

Who gets you
to the **NEXT LEVEL?**





Transforming Ideas into Successful **PRODUCTS** for 50+ Years

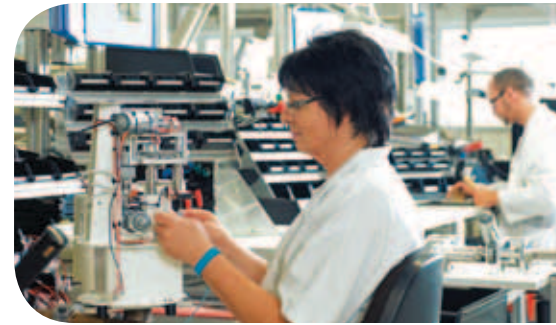
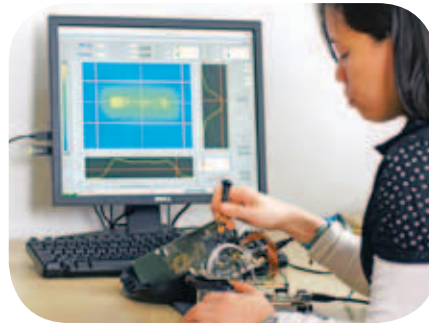
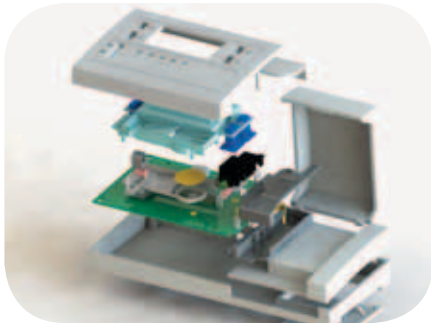


LRE Medical is a recognized OEM partner for the Medical and Analytical Device industries world-wide. We are dedicated to transforming ideas into innovative products with excellent quality and competitive pricing – ensuring that your success becomes our success.



Ideal OEM-partner for Global Corporations and Start-ups

LRE Medical GmbH, founded in 1961, is part of **Esterline Corporation**. LRE Medical is a leading developer and manufacturer of analytical instrumentation for OEM customers. LRE Medical primarily focuses on *in vitro* diagnostic (IVD) and life science products for Handheld, Point-of-Use and Bench-top Laboratory markets.



Design, Development, Manufacturing and After Sales Support – You can have it **ALL**

One Stop Shopping – Less Time, Less Cost, Less Risk
LRE Medical offers “One Stop Shopping” solutions for converting ideas into innovative and successful products:

- ❑ Engineering
- ❑ Manufacturing
- ❑ After Sales Service
- ❑ Lifetime Product Support

Concurrent Engineering Improves Quality

LRE Medical strongly believes in “Concurrent Engineering”. By developing the manufacturing processes concurrently with product development, it significantly improves quality and reduces overall program and product cost.

Concurrent Engineering helps to:

- ❑ Speed up product development
- ❑ Manage project risks
- ❑ Assure compliance with Design Control requirements

Product Development – Ideas to Design Transfer

LRE Medical's Phased Development Process ranges from Feasibility to Design Transfer and includes the following activities:

- ❑ System development
- ❑ Risk Management
- ❑ Electronics hardware design
- ❑ Optics and mechanical design
- ❑ Software development
- ❑ Mechanical and electronic Prototype Assembly, Rapid Prototyping
- ❑ Verification and Qualification

Manufacturing – Integrated Engineering to Commercialization

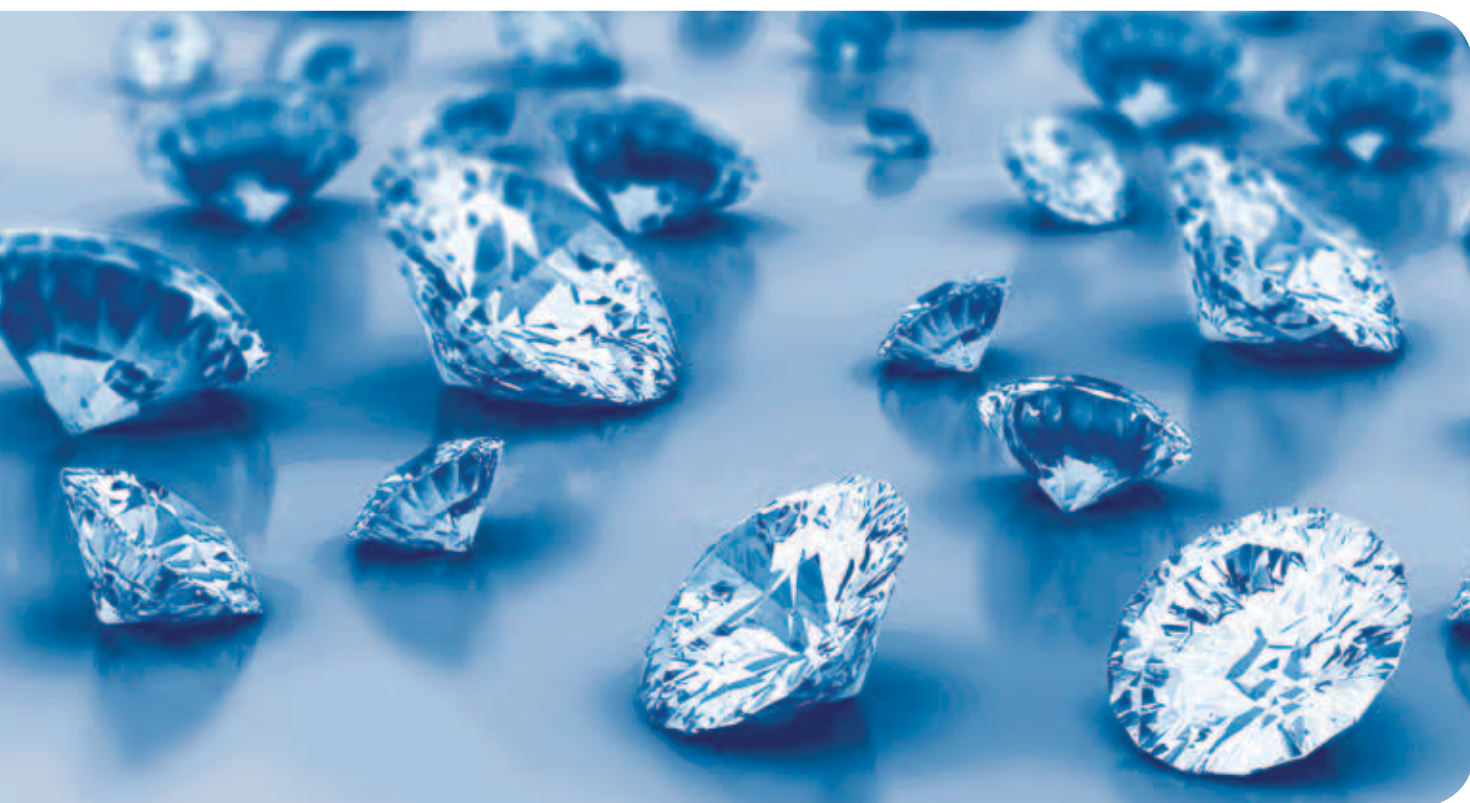
In order to create and deliver sustainable business value to our OEM customers, LRE Medical has created world-class integrated engineering and contract manufacturing. From manufacturing process development to final packaging, we offer solutions customized to meet each OEM customer's unique needs. LRE Medical's product focused work cells continuously deliver the highest quality products on a “just-in-time” basis as demonstrated by its last five years of manufacturing statistics:

- ❑ On-time delivery > 99%
- ❑ Out-of-Box Failures < 0.01%
- ❑ No product recalls from the field in 50+ years of manufacturing

Last but not least – After Sales “Life-Cycle” and Supporting Services

With the aim of increased OEM customer satisfaction and loyalty, LRE Medical provides all of the services required in the “Life-Cycle” support of its products to continuously improve reliability and drive down manufacturing costs.

- ❑ Service and Repair
- ❑ Product support and improvement
- ❑ Product portfolio development (first and next generation)
- LRE Medical also offers a wide range of supporting services:
- ❑ Procurement
- ❑ Change control
- ❑ Packaging, Kitting, and Order Fulfillment



What you **NEED** is what you get

LRE Medical consistently and successfully integrates its OEM customers' assay "know-how" with LRE Medical's instrumentation expertise. In doing so we are committed to improved product quality, increased reliability and performance, reduced overall program and product costs and shortened time to market for your product.

Benefit from our 50+ Years of product **EXPERIENCE**

LRE Medical's core competencies

LRE Medical expertly and efficiently provides its OEMs with full turnkey projects involving a complete bouquet of services from feasibility to after sales support involving the following technologies:

- ❑ IVD instrumentation
- ❑ Optical measurement
- ❑ Electrochemical measurement and other measurement technologies
- ❑ Liquid handling robotics and variable temperature control

Handheld Devices

LRE Medical uses proven and reliable modular platform designs that can be easily adapted to the requirements of both biosensors and optical analyzable strips. LRE Medical is able to customize an instrument to a customer's specific needs in a shorter time, with lower engineering costs, and competitively priced unit costs. LRE Medical's OEM Handheld Products are most often:

- ❑ Convenient pocket sized devices
- ❑ Single analyte testing devices (e.g., glucose, hemoglobin, cholesterol, etc.)
- ❑ Designed for "ultra low" power consumption utilizing battery power
- ❑ Used in medical diagnostics, food and beverage testing, agriculture and environmental testing, and biodefense testing

Point of Use Devices

Combining forces with a full-service IVD contract engineering and manufacturing partner such as LRE Medical, an OEM company can turn to a trusted outsourcing provider with engineers, chemists, physicists, and manufacturing specialists. LRE Medical provides creative and innovative solutions for wet and dry chemistry analysis. LRE Medical's years of experience, knowledge and technical abilities combine with its modularized instrument platforms to provide its OEM's with:

- ❑ Simultaneous detection of multiple analytes
- ❑ Quantitative, semi-quantitative or qualitative results
- ❑ Optical and electrochemical detection systems
- ❑ Products targeted for medical diagnostics, food and beverage testing, agriculture and environmental testing, and biodefense and forensic testing

Laboratory Instruments

LRE Medical provides innovative laboratory bench-top instrumentation solutions for applications involving:

- ❑ Clinical Chemistry
- ❑ Immunochemistry
- ❑ Hemostasis
- ❑ Microbiology and others





Esterline Corporation Sales and Application Engineering Offices

Rely on the **POWER** of a global presence

Over the last 50 years LRE Medical has developed and produced millions of high quality, competitively priced, user-friendly devices for companies all over the world. No matter where you are, no matter how big your company is – we are there when you need us.



Use the **FLEXIBILITY** of a committed partner

We know your business

Our industry has changed dramatically during the past 50 years and LRE Medical has remained successful, due to its ability to keep abreast or ahead of the rapidly evolving scientific technology. We have provided our customers with hundreds of successful instrument development programs and the manufacturing and delivery of millions of instruments for highly regulated environments – without a single recall!

Hence we are a recognized partner and able to make the difference in your business.

Know-how and experience anytime, anywhere

LRE Medical's multi-disciplinary product development teams consist of experienced professionals with commitment, expertise, competence and excellent communication and interpersonal skills. You can ask us for assistance at any point during a product's life cycle, and we will answer with creative ideas and expert market knowledge actively acquired over 50+ years.

Value for your company

Our employees continuously optimize product design and manufacturing processes to improve quality and reduce overall program and product costs. Consequently, LRE Medical can offer high-quality and cost effective products with "ONE" Partnership – just-in-time!

Comprehensive testing – only the best products survive

Our development to manufacturing processes are divided into phases and the product of each phase is verified, tested and approved before advancing to the next level. As a result, we are able to deliver innovative products quicker, cheaper, and with superior performance, quality and reliability – a great economical benefit for our customer!

Financial strength and global presence

As a subsidiary of Esterline Corporation (NYSE: ESL) – a multi-billion corporation with employees and manufacturing facilities worldwide – we benefit from its financial strength and global presence providing the reliability you expect from a forward-looking partner.

Quality standards and certificates

LRE Medical is FDA registered and accredited as a Japanese Foreign Manufacturer. We develop and manufacture analytical devices to the highest technical demands of our OEM customers in compliance with FDA requirements for Class I through Class III medical devices and certified with ISO 9001:2008 and ISO 13485:2009. Structuring and observing the processes and documentation required in these directives has provided for our conformance to legal requirements as well as our efficient and "on schedule" development and manufacturing.



"We help customers compete with maximum effectiveness –
measured in technology, measured in time, and measured in value."

Headquarters and Manufacturing

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