



LITRE SERVICE, INC. COMPANY BROCHURE

We are the equipment repair people.

Est. 1969



Overview

Products and Services

Litre Service, Inc.

Is the premier source for refurbishing equipment for industries whose products require the use of scraped surface heat exchangers; cylinders, barrels, tubes, dashers, mutators, ingredient/fruit feeders, inner beaters, beater bars, pump housings, wear parts, and blades of any make, model, and material. Litre Service has been in business for over 50 years and currently services over 400 companies worldwide.

Scraped Surface Heat Exchanger Repair

Repairs done 100% in-house to manufacturer specifications. Utilizing our own hard chrome facility and expansive machine shop, we are able to complete repair work quicker than the OEM, at a fraction of the cost.

Purchases & Exchanges

We complete our repair work quickly because we know how costly downtime can be for your plant. However, sometimes quick is not quick enough. That's why we carry the industry's largest inventory of refurbished cylinders, dashers, pumps, and more, available for exchange or purchase and ready to ship.

Wear Parts and more

Specializing in supplying manufacturer-equivalent wear parts and more. We manufacture and supply scraper blades, pumps and pump parts, service kits, and various other processing components to keep your plant moving.



LWG Finishing, Inc.



In 2022, Litre Service acquired their own hard chrome facility; LWG Finishing, Inc. Founded over 50 years ago, LWG spans through generations. LWG specializes in ID and OD tube hard chrome plating and hydraulic rod/cylinder repair.



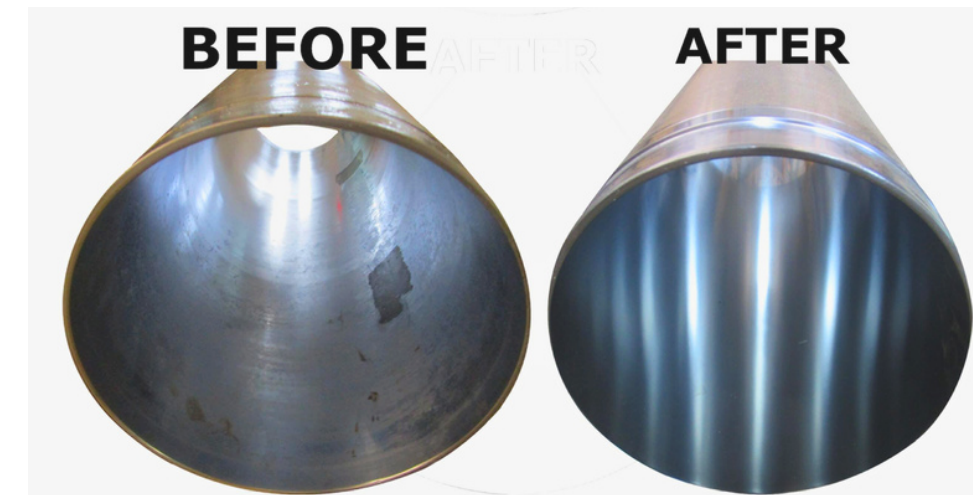
Hard Chrome

Having our own hard chrome facility helps to facilitate Litre having the best pricing, service, and lead time in the industry as we have total control over quality and time management. This means that we can ensure that your cylinders have the highest quality workmanship in the shortest amount of time possible.

We can have a cylinder re-chromed in 8-10 working days. Litre Service has the capability to hard chrome the inner and outer diameter of any material tube or cylinder.



Hundreds, maybe thousands of freezer cylinders, pump housings, ingredient feeder housings, homogenizer pistons, and other parts are re-chromed at this facility every year through Litre.



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Cylinders, Barrels, & Tubes



Scraped Surface Heat Exchangers consist of a jacketed cylinder with a rotating dasher holding rows of scraper blades. The product is pumped through the cylinder while the heating or cooling medium is circulated between the cylinder and the jacket. Using scraped surface heat exchangers creates the ability to heat and cool fluids with particulates of only a few millimeters in diameter. Litre Service can repair any make, model, and material cylinder.



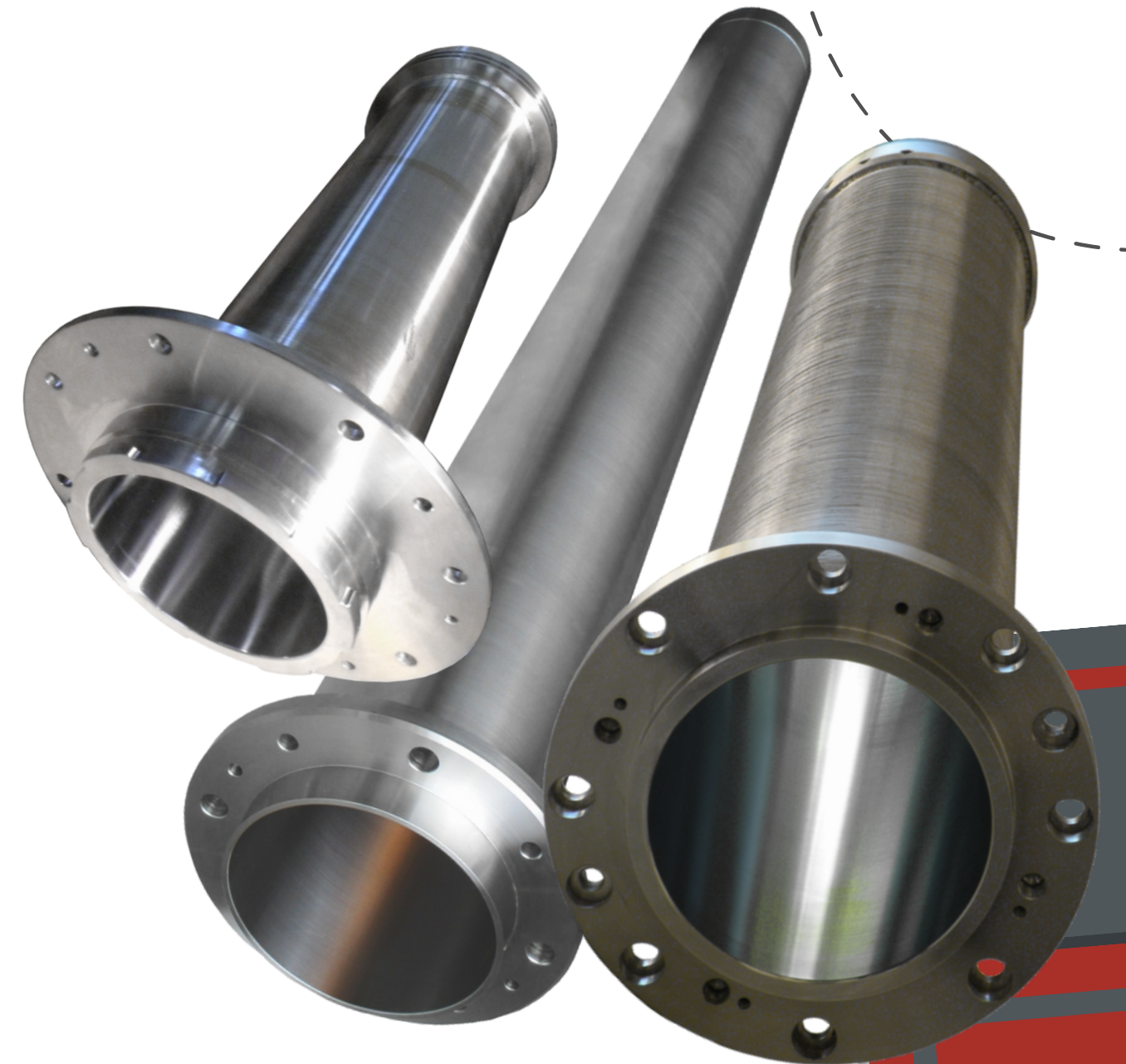
Repair Process

The first step in the repair process for cylinders is stripping all existing chrome from the inner diameter. Next, a thorough inspection is performed to determine the extent of welding and machining needed. If necessary, outer diameters will be welded and machined back to factory specification. After all welding and machining is complete, the unit is then honed to the proper micro-finish. Lastly, the cylinder will be re-chromed and polished to a mirror like finish.



Manufacture

Need an extra on the shelf? Want it quicker and less expensive than through the OEM? Litre has full capabilities to manufacture new, OEM-equivalent freezer cylinders, tubes, barrels, & Votators.



Dashers, Mutators, & Blade Shafts



Dashers come in many sizes and shapes, which are determined by their application. Most dashers have pins attached to the outside casing which are used to hold scraper blades. As the dasher spins, the dasher blades scrape the product from the inside surface of the heat exchanger barrel. The dasher is necessary to mix and churn the product into the desired consistency.

Repair Process

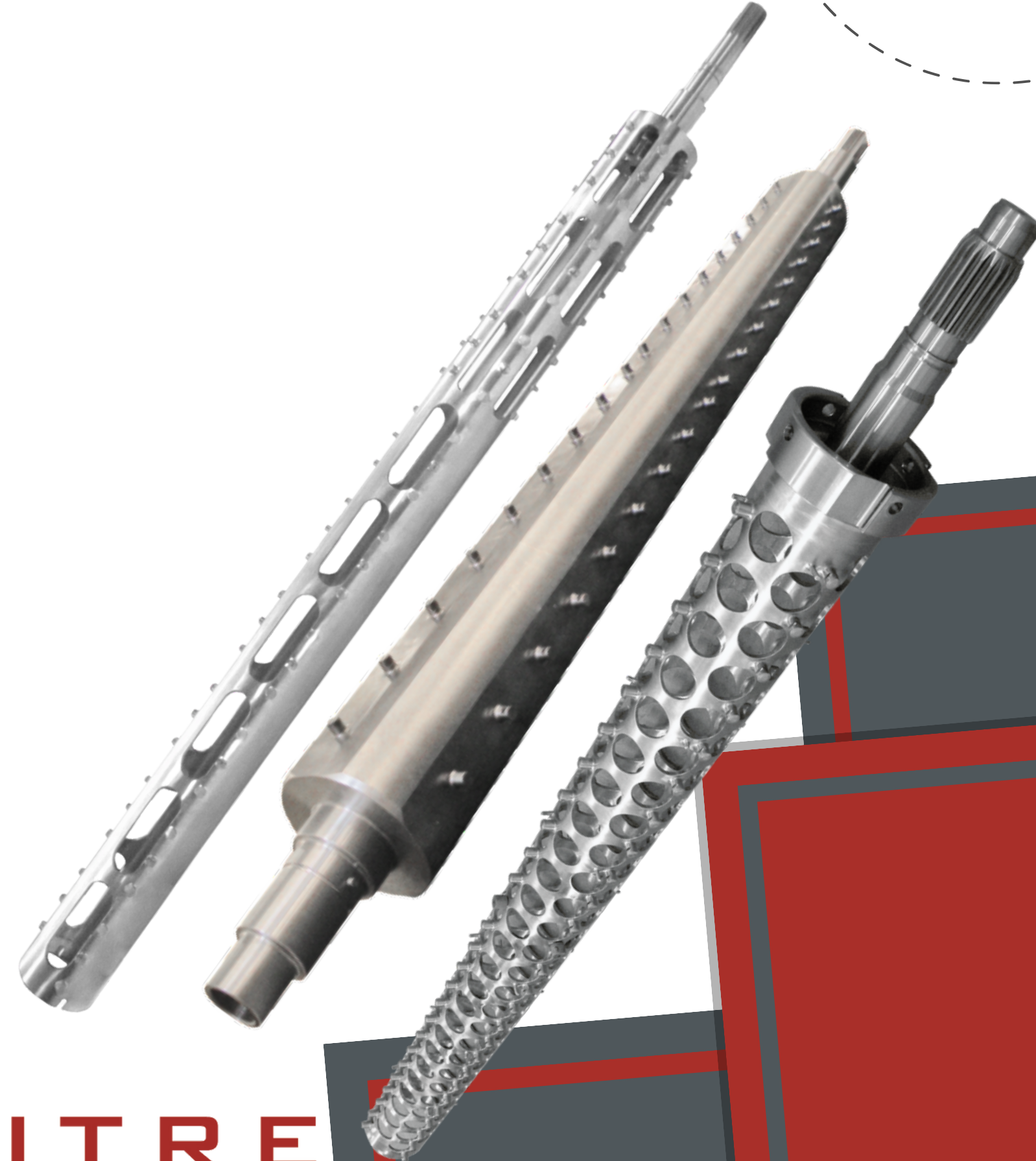


Our standard repair process begins with a thorough inspection to check blade pin alignment and thickness, then inspect for any stress fractures that may be found at the base of the pins. We also perform an inspection of all bearing diameters and spline ends to determine if any additional welding/machining is necessary. The existing drive spline is cut off of the dasher body and replaced with a brand new spline. We then measure bulk heads, inner pins, take TIR readings, and pressure test to check if all leaks and cracks have been sealed to ensure proper installation and performance.

Blades



Litre Service has full capabilities to manufacture AND sharpen all makes and models of scraper/freezer blades. Contact us for pricing or visit our website.



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Inner Beaters & Beater Bars



Inner beaters work in conjunction with dashers and mutators. Inner beaters are inserted into some dasher models and spin in the opposite direction as the dashers. Inner beaters help with the churning process inside of the heat exchanger barrel. As with dashers and mutators, inner beaters come in many different sizes and shapes. The type of inner beater required depends on the desired product consistency.

Repair Process



The first step in our inner beater remanufacture and repair process is to inspect all bushings, bearings, diameters, and straightness. Units are checked for liquid and drained of fluid. Leaks are repaired and then pressure tested for any additional damage. The unit is then polished, inspected, and shipped in a strong wooden crate. All dimensions are to factory standards. We also have the ability to customize any unit for any requested special applications. A complete breakdown of all work completed is available upon request.

Manufacture



Want an extra on the shelf? Contact us for a quote on a brand new inner beater bar.



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Pumps



Heat exchanger pumps are primarily used to pump product into the heat exchanger cylinders. Exchanger pumps have very tight tolerances. Overtime, as product is pumped through the unit, gears, gaskets and covers may become worn causing the pump to lose pressure or its ability to move product.

Repair Process

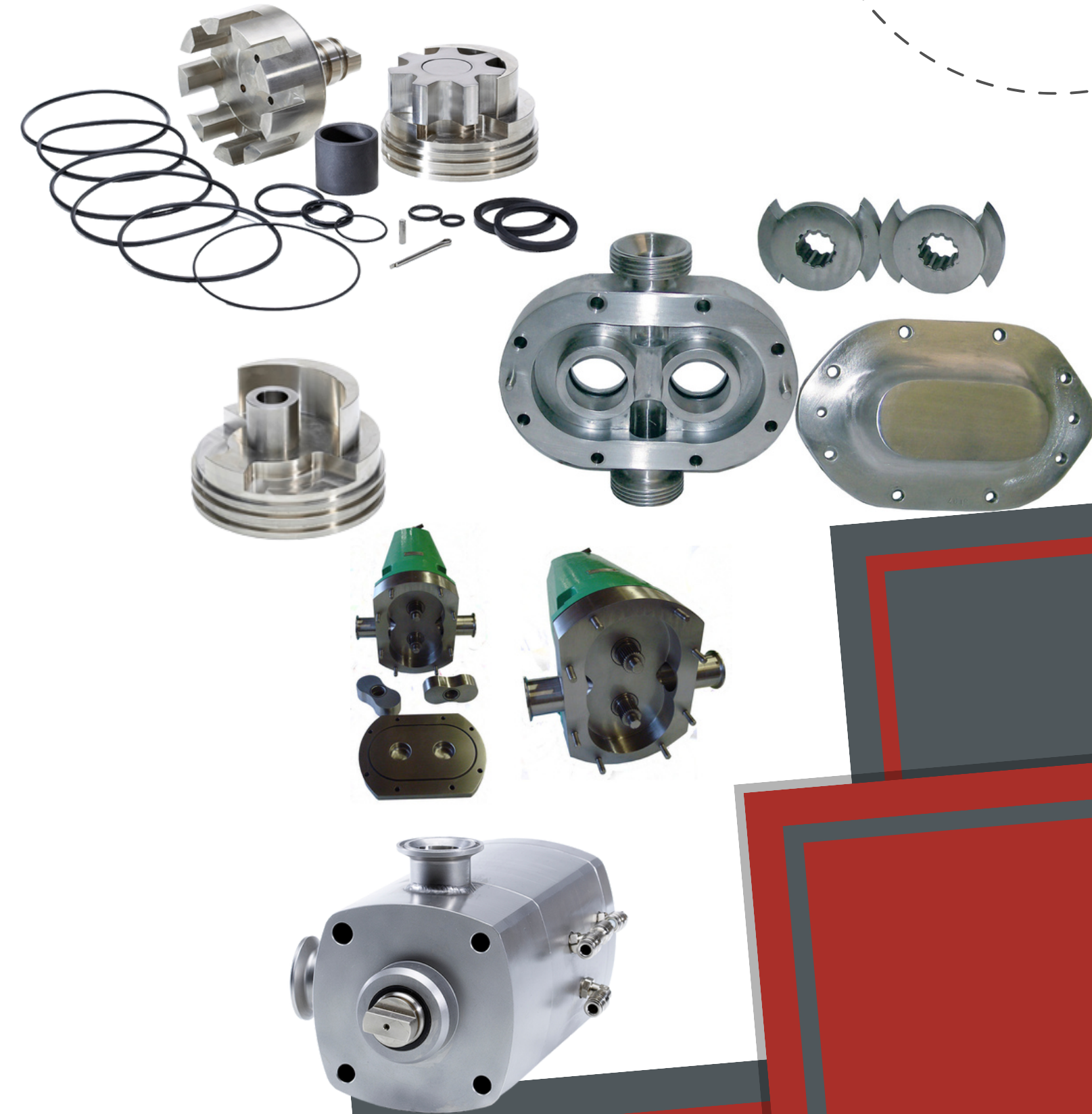


Each pump housing begins with an extensive inspection against factory specifications. If repairs are necessary, the inner diameter of the housing will be welded, machined, ground, re-chromed and polished to manufacturer's specifications. All pumps are tested on the appropriate fixture; activated, re-inspected, cleaned, polished, packaged and shipped.

Parts



Litre Service, Inc. not only repairs, but supplies many OEM equivalent pumps and pump parts at a fraction of the cost of buying new. All parts furnished to customers undergo vigorous and extensive quality tests prior to delivery.



Ingredient Feeders & Fruit Feeders



Fruit Feeders are used to enhance frozen products by introducing fruit, nuts, candy, and other inclusions at the time of production

Repair Process

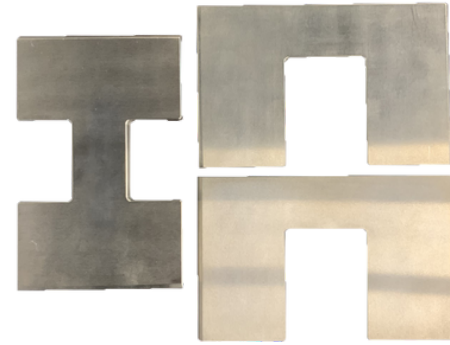
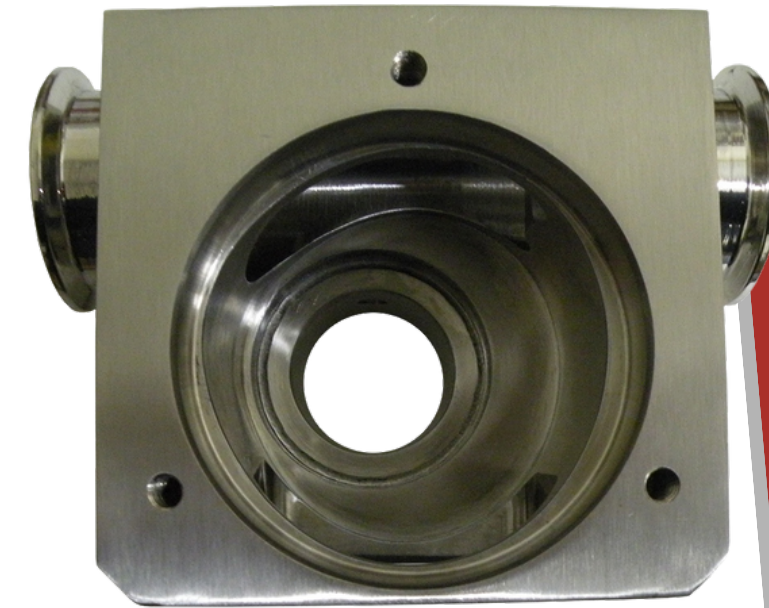
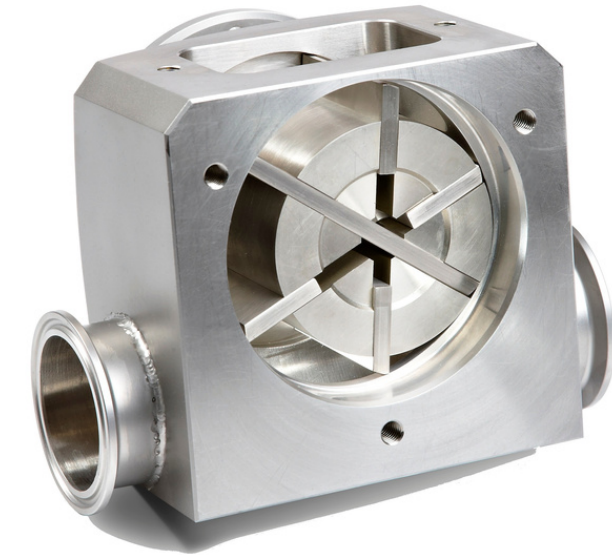


Each unit begins with a thorough inspection of all wear diameters. First, impeller bearing IDs and wear surfaces are welded, machined, hard-chromed, and ground back to manufacturer's specification. The surfaces are then smoothed of all gouges and all threaded studs are repaired or replaced as needed. The outside of the housing is cleaned and polished ;and if necessary, the pressure plate is stripped of existing chrome, repaired, and re-chromed per manufacturer's specification.

Parts



Litre Service, Inc. supplies many OEM equivalent fruit feeder housings, lamellas, and other parts at a fraction of the cost of buying new. All parts furnished to customers undergo vigorous and extensive quality tests prior to delivery.



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Homogenizers



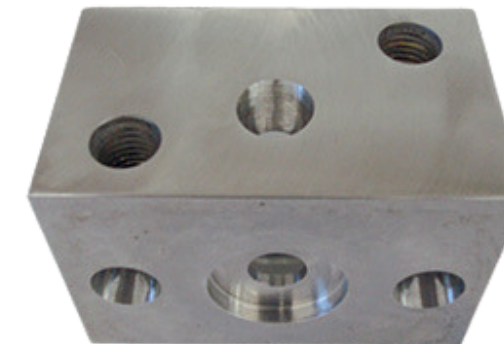
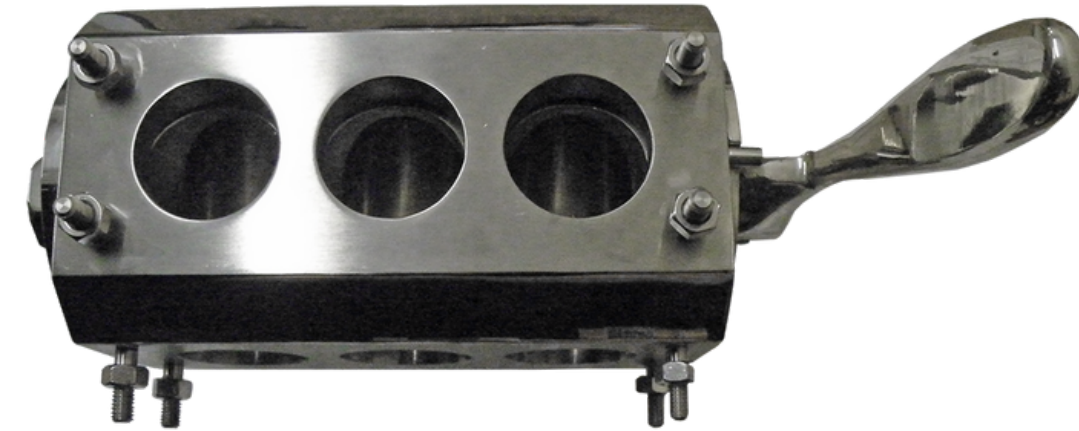
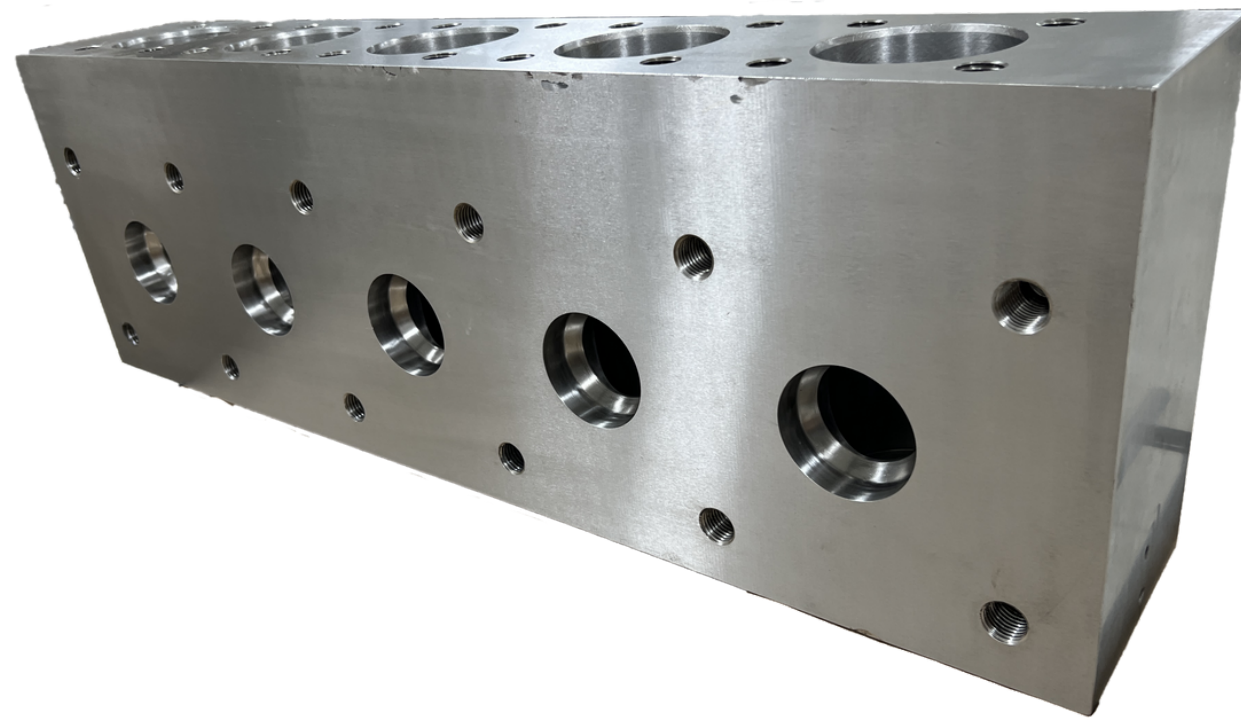
Litre Service specializes in refurbishing all things dairy, and that includes your homogenizers.

Parts Serviced:



Litre offers a wide range of homogenizer repair services to keep your equipment in peak condition. We specialize in refurbishing and re-surfacing homogenizer blocks as well as pistons, valves and other parts used in dairy processing. Homogenizer pistons are re-chromed at our chrome facility, LWG Finishing. After, they are ground to size and polished. All reconditioned parts will be returned to you in like-new condition.

We also manufacture brand new, OEM-equivalent homogenizer pistons.



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Miscellaneous parts & more



Litre Service specializes in supplying OEM-equivalent wear parts and various other components used in food, dairy, ice cream and frozen novelty processing.

Parts we can supply



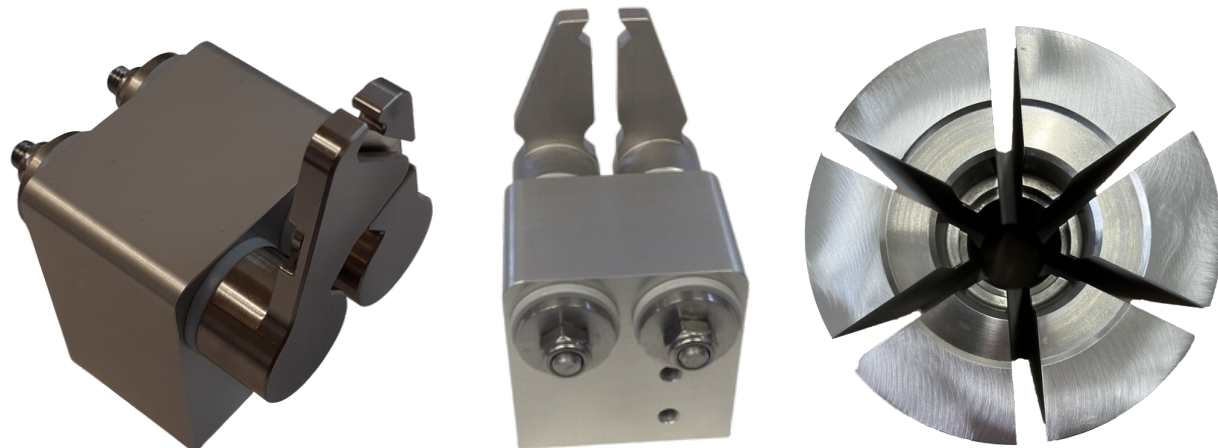
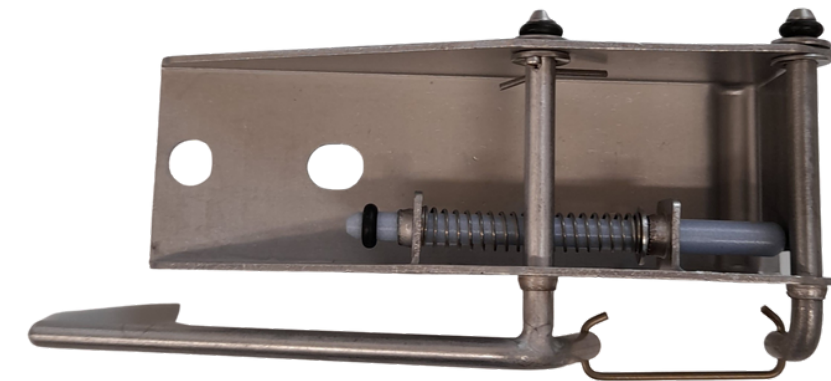
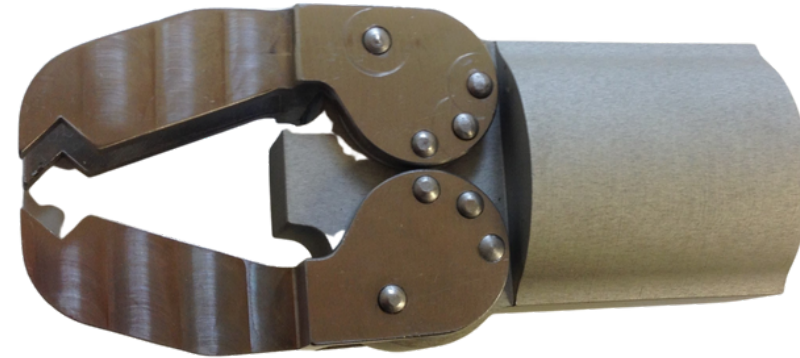
With over 15,000 part numbers in our system, Litre can supply just about anything used in your dairy, frozen novelty, and ice cream production processes. Parts for your freezers, fruit feeders, pumps, filling machines, extrusion lines, mould lines, stick lines, extractors, pick and place units, grippers, wrapping machines, and product cartoning units.

Send us your OEM part numbers, and we will have a quote to you ASAP.

Parts for machines built by:



Tetra-Pak Hoyer®, Gram Equipment®, WCB®, SPX®, Big Drum®, Sidam®, Technogel®, Teknoice®, and more.



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What sets us apart

Pricing



Our in-house process, which includes our own hard chrome facility, allows us to charge a fraction of the OEM and other competitors.

Supply and Lead Time



Our in-house process allows us to complete freezer cylinder repairs in 8 or less working days and dasher and pump repair in 1-2 days. That coupled with our massive inventory of ready to ship parts makes us the clear choice when you need it done quickly.

Quality



Highest quality standards in the industry matched with unrivaled customer support makes Litre a no-brainer.

TRUSTED BY...



...and hundreds more – large and small



Contact Us.

Litre Service, Inc.

Address : 2165 Pontiac Rd. Auburn Hills, MI 48326

Phone : (800) 824-8868

Email Address : info@litreinc.com

Website : www.litreinc.com

