



**GETZNER**  
THE GOOD VIBRATIONS COMPANY





# WELCOME TO GETZNER, THE GOOD VIBRATIONS COMPANY


## “GOOD VIBRATIONS” MADE BY GETZNER

Getzner Werkstoffe GmbH is a specialist in vibration isolation for railway, construction and industrial applications. The strengths of our company rest on two pillars: our values and our vision. A belief in quality and partnership defines the traditional values of Getzner. Visionary approaches are promoted and implemented with exceptional commitment. This makes it possible for Getzner to consistently set new standards: standards that improve the safety, service life and comfort of railways as well as the quality of life in new and old buildings and the quality of industrial products.

Getzner spreads “good vibrations” through its technological advances as a market leader in the area of vibration isolation and also through relationships with its customers, partners, employees and the public.

Great potential exists in protection of the environment and protection against vibrations in the railway, construction and industry sectors. Getzner works daily on new solutions to help improve the quality of life for all people. Our company philosophy is reflected in conscious use of resources, sustainable processes and a certified environmental management system.





on the same  
wavelength.



# OUR KNOW-HOW FOR EFFECTIVE SOLUTIONS

## GETZNER IS A SOLUTION DEVELOPER, MANUFACTURER AND COMPETENT CONSULTANT

It all started with the search for solutions to vibration problems. The market has shown us that our approach in the development of solutions for rail lines and supports for machines, foundations and buildings is correct. We are currently in a position to develop products and materials on a customer-specific basis and manufacture them in series production. This is made possible by the definition of technical vibration solutions with the aid of computational algorithms.

Our customers appreciate that we work closely with them to implement visions and that we bring over 40 years of experience to their projects. We are fully integrated into the work process, including system development and the definition of parameters. Specialists from the fields of physics, acoustics, construction, mechanical engineering, plastics, chemistry, production and process technology work to implement challenging customer requirements on a daily basis.

Our know-how allows us to offer our customers services such as: solution development, calculation and simulation, effectiveness predictions and verifications, vibration measurements, material tests and measurements on our own large test bench. We also offer the development of materials and products according to customer specifications as well as support in the installation of our products, on-site training or the creation of installation plans.





finding solutions  
together.



# PRODUCTS AND SERVICES

## SUCCESS RESONATES

For roughly forty years, we have manufactured foamed polyurethane materials for vibration damping. These decades of experience make it possible for us to offer our customers not only intelligent, high-tech materials but also comprehensive consulting services and system solutions.

The Sylomer® and Sylodyn® materials are products of our own development efforts. They have optimal vibration isolation properties. We produce the continuously cast polyurethane mats on systems of our own design at our plant in Bürs (A). We also produce various shaped parts and assemble or connect polyurethane with other materials. Getzner is the only company in the world to offer all three of these services as a single-source provider.

Getzner Werkstoffe has the capability to produce technically mature and well documented products of consistent quality. Customers appreciate our exceptional innovation and the high technical competence of our employees in identifying solutions.





A photograph of three business professionals in a laboratory or office setting. A man in a white shirt and brown tie is pointing towards the right, holding a yellow document. To his left is an older man in a dark suit and striped tie. To his right is a woman in a dark blazer and white shirt, also holding a document. The background shows laboratory equipment. The image is overlaid with a pattern of concentric white circles.

services  
to get excited about.



A woman with short reddish-brown hair, wearing an orange button-down shirt, is seated at a table in a train. She is focused on playing cards, with her hands positioned over a deck. The background is a blurred landscape of green fields and a blue sky, suggesting high speed. The image is overlaid with a pattern of concentric white circles.

300 km/h.  
frankfurt - cologne.



## THE RAIL SECTOR

### ON QUIET PADS

From high-speed trains to freight trains and local transport, railways are increasingly encroaching in on our living spaces, and are also frequently transmitting undesirable vibrations into the surrounding environment. These vibrations are perceived as building vibrations or secondary air-borne noise and can be a source of irritation for residents.

Our materials Sylomer® and Sylodyn® reduce this irritation significantly. Getzner pursues more than just increased comfort with its sub-ballast mats, undersleeper pads, highly elastic rail pads, base-plate pads and supports for mass-spring systems. Our systems help preserve the superstructure, lengthen the service life of all track components and improve the quality of the track geometry.



berlin. ritz-carlton hotel.  
potsdamer platz.  
subway every 5 minutes.





## THE CONSTRUCTION SECTOR

### PEACE AND QUIET

Noise and vibration are stress factors. Footsteps, discotheques in the building, neighboring industrial operations or nearby railway lines are just a few sources of irritation. In some cases, decoupling of vibrations is essential to making a building at all useable. Use of our solutions and materials improves quality of life as well as the value and functionality of buildings.

Providing elastic support for vibration-producing machines and machine foundations as well as floor systems within buildings is standard procedure today. The principle of elastic decoupling has been an accepted practice for some time.



A person wearing a blue and black cycling jersey is riding a black mountain bike up a wide set of stone steps. The background is a large, multi-story brick building with Gothic-style arched windows and doorways. The image has a motion blur effect, particularly on the bike's front fork and the rider's arms, suggesting movement. A series of thin, white concentric circles are overlaid on the image, centered around the text.

138 steps.  
a good feeling.





## THE INDUSTRIAL SECTOR

### ELASTICITY IS EVERYWHERE

Shock absorbers for bicycle seats, stop rings in automobile power brakes, elastic coatings for transport rollers, toothed belt coatings for conveying sensitive articles and decoupling of vibrations on drill grips are only a few examples of the use of Sylomer® in the industrial sector.

Properties such as a strong spring or damping effect, excellent recovery forces, long service life and flexible shaping make Sylomer® and Sylodyn® attractive design materials. Our competent development engineers work with you to create unique products.

# FIGURES, DATA, FACTS, INTERNATIONAL PROJECTS

## FOUNDING

In 1969, as a subsidiary of Getzner, Mutter & Cie

## THE COMPANY

Getzner specialises in solutions for reducing vibrations in the areas of railway superstructures, building foundations and industry. Our core competence is the development and manufacture of high-tech materials and products of foamed polyurethane elastomers for vibration isolation.

## MAIN PRODUCTS

Manufacture of single- and multi-layer elastomer mats and shaped parts. Materials: registered trademarks Sylomer® and Sylodyn®.

## SPECIAL FEATURES

Customer-specific solution development with technical vibration calculations and competent advice. A strong focus on research and development. Efficient production of continuously cast polyurethane mats, shaped parts, material assembly, connection of polyurethane with other materials.

## APPLICATIONS

Elastic supports for mass-spring systems, sub-ballast mats, sleeper pads, rail pads and baseplate pads, elastic supports for buildings, foundation slabs, stairs, machines and machine foundations

## EMPLOYEES

150 at the Bürs (A) production site, 60 more in other countries (2008)

## MANAGING DIRECTOR

Dr. Roland Pfefferkorn

## ANNUAL SALES

EUR 45 million (2007)

## INTERNATIONAL PROJECTS

### Rail (excerpt)

#### STANDARD-GAUGE:

- West rail line Bregenz - Vienna
- HGV Hannover - Würzburg
- Madrid - Barcelona
- HSL Zuid, Netherlands
- Seoul - Pusan, Korea
- NEAT: Lötschberg Tunnel, Zimmerberg Tunnel
- Oresund Link
- Wuhan - Guangzhou, China
- Tiergarten Tunnel, Berlin North-South

LOCAL RAIL TRANSPORT: Athens, Augsburg, Bangkok, Barcelona, Bern, Budapest, Grenoble, Linz, London, New Delhi, New York, Nice, Paris - St. Denis, Prague, Tenerife, Vienna

### Construction and industry (excerpt)

- Riverside Project, N.Y.
- Beisheim Center Ritz-Carlton, Berlin
- Biogen Institute - MIT Boston
- Casino and hotel, Jerusalem
- National Training Centre, Tokyo
- Lufthansa Headquarters, Frankfurt
- Kirloskar Oil Engines, Kagal, India
- EADS site, Manching
- Kahoku Shimo, Sendai, Japan
- CCPP Deir Ali, Syria
- Teatre Nacional de Catalunya, Barcelona
- Opera house, Oslo
- Drachenzentrum, Zurich
- Skyline, Vienna



solution partner.  
with an eye for the big picture.  
worldwide.

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