



SMART SILICONE SOLUTIONS

ELMET [®]
SMART SILICONE SOLUTIONS

MOLDS.
DOSING TECHNOLOGY.
PART PRODUCTION.
JOBS.

OUR PHILOSOPHY

OUR MISSION

Molds.
Dosing technology.
Part production.
Jobs.

ELMET inspires with
smart silicone solutions!

OUR VISION

ELMET is held in high
esteem worldwide as an
employer and producer.

SUCCESS FUTURE TRUST

OUR VALUES

Diversity
Competence
Innovation
Flexibility
Community
Responsibility
Reliability
Inspiration
Perseverance

OUR MOTTO

ELMET
smart
silicone
solutions





OUR COMPANY

As an internationally active, high-end full system & service supplier specializing in the processing and dosing of liquid silicone, ELMET ranks as one of the absolute experts in this field.

ELMET is a global player in the production of high-quality silicone and multi-component moldings.

The company has been finding the best and most individual solutions for its customers for more than 25 years.

WE HAVE BEEN INSPIRING SINCE 1996

More than 25 years of know-how

ELMET was founded in 1996 by Kurt Manigatter, Christian Reslhuber, Karl Adlesgruber and Paul Fattinger. Within a short time, the innovative team turned the company into an internationally successful machine and moldmaker with a focus on the development and production of high-quality equipment for the fully automated production of silicone parts.

Just a few months later, ELMET applied for its first significant patent. In 1998, the company already had 16 employees before moving to its new home in Offering in 2000. With the market launch of the ELMET dosing system with patented control system, the final breakthrough to becoming a global player in LSR dosing technology was achieved in 2003.

Quality as the key to success

A key recipe for success at ELMET is continuous quality management. High standards such as ISO 9001:2015 or IATF 16949:2016, reliable processes and a strong team have been the basis for success at ELMET until today.

In 2008, the company's workforce passed the 100 mark. Today, ELMET has around 200 employees at locations in Austria, the USA, Taiwan and Japan. 95 percent of all our products are exported to customers on every continent. We are continuing to pursue this successful path. With further innovations, sustainable growth and new products.



WHAT WE OFFER



ELMET IS A
FULL SYSTEM &
SERVICE SUPPLIER.

From high-precision molds to dosing systems and cold runner technologies developed in-house, ELMET supplies all the solutions from its own production.

KNOW-HOW IN THE PERFECT LINKING OF SYSTEMS AND THE DIRECT QUALITY ASSURANCE OF MOLDS AND PROCESSES GUARANTEE A RELIABLE, HIGH LEVEL OF QUALITY.

EXCLUSIVE KNOW-HOW IN IMPLEMENTATION

ELMET designs, builds and optimizes all the molds at its Austrian site in Oftering. Process development, including rheological and thermal simulation of the mold, also takes place at ELMET. Combined with many years of experience in automation, ELMET is the perfect partner for the implementation of automated turnkey systems.

SUSTAINABLE & INDIVIDUAL

Production on machines and systems from ELMET conserves resources, saves material, results in minimum flash and is waste-free. With perfectly optimized cycle times and up to 256 cavities, the molds ensure the highest possible efficiency.

At the same time, ELMET ensures the perfect coordination of the production flow. From the development of the injection moldings and the implementation of the turnkey system through to the production of the injection moldings, quality assurance and packaging, ELMET ensures the complete interlinking of all the processes.

ELMET processes liquid silicone (LSR), solid silicone (HTV or HCR), silicone-silicone and silicone-thermoplastic as 2-component injection moldings as well as silicone on metal.

INNOVATIVE MATERIALS

Silicone is extremely heat-resistant, UV-resistant, flexible at low temperatures, free of allergens, dermatologically tolerable, biocompatible, temper-free, and offers low compression set.

SMART SILICONE SOLUTIONS



THE POTENTIAL APPLICATIONS OF SILICONE ARE PRACTICALLY INFINITE THANKS TO THE PROPERTIES OF THE MATERIAL.

Every year, several billion parts for everyday products are produced on ELMET systems. Silicone has an unmistakable property profile and hardly any other material combines so many positive attributes.

- Outstanding low-temperature flexibility and high-temperature resistance
- Excellent compression set
- High resistance to chemicals and environmental influences
- Water-repellent surface
- High transparency that can be colored with pigments as desired
- Good mechanical properties
- Good flame resistance, non-toxic combustion products in the event of fire
- Easy to process
- Formulations from electrically insulating to semi-conductive
- Good radiation resistance
- Biocompatible
- Allergen-free
- Abrasion resistant
- Excellent elasticity and impact resistance
- Neutral taste and odor



MOBILITY

e.g. mat seals • single-core seals • radial seals • axial seals • O-rings • insulating protective sleeves for spark plugs • damping pads • bellows • transparent components and optical lenses

HEALTH CARE

e.g. membranes • hoses • baby and bottle teats • breastfeeding aids • drinking cups • respiratory masks • respiratory accessories • flow-through valves • syringe plungers • duckbill valves • needle-free valves • micro applications • protective masks • damping elements • cosmetic accessories (brushes, scrapers, etc.) • dental equipment and dental sticks

INDUSTRIAL & ELECTRONICS

e.g. valves and pressure membranes • sealing components for electronic parts • high-frequency technology • vibration and oscillation dampers • parts for consumer electronics (buttons, acoustic parts, housing elements)

HOUSEHOLD & FOOD

e.g. shower heads & sealing accessories • components for hinge systems • dosing membranes for foods and liquids (e.g. ketchup bottles) • baking forms • baking utensils (cooking spoons, dough spatulas) • seals for kitchen appliances • control elements • functional parts

LIQUID INJECTION MOLDING



ELMET IS A FULL SYSTEM & SERVICE SUPPLIER.

All the relevant elements for LIM production cells are developed and produced in Austria. The highest quality and compliance with the strictest guidelines can thus be guaranteed.

The many reliable individual components from ELMET form the basis for complete ELMET turnkey production systems. Molds, dosing system and various other components combine to form a perfectly coordinated overall system.

COLD RUNNER TECHNOLOGY MOLDS

LIM PERIPHERY

**DOSING TECHNOLOGY
INCL. PROCESSING UNIT AND ADDITIVE LINES**



OUR LOCATIONS



HEADQUARTERS AUSTRIA
**ELMET Elastomere Produktions-
und Dienstleistungs GmbH**
Tulpenstraße 21, 4064 Oftring

USA
ELMET NORTH AMERICA INC.
712 Terminal Road, Lansing, MI 48906

TAIWAN
ELMET GREATER CHINA
No. 20, Renxiang St., Dali Dist.,
Taichung City

JAPAN
ELMET JAPAN
3-902-4, Yashirogacka, Meito-ku,
Nagoya-shi, Aichi-ken 4650051

HIGH QUALITY – MADE IN AUSTRIA

Development, production and delivery take place at the headquarters in Oftring near Linz. Our subsidiaries in the USA, Japan and Taiwan ensure the perfect proximity to the customer. Our customers can depend on this combination of Austrian quality and global expertise.

SMART SILICONE SOLUTIONS



ELMET INSPIRES WITH
SMART SILICONE SOLUTIONS.

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