

S. Bleyer GmbH

**Thinking Laterally and Ahead,
Daring to Innovate**



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Introduction

Dear Reader,

the aim of this brochure is to present to you the firm of S. Bleyer GmbH. In this company profile, we focus in particular on the special social atmosphere within our workforce as a key to our success.

If you would like to receive further information about our products and functionally optimised solutions, or about our new eco-friendly production building, please send us a request for the respective brochures.



Stefan Bleyer uses an eco-friendly block unit heating power plant for heating.

Further information about S. Bleyer GmbH, its products and the eco-friendly construction of the new production building can also be found on the Internet at: www.s-bleyer-gmbh.de

Stefan Bleyer
Managing Director

Schorndorf, April 2006



The new production building was designed to meet high standards of eco-friendliness.

Employees

Stefan Bleyer employs only highly skilled personnel. With four master tradesmen, four journeymen and five apprentices, the level of skill is extremely high. It is this technical expertise of the workforce that enables S. Bleyer GmbH to provide metal processing in every variation.

Stefan Bleyer also trains his employees in social skills, which is why communication with customers comes easily to them. Since S. Bleyer GmbH is a very service-oriented company, good contacts with customers is especially important.

The very high level of expertise within the workforce enables overlapping teams to be formed for specific projects. This flexibility without rigid hierarchies, plus distribution of competencies among many individuals, makes Bleyer superior to potential competitors in the market.



Training at S. Bleyer GmbH includes special mechanical skills.

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Bleyer engineers custom solutions in steel and stainless steel to meet the wishes of customers. Other components, such as paint finishing and electrical connections, are also included in the service. During a preliminary meeting on site, customers describe the particular problem they face. Bleyer personnel record the data and details, then return to the workshop and their CAD workstations to design single workpieces or small series as complete solutions. At S. Bleyer GmbH, all efforts are centred on customers and their need for specific functionalities and professional solutions.

Material: Metal

S. Bleyer GmbH is not confined to specific types of product. Metal as a material is the central basis for solutions and functional optimisation 'made by Bleyer'. There are practically no competitors who can combine a command of the entire range of metal processing (steel, special steel, sheet metal, aluminium) with the ability to engineer complex solutions.

Care of the Environment

At S. Bleyer GmbH, protecting the environment has a major role to play. The new production building was built according to stringent criteria defined by Greenpeace: no PVC, no tropical timber, no CFCs, excellent thermal insulation. The company was praised for its 'outstanding achievements' in the 2004 Environment Awards organised by the state of Baden-Württemberg.



Cables are connected to a monitoring system by employees of S. Bleyer GmbH.

Testimonials

In the years since starting the company, Stefan Bleyer has proved time and again that he is able to win big-name car manufacturers like DaimlerChrysler, Audi and Porsche as customers. S. Bleyer GmbH supplies professional product solutions that go far beyond the level achieved by 'tinkerers'. Stefan Bleyer demonstrates the functional optimisation capabilities of his company in presentations to potential new customers, showing how solutions are devised as well as examples of resultant products. The wishes and needs of customers are always the key focus.



Functional optimisations are designed by a metal construction foreman at a computer.

Chronology

- 1991 Stefan Bleyer, originally trained as a houseparent and youth worker, sees a smith working at an open fire in a forge, and spontaneously decides to train as a smith.
- 1995 In 1995 he gains his Meister ('master tradesman') qualification.
- 1996 Stefan Bleyer starts his own business. His firm, 'Stefan Bleyer Metallgestaltung und plastisches Schmieden' is located in a garage in Schorndorf.
- 1997 Smithery is well in demand and the long-term order situation is good. Stefan Bleyer moves into rented workshops in Fichtenberg.
- 1998 In addition to forge crafts, Stefan Bleyer also produces customised products for the car industry. His company now has three employees on the payroll.
- 1999 Business is booming. The company moves into two buildings in Stetten i.R. and in April is renamed 'Stefan Bleyer GmbH', a private limited company.
- 2001 The production buildings in Stetten are soon too cramped, so Stefan Bleyer plans a new production building in Schorndorf. The new building is intended to meet strict environmental criteria, with Greenpeace providing advice during construction.
- 2002 'Stefan Bleyer GmbH' moves into the new building in Schorndorf at the end of the year. An 18-strong workforce begins production in a new, eco-friendly setting.
- 2004 Stefan Bleyer receives an award for 'outstanding achievements' in environmental protection, in the context of the state of Baden-Württemberg Environment Awards.
- 2005 'Stefan Bleyer GmbH' is renamed 'S. Bleyer GmbH'.



Stainless steel is processed using arc welding techniques. Eye protection is a must.



Good office organisation is important – this is where all the threads run together.



This vehicle fixation variant is anchored to the test rig floor via a rail system. The position of the sliding anchors, so called, can be infinitely varied.



The monitor support is wedge-shaped in design so that it can fit between the windscreen and the raised engine bonnet. Hardware elements such as a VGA splitter can be integrated behind the flatscreen monitor, which can be quickly detached.



Two exhaust adapters are attached to the ends of the exhaust pipes. The distance between the two extraction pipes is variable. Connecting tubes absorb any vibrations.

Vehicle Fixation

Vehicle fixation using rods is an applications-based product developed by S. Bleyer GmbH. Rods are attached to the vehicle's front and rear towing lugs. These rods fixate and stabilise the car without tension or play. Fixating the vehicle in this way greatly reduces dynamometer set-up time. As an alternative, S. Bleyer GmbH also offers wheel hub fixation, which is particularly useful in the case of heavy-duty vehicles.

All components can be combined with each other or retrofitted at any time to existing and older dynamometers.

Mobile Monitor System

The mobile monitor system is used in test rooms in the automobile industry. It enables a flatscreen monitor to be positioned anywhere in the test room via a rail system and a lifting rod. The monitor is then used, for example, to display readings or driving programs during test drives on dynamometers.

Remote control units and a trackball can also be mounted on the monitor support system. Instrument leads and supply lines made by other manufacturers can be integrated additionally. The range of travel of the mobile monitor system is designed to suit the size of the room and customer requirements.

Exhaust Adapter

Exhaust adapters connect a vehicle's exhaust pipe to the exhaust removal tube.

The adapters developed by S. Bleyer GmbH in collaboration with test bed operators are very easy to handle and require very few manual steps.

S. Bleyer GmbH produces special precision-made adapters conforming to certification requirements, including adapters for all Audi and Mercedes models. The adapters can be used at exhaust temperatures of up to 230 °C. Seals prevent air infiltration, so no errors in readings occur.



The solar panel can be tilted and rotated. This enables the optimal position relative to the sun to be set easily, depending on the place of installation.

Solar Street Lamp

An accumulator battery is charged during the day by a solar cell module; at night, the accumulator then supplies the energy for the street lamp.

S. Bleyer GmbH was commissioned by an electrical company to develop the solar street lamp for use in the Third World. One problem to be solved during development was that it must be possible for a single person to install and maintain the lamp with only a ladder as aid. The solar street lamp is designed as a modular system, making it very easy to upgrade to a larger solar cell module, for example.



An employee programs a CNC-controlled lathe with the data for a workpiece. This workpiece may be part of a prototype or a single workpiece, for example, that S. Bleyer GmbH is developing for an industrial customer.

Mechanical Workshop

S. Bleyer GmbH can respond to special customer wishes very quickly with one-off or custom-designed products. This is made possible by the mechanical workshop in which Stefan Bleyer operates several lathes and milling machines that are partially or fully CNC-controlled.

In this way, S. Bleyer GmbH is able to produce prototypes, single workpieces or small series for use in measurement technology, special mechanical engineering and other specialised fields. This development process can be totally tailored to the particular needs of customers. High-precision production is assured thanks to computer-controlled processing.




This CVS piping system connects the exhaust analysis system to the exhaust removal connectors in a dynamometer, as used in the automobile industry.

Plant Construction

S. Bleyer GmbH produces and installs the exhaust removal systems and associated instruments for quality control test beds and certification test beds, for example.

This includes CVS piping and all components associated with the dilution tunnel of engine test beds and roller dynamometers. In cooperation with the operator, S. Bleyer GmbH manages the entire plant engineering project, procures and/or produces all the necessary parts, and performs all installation work. For Stefan Bleyer, high-precision work and customer-specific adaptation are part and parcel of the product and service.



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