



ADVANCED SERVICE

PRACTICAL. RELIABLE. TIGHT.

Sealing takes more than a good product.
Our Advanced Service closes the gap.

**THE SMART
GASKETEERS**

IDT-GASKETS.COM

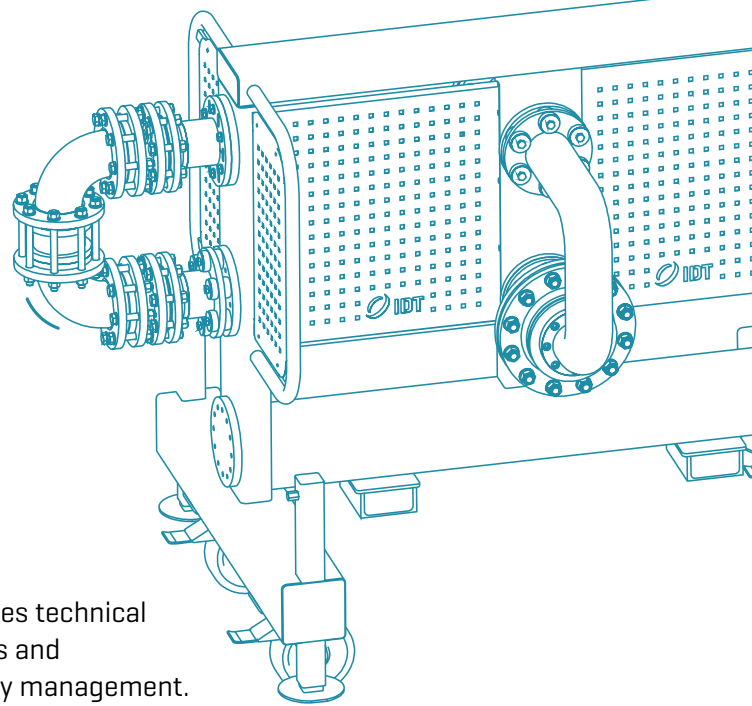




TAR SERVICE

TRAINING. QUALIFICATION. FLANGE INTEGRITY MANAGEMENT.

Our team of more than a dozen Smart Gasketeers combines technical expertise and hands-on experience to secure turnarounds and shutdowns—delivering measurable quality in joint integrity management.



TESTING COMPETENCIES—FLANGE.PILOT

The IDT flange.pilot is not a training, but a practical skills test for assembly personnel. Under realistic conditions, we test assembly skills, procedures, and understanding of regulations—directly before deployment.

The assessment is based on a project-specific scheme and provides a reliable basis for the safe deployment of assembly personnel in the turnaround.

FRAMEWORK CONDITIONS

- Location: on-site
- Test stand: max. 6 people per test stand
- Scalability: multiple test stations possible in parallel
- Duration: approx. 1–2 hours per run
- Throughput: up to 24 people per test station per day
- Test personnel: 2 testers per test bench

EVALUATION & RESULTS

- Evaluation scheme according to customer requirements
- Simple confirmation of participation / helmet sticker
- No certification

VALIDITY

- It is recommended to re-test qualification checks after one year

ENSURING QUALITY—QS.PILOT

When things get critical, our IDT service team is on site. Our experienced specialists check and secure flange connections directly during turnaround—in a structured, reliable, and documented manner.

With qs.Pilot, we digitally record assembly, material usage, and test results. This provides clear results and a basis for decision-making—even during ongoing projects. No two turnarounds are the same. We develop a service and quality assurance concept that fits your processes.



MOBILE WAREHOUSE. ON-SITE SERVICE.

Time and resources are scarce during major shutdowns. With our mobile gasket warehouse and production workshop, we ensure that the necessary materials are available at all times—even in the event of additional or emergency requirements.

From storage and distribution to mobile production on site, we take care of all material logistics. This takes the pressure off your team and keeps the project on track.



ENGINEERING & TESTING

DEFINE PRODUCTS. SECURE CONNECTIONS. MANAGE RISKS.

Good engineering starts with solid data. We test, calculate, and design seal and , flange connections—for verified performance and reliable operation.

GASKET TESTING & CHARACTERISTIC VALUE DETERMINATION

We use a TEMES multifunctional test rig to test gaskets under realistic operating conditions according to national and international standards. With the goal to determine reliable characteristic values and sealing behavior in real flange connections—as a basis for selection, verification, and product responsibility.

TEST SERVICES

- Characteristic value determination for gaskets
- Material and functional tests [compression, compressive creep, creep, relaxation, and leakage tests]
- Component tests in real flange connections

STANDARDS & GUIDELINES

DIN EN 13555, ASTM F2836 [ROTT], ASTM WK61856 [HOBT], and individual tests

CALCULATION & DESIGN OF FLANGE CONNECTIONS

Based on tested characteristic values, we support the calculation and design of flange connections and pipe classes —for safe installation, defined bolting forces, and reliable plant operation.

- Calculation according to DIN EN 1591-1 and KTA 3211.2
- Strength and tightness verification
- Design of standard and special constructions

TESTING & QUALIFICATION OF COMPONENTS

VALVES

We use a TEMES valves test rig to test the tightness and functionality of shaft seals and housing gaskets in valves under realistic operating conditions. Focused on friction force during shaft movements and the sealing behavior of all sealing elements.

TESTING OPTIONS

- Classification of shut-off and control valves
- Leakage tests
- Friction tests

STANDARDS & GUIDELINES

DIN EN ISO 15848-1 & -2, VDI 2440, API 624, and individual tests

PACKINGS

The TEMES packing module enables the targeted determination of deformation and sealing properties of gland packings—as a basis for selection, design, and product responsibility.

TESTING OPTIONS

- Determination of compression and deformation characteristics
- Determination of coefficients of friction

STANDARDS & GUIDELINES

DIN EN ISO 15848-1, VDI 2440, API 622, and individual tests

IDT ACADEMY

BUILD COMPETENCE. PREVENT FAILURES. CREATE SAFETY.

Leaks don't happen by chance. Gaps in product knowledge, material assessment, and assembly are the most common culprits. At the IDT Academy, we address exactly that—from material science and regulatory frameworks to compliant practice.

CERTIFIED TRAINING

Our TÜV-certified flange assembly training course in accordance with DIN EN 1591-4:2013-12 lays the foundation for safe and compliant assembly. Incorrect assembled gasket connections are among the most common causes of leaks—with significant consequences such as explosion risks, environmental pollution, and production downtime.

Assembly expertise is non-negotiable. We use standard-compliant training and examination materials to thoroughly prepare participants in theory and practice. After successfully completing the qualification, they receive a certificate in accordance with DIN EN 1591-4 and have the opportunity to take additional modules.

TARGET GROUPS

- Fitters
- Supervisors and engineers
- Technical management in pressurized plant operation

INDIVIDUAL TRAINING

We deliver technical sealing expertise through focused, practice-oriented training. Precisely tailored to your needs.

Whether plant designers, engineers, technical purchasers, workshop managers, foremen, or QA staff:

We address different roles in a targeted and practical manner. Based on modular building blocks or specific questions, we work together to develop a tailor-made training concept.



ANNABERG-BUCHHOLZ

+49 [0]3733 505-0
annaberg@idt-dichtungen.de

TARRAGONA

+34 977475653
tarragona@idt-juntas.com

ESSEN

+49 [0]201 85511-0
essen@idt-dichtungen.de

SHANGHAI

+86 1381 7077710
shanghai@idt-gaskets.com

MUNICH

+49 [0]89 991883-0
muenchen@idt-dichtungen.de