

TECHNOLOGY THAT BONDS

Mixing and dispensing technology for adhesives and sealants

t-s-i.de is a family-owned German manufacturer of modular mixing and dispensing systems for industrial adhesives and sealants. Founded in 1998 and now led by the second generation, the company builds systems from manual workstations to fully automated robot and gantry solutions - engineered, built, and supported in Germany.

2,500+

SYSTEMS INSTALLED

25+

YEARS OF EXPERIENCE

50+

COUNTRIES WITH
INSTALLED SYSTEMS

100%

DEVELOPED AND
MANUFACTURED IN
GERMANY

OUR FLAGSHIP

mastermix gear drive

Continuous and repeatable 2K metering with servo-driven gear pumps. Both components are supplied from their original containers, metered by servo-driven gear pumps, combined at the 2K material valve and mixed in a static mixer.

Mixing ratio	1:1 to 100:2
Material flow	Continuous, virtually pulsation-free, volume-controlled
Integration	Manual application or semi- and fully automated processes
Control / electrics	Siemens S7-1500 control and Siemens servo motors
Material types	Silicones, polyurethanes, MS polymers, epoxy resins, polysulfides, methacrylates (MMA), and booster systems



mastermix gear drive — 2K gear metering system

HOW THE TECHNOLOGY WORKS

STEP 1

Material feed

Piston pumps, driven by pneumatic cylinders, supply both components directly from the original containers.



STEP 2

Precision metering

Servo-driven gear pumps meter continuously at a controlled volumetric flow.



OPTIONAL

Flow monitoring

Sensors continuously check material flow, mixing ratio and dispense volume.



STEP 3

Application

The components are combined at the 2K material valve and mixed in a static mixer.

TRUSTED BY MANUFACTURERS WORLDWIDE



DAIMLER
TRUCK
Daimler Buses



U.S. EQUIPMENT PARTNERS

TBN identifies and qualifies selected partners and coordinates initial discussions. Engineering, pricing, and final proposals remain with t-s-i.de.

Add a proven German-engineered alternative to established U.S. systems. A t-s-i.de partnership can extend your equipment portfolio and create follow-on revenue from consumables, wear and spare parts, and service.

01 DIFFERENTIATED PORTFOLIO

02 RECURRING PARTS POTENTIAL

03 ADDITIONAL SERVICE BUSINESS

HOW PARTNERSHIP WORKS

1 Intro call

Market, customers, and partner fit.

2 NDA & territory discussion

Scope and technical evaluation.

3 Direct proposal by t-s-i.de

Configuration and commercial proposal.



Thomas Schwartz | The Bonding Network LLC
+1 (561) 726-5960 | schwartz@thebondingnetwork.com | www.thebondingnetwork.com

t-s-i.de Misch- und Dosiertechnik GmbH
Waldmohr, Germany | www.t-s-i.de