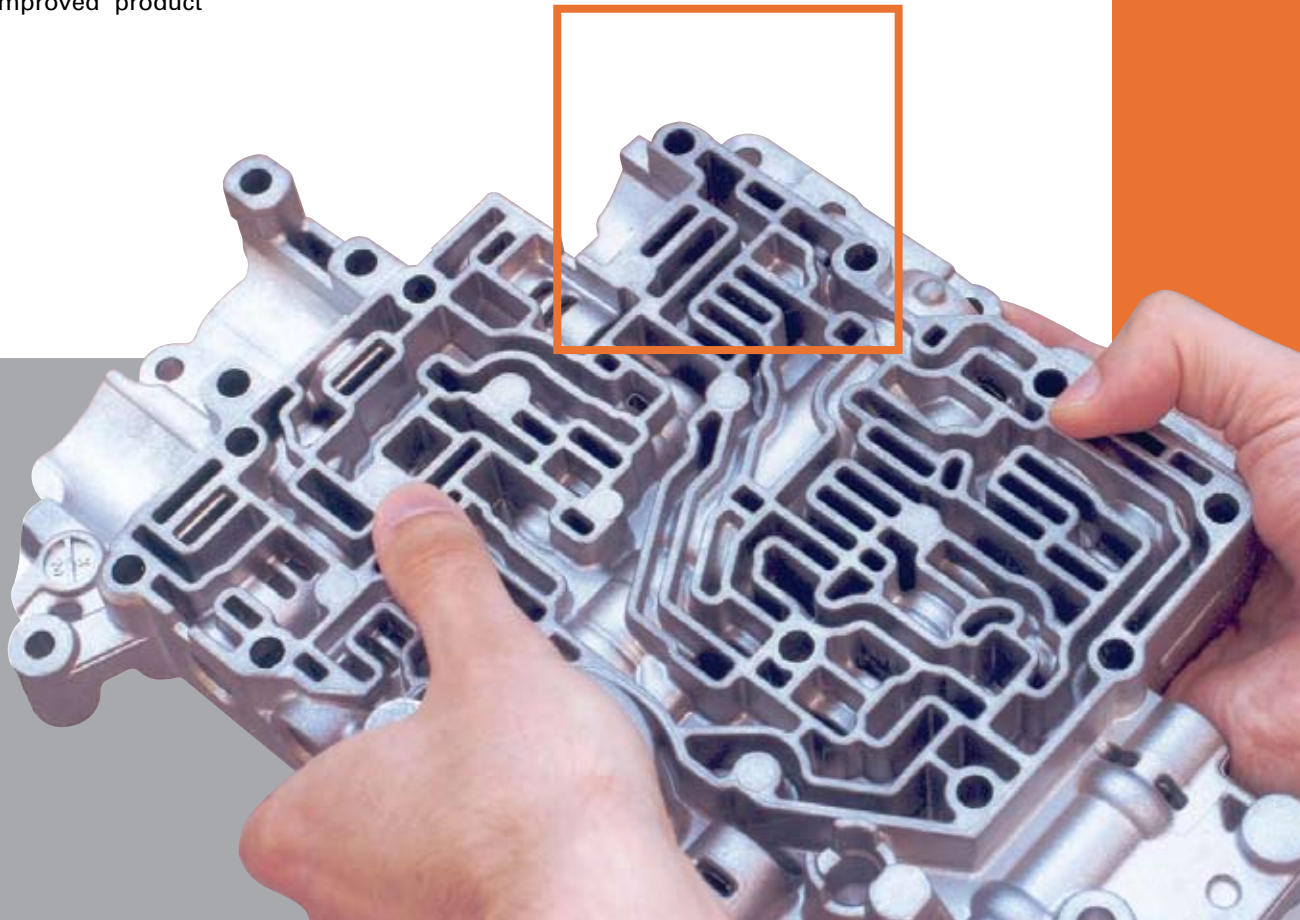




## RUBBER

Chem-Trend has responded to the needs of the rubber molding industry for greater efficiency by developing a comprehensive line of semi-permanent and conventional release agents. Improved part quality, reduced mold fouling and build up, and less downtime can all be realized with Chem-Trend's Mono-Coat® and Perma-Mold® brand release agents for manufacturers using injection, injection/transfer and compression molding. With the growing trend toward multi-component designs, Chem-Trend works with customers upstream in their design process to help them develop parts with high finish quality and improved product

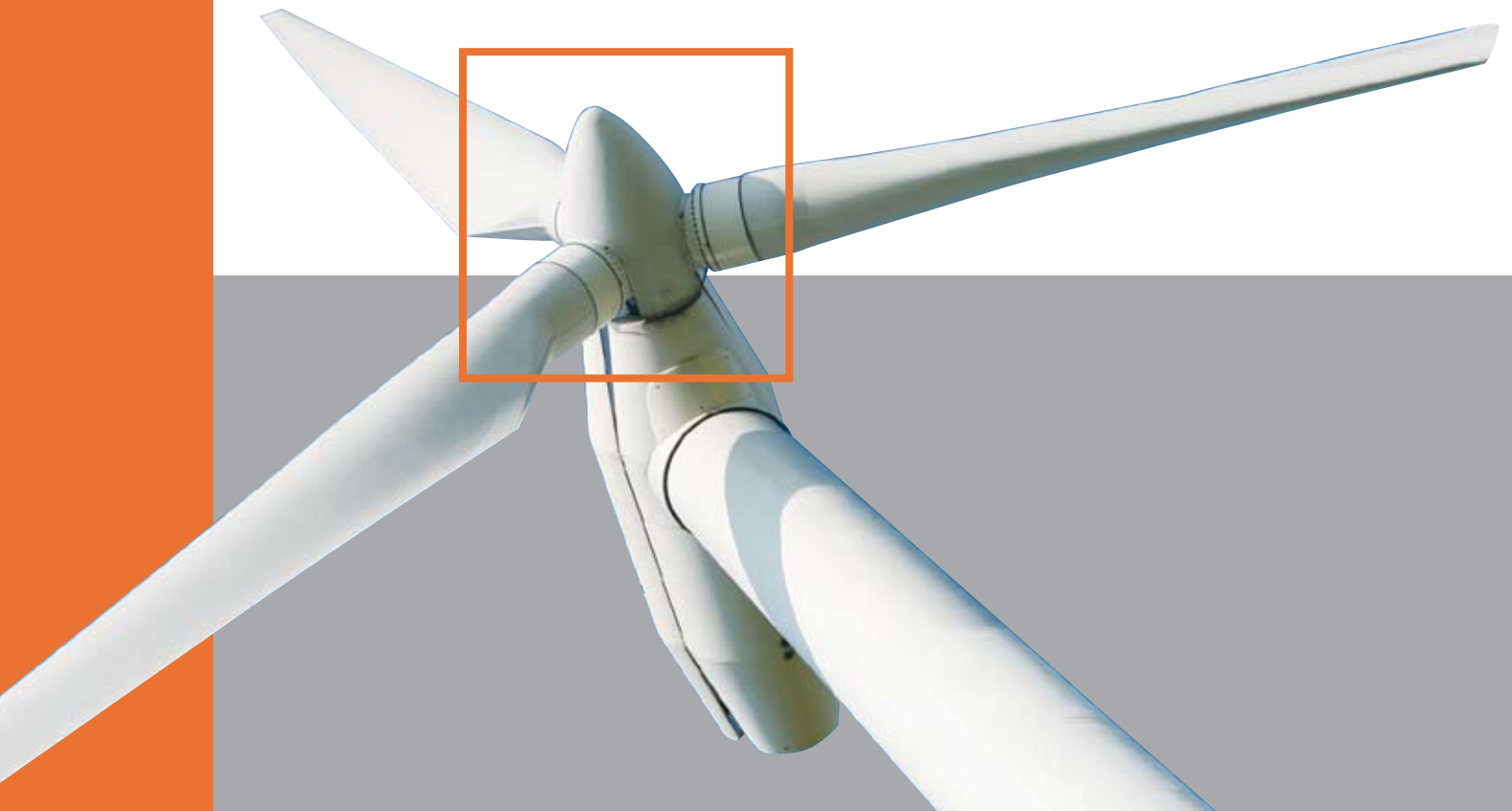
integrity. Chem-Trend's ability to custom-formulate its products has helped customers realize shorter cure cycles while handling the most aggressive curatives, bonding agents and unique processing conditions that are required for special-purpose and silicone rubber compounds. Chem-Trend products are the right choice for high-output production of automotive seals and gaskets, complex metal-to-rubber bonded components, and a host of other automotive and non-automotive part applications.



## COMPOSITES

Chem-Trend's Chemlease® brand release agents have earned a solid reputation throughout the fiberglass reinforced plastics and advanced composites industries for providing high-quality surface finishes and product integrity. Our water- and solvent-based products offer a dramatic reduction or elimination of post-molding finishing operations required in composites manufacturing. Chem-Trend products provide high-quality surfaces, from class A to matte finished, right out of the mold. That means greater productivity and higher

profitability. Chem-Trend products have been formulated to optimally function as a complete system, combining effective release agents, mold sealers and mold cleaners to ready molds faster, keep molds cleaner and produce more parts per shift. Chemlease® brand products have proven themselves in a variety of composite materials applications in helping manufacturers producing parts for the automotive, aerospace, marine and recreational industries.



## THERMOPLASTICS

Molders of thermoplastic parts know that it's all about high-quality parts at high volume production. Chem-Trend can respond to that need at every step in the process with Lusin® brand products, which not only get the parts out of the mold, but keep the machinery operating optimally. The Chem-Trend line of non-abrasive purging compounds allows molders faster resin color change-overs with virtually no abrasion to system components. Our silicone-based and silicone-free mold release agents have proven themselves in plastics processing, resulting in better quality parts, shorter cycle times and greater productivity in a variety of operating conditions. Lusin® non-soiling lubricants keep parts moving smoothly and prevent damage due to breakage and seizing. To assure that dies and molds are always ready to go into production, a complete range of anti-corrosion agents provides dies with long-term protection. Whether our customers are manufacturing water bottles in Italy or motorcycle parts in Indiana, Chem-Trend is there helping them realize greater value.

## TIRE

Chem-Trend has developed the industry's most extensive range of innovative tire molding process aids. Products that improve finished tire appearance right out of the mold, saving tire manufacturers time and effort in reducing post treatment and finishing. Our Mono-Lube® and Mono-Coat® brand names have become synonymous with quality and value on the production lines of virtually every tire manufacturer around the globe. Chem-Trend's technology touches many areas of the tire molding process: inside and outside tire paints that provide proper release from the curing bladder and mold, improving tire surface appearance; coatings that protect the curing bladder from abrasive attack during the cycle to prolong bladder life; and mold treatments that reduce the occurrence of mold fouling to keep molds in service longer between scheduled cleanings. Chem-Trend products can be found throughout the world at manufacturers of tires for the automotive, recreational and commercial industries.



## Chem-Trend Global Facilities



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