Leading by intelligent bonding technology
“We love technology, and we’re proud that our special high-tech adhesives and individual service help our customers in developing their own innovations.

As a family-owned company with almost 800 employees, we can quickly create efficient and economical solutions that are precisely configured for the customer’s needs.

It’s very rewarding to work with our highly motivated team, and see their performance reflected in the performance of our company.”
DELO® Industrial Adhesives is an internationally successful specialist in the field of high-tech adhesive processes for technical applications. Our products are used in growing markets, such as electronics and microelectronics, RFID, automotive, photovoltaics, and mechanical engineering. As a leading supplier of industrial adhesives, DELO® has had double-digit growth for years.

Thanks to our expertise, commitment, and experience – for over 50 years, customers have relied on fast, dependable solutions from DELO®.

Awarded as a “Great Place to Work” and “Fair Company”, DELO® is a company with a promising future – especially for young graduates and apprentices.
DELO® focuses on future markets and tailors its product range and company structure to the steady changes. This is how DELO® opens up forward-looking industries and is their technology leader.

About 30 percent of our annual sales is gained from products which we have newly developed during the past three years. The company invests 15 percent of sales revenues in research and development of adhesives and associated technology.
Device development and production at DELO®/Windach
Achieve your goals with DELO®’s turnkey solutions

Adhesives

DELO® adhesives stand out from competitive products thanks to their functions and reliability. Individual additional features make them particularly suitable for industrial production with short cycle times and joining of tiny components.

Dispensing units

DELO-DOT® PN3

The new microdispensing jet valve sets new standards in terms of service life, application area, and user friendliness. Its unique design provides a service life of 1 billion cycles.

Light-curing adhesive – precisely dispensed without bubbles using DELO-DOT® PN3 and DELO® FLEXCAP®, quickly cured with DELOLUX® 80
Achieve your goals with DELO®’s turnkey solutions

Curing lamps

DELOLUX®
For every light-curing DELO® adhesive and every irradiation geometry, DELO® can supply the right LED curing lamp. The high-quality lamps “Made in Germany” are energy-efficient and durable.

ADHESIVES

UV- and light-curing adhesives
- Fast curing in seconds
- Process controllable by light impulse

Heat-curing adhesives
- Tailored properties
- High durability

Dual-curing adhesives
- Reliable process thanks to combined curing mechanisms

2C adhesives
- Multi-purpose for casting and structural bonding

Anaerobic-curing adhesives
- For high-strength, durable metal bonds

DISPENSING SYSTEMS

Valves
Control systems

CURING LAMPS FOR LIGHT-CURING ADHESIVES

LED and discharge lamps
- Spot and area lamps

TRAINING AND SEMINARS

Bonding seminars
- Theoretic training
- 1 day, external

In-house training courses
- Specific topics
- 1–2 days, at the customer’s

Basic training courses
- Theory and practice
- 2 days, at DELO®

Training for EU Adhesive Bonder
- In cooperation with independent training institutes (IFAM, TC-Kleben)
- Certified, recognized throughout the EU
DELO® paves the way to your success

Idea
- Defining of the adhesive requirements together with the customer
- Determination of process specifications

Design
- Analysis of the adhesive characteristics in relation to requirement profile and quality
- Tests in DELO®’s lab
- Adhesive samples for customers

Prototype
- Functional tests on the prototype
- Tests under operating conditions by the customer
- Fast on-site support
DELO® advises its customers in the product development phase, supports them with the integration of products in their manufacturing process, and accompanies production whenever required.

**Introduction**
- Joint determination of specifications based on the prototype phase
- On-site process consulting and attendance of SOP
- Adhesive training for customer staff

**Production**
- Ongoing intensive customer support during production
- Process finetuning where necessary
- Support of quality assurance

**Ongoing support**
- Global support
- Updating of the processes
- Rationalization projects
- Application-specific staff training
Based on our extensive experience in intelligent adhesive technology, we offer efficient solutions for a host of industries.

With our comprehensive expertise, we are a leading authority in our strategic business areas.

**Consumer electronics**
Bonding of cameras, miniloudspeakers, MEMS

**Electronics/microelectronics**
From display bonding and affixing components to highly reliable sensor casting

**Smart cards/smart labels**
Electrical contacting of flip-chips and chip encapsulation for wirebond applications

**Electrical engineering**
Bonding of housings and magnets for electric motors

**Automotive**
Heat-resistant bondings in the engine compartment, sealing and casting of switches and relays

**Mechanical engineering**
Structural metal bonding for various applications and requirements
**Electronics**
Bonding of sensors and cameras

**Smart cards / smart labels**
Flip-chip bonding and embedding of smart card modules

**Consumer electronics**
Bonding of camera modules and miniloudspeakers

**Electrical engineering**
Bonding of a steel stator to an aluminum housing

**Automotive**
Bonding of upper and lower intake manifold shells

**Mechanical engineering**
Bonding of cogwheels to gear shafts
The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this. It is the customer’s responsibility to test the suitability of a product for the intended purpose by considering all specific requirements and by applying standards the customer deems suitable (e.g., DIN 2304-1). Type, physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions. The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose. Nothing contained herein shall be construed to indicate the non-existence of any relevant patents or to constitute a permission, encouragement or recommendation to practice any development covered by any patents, without permission of the owner of this patent. All products provided by DELO® are subject to DELO®’s General Terms of Business. Verbal ancillary agreements are deemed not to exist.

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