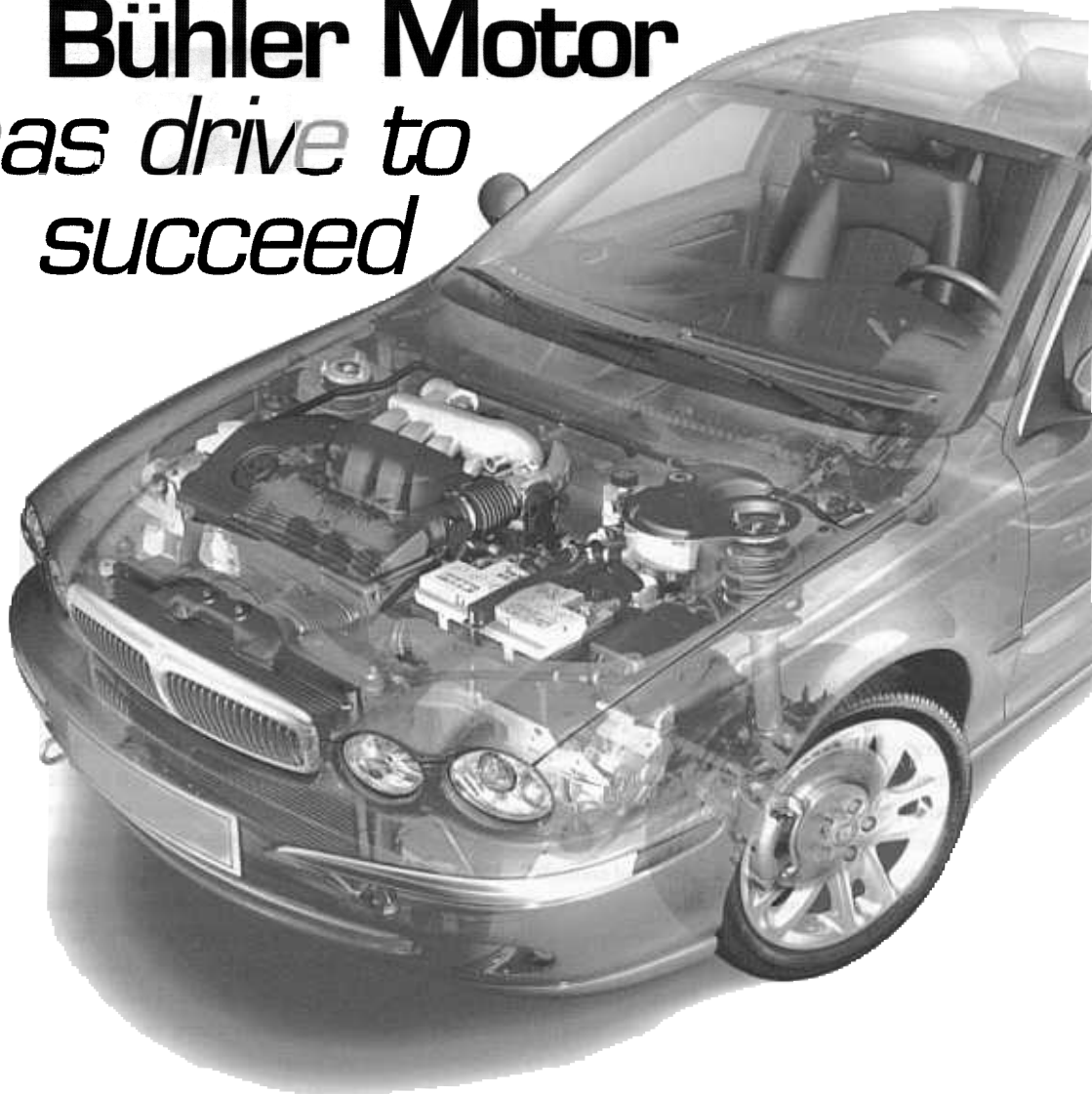


Bühler Motor

has drive to succeed



Bühler Motor is a globally operating enterprise which employs 1600 people worldwide. It develops and produces electromotor and mechatronic drive solutions and precision metal parts for special applications. Bühler's high-tech products can be found everywhere, for example in automotive applications, office communications, medicine technology and the aviation industry. The innovative products are manufactured in Europe, the US, Mexico and Asia and sold throughout the world.

Bühler Motor concentrates on developing and producing kinetic energy, which automates a certain sequence in technical appliances and their applications. Almost 150 years ago, the company was founded in the Black Forest of Germany, where it produced precision mechanical drives. However, for over 40 years, Bühler has been focused on the single goal of producing subfractional and fractional horsepower DC products to meet the changing needs of the world marketplace. To this end, it has created an infrastructure of facilities, personnel and processes

that give it an unparalleled ability to meet customer design and production needs.

But it does more than make exceptional motor products; it builds successful partnerships. Bühler motor, gearmotors and actuators are an integral part of everyday life. Today, the company still adheres to the same principles on which it was founded: to design and manufacture DC permanent magnet products that meet the most demanding customer specifications in the world.

There are five production locations in Europe. In addition to its headquarters and production site in Nuremberg, locations exist at Röttenbach and Monheim in Germany and Hradec Králové in the Czech Republic. Precision metal parts are produced in Triberg in the Black Forest for various branches of industry. Outside Europe the company has facilities in Morrisville, North Carolina and Chihuahua, Mexico.

DC PM motors and DC PM gearmotors by Bühler set things in motion in the vehicle industry. It provides round-the-clock reliability and fulfils users' individual requirements with customised drive

PROFILE

Bühler Motor Group
www.buehlermotor.de

Products: Electromotors and precision metal parts

Manufacturing Sites: Four in Germany, one in Czech Republic

Employees: 1600

Today, Bühler Motor Group still adheres to the same principles on which it was founded: to design and manufacture DC permanent magnet products that meet the most demanding customer specifications.

Bühler Motor GmbH imposes the highest quality standards on its products as well as on the companies with whose co-operation it offers surface treatments, including heat treatments, machining like honing, grinding or broaching.

solutions. Whether it's mirror adjusting, regulation of air conditioning, triggering of ABS mechanisms or the many other applications where it has experience, Bühler engineers stand by to partner customers.

In addition, the company has been serving the office equipment market for many years. This success results from dedication to its customers and the ability to adapt to changing market technologies. Its application expertise provides technological and economical solutions to office equipment needs. Typical applications include printers, copiers and plotters. Specific motor functions include paper feeders, paper tray lifts and print head controls.

Bühler is also a worldwide leader in motor solutions for the industrial market. Its motors are cost-competitive and offer excellence in performance. It supports its customers' needs for quiet systems (audible and electrical), efficiency and unique environmental conditions. The company looks beyond the customer to the end user in order to apply system solutions that will result in the best overall product.

Bühler Motor drives are currently used on pneumatic, hydraulic and aqueous pump applications. These pumps serve various markets including automotive, medical and environmental. It also provides integral motor solutions that minimise compressor system costs for customers. These compressors support automotive and industrial applications. Bühler offers DC PM and AC rectified motors for the motion control industry. These ball screw and Acme linear actuators support a number of diverse markets including medical, home care, marine, agriculture and industrial automation.

Bühler DC motors and gearmotors perform automatic functions in a variety of applications and it is a competent design partner, whenever any kind of automated drive solution is planned. The following are examples of the integration of Bühler drive solutions into various applications:

- Two geared motors regulate flow quantity and water temperature in electric shower fittings
- 3-, 5-, 7-, 8-, and 12-slot motors for model railways, model ships, model trucks and other types of models
- Vending machines - drives for cash handling and ejection of merchandise.



Bühler Precision Metal Parts belongs to the international Bühler group. Nearly every technical design contains precision metal parts, be it a vehicle, a piece of medical apparatus or the mixing battery in a bathroom. The functions of Bühler's precision metal parts are diverse but nearly always of crucial importance; new requirements are underpinned by the same common factors, demand for functionality and reliability. The company manufactures over 500,000 pieces per day - each as good as the other.

The processes involved are turning, milling, drilling, threading, punching, gear-cutting and refinement. It turns parts in brass, steel, stainless steel or aluminium within the range of five to 65 millimetres in diameter and that enables the manufacture of thousands of different products. Quality products in large, medium and small series can be delivered just-in-time.

High-tech products are only as good as the people who make them and there are approximately 250 dedicated personnel in Triberg. The company imposes the highest quality standards on its products as well as on the companies with whose co-operation it offers surface treatments, including heat treatments, machining like honing, grinding or broaching. Whether galvanic, chemical or mechanical processes – the surface treatment of a turned part is based on customers requirements, be it a technical or an aesthetic aspect.

Precision means setting the highest standards in quality. Preventive as well as process-accompanying safety measures are supported through FMEA, FTA, SPC, CAQ and CAD. Highest standard means to subject the quality standards and testing mechanisms to continuous further development in terms of content and engineering. The success is seen in the consequent certification according to ISO TS 16949, because customer satisfaction and the competitiveness of its product is Bühler's top objective. ●MTEU