

ebm **papst**

DRIVE TECHNOLOGY

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Drive engineering

Your success is what drives us

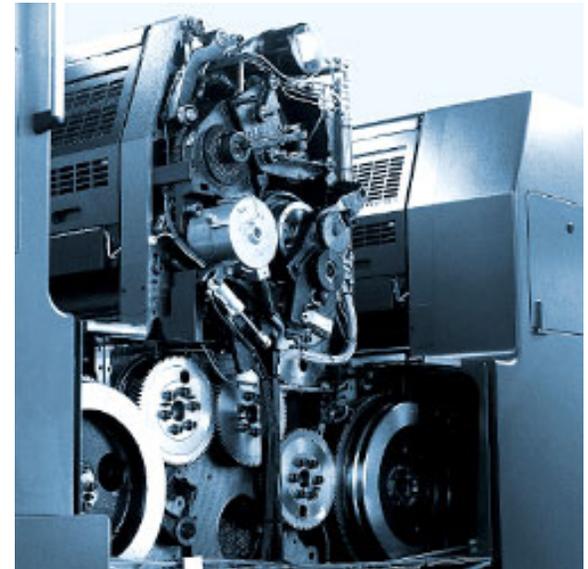
Meet the challenges of your market with ebm-papst.

The most successful people are those who are not afraid to blaze new trails. Today's innovative drive engineering must translate technological trends and specific needs of the user into new products. Aspects such as mechatronics, electronics or software have to be optimized to fit perfectly in each individual industry.

With ebm-papst at your side, you have an engineering partner that understands its customers' business. We develop solutions that are a perfect match for the requirements of your market: in industry, medicine, building systems, transport technology and many other areas. Whether it be an AC external rotor motor, an EC direct current motor, or a highly dynamic EC internal rotor motor drive with integrated drive and control electronics-ebm-papst innovations propel development, accelerate manufacturing processes and make life easier for their users.

When you choose ebm-papst as your development partner, you profit from:

- The experience and assurance of drive applications that have been tried and tested worldwide
- System solutions custom-tailored to your industry
- The highest quality standards for increased service life and operating reliability



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Applications

Printing machinery

Drive and ventilation solutions for the printing industry



As a manufacturer of printing machinery, you know that if you do not meet demands for better performance, consistently high quality and less spoilage, you will lose orders and experience a drop in demand. Using intelligent drives and suitable blower systems gives you the best possible competitive edge.

Whether the application is prepress, press or postpress, a variety of fans and blowers from ebm-papst are used in modern printing machinery. Robustness, ease of control and absolute operating reliability are the decisive features for printing machinery and peripherals.

Durable, maintenance-free AC and DC motors and highly dynamic EC motors with outstanding control characteristics, in combination with system components optimally designed for use in printing machinery, are used in a wide variety of sizes and configurations. Smaller, faster and more powerful drives help to optimize the workflow, thus achieving maximum productivity.

Products from ebm-papst, a renowned engineering partner and manufacturer of fan solutions for the printing industry, have been in use for years in many applications. So that you too can make the right impression in worldwide competition.

Building systems

Set for comfort and safety

Weather alternates between sun, rain, heat and cold, and different comfort and safety requirements also require individualized solutions for climate, light and energy management; both call for intelligent technology. By using suitable drive and blower systems, these types of tasks can easily be under complete control.

A variety of drive and ventilation solutions from ebm-papst are used in modern building systems. Ease of use, high performance and long-lasting reliability over all areas of the building are of central importance here. Banks, hotels, hospitals, child-care facilities, airports and single-family homes-blowers and drives from ebm-papst are used in all of these. They provide ventilation and exhaust and open and close doors, gates, flaps and windows. low-noise, durable EC direct current motors and fan systems with outstanding control characteristics in combination with intelligent activation interfaces allow planners and building owners new possibilities for greater comfort, function and energy efficiency.

Products from ebm-papst, a renowned engineering partner and manufacturer of motors and fans for building systems, have been in use for years in many applications.

Handling systems

Moving more in manufacturing and logistics

No other industry has as much untapped potential for increased efficiencies as the materials handling and logistics area. Constantly increasing commodity flows, growing baggage volumes, and higher quantities of goods and components in conjunction with intelligent, fast warehouse solutions - a market in constant motion needs a skilled, dependable partner whose drives can handle specialized requirements.

You, our customers-developers and operators of goods distribution centers, passenger terminals, logistics centers and airports-place high demands on order picking performance, speed and accuracy. Various drives and blowers from ebm-papst are used in these applications and systems. The challenges to be met here include variable conveying speed, high running smoothness, long service life and a low failure rate, both for large product assortments and small average orders.

Based on its highly dynamic EC direct current motor with outstanding control characteristics, products from ebm-papst, a renowned engineering partner and manufacturer, have been in use for years in many applications. They allow you, too, to take full advantage of your potential.

Paper industry facilities

Nothing flimsy about it - Drive and ventilation solutions for the paper industry

Starting a new chapter in the paper industry means modernizing processes and increasing production capacities. Using less water and fewer chemicals- and simultaneously achieving higher yield and constantly improving quality. In mechanical wood pulping generation, pulp processing, fiber extraction and further processing, raw materials and semifinished products are moved, positioned and processed. Achieving optimum results requires high-performance drive engineering and drying technology.

Drives and cooling units from ebm-papst are used in these applications and systems. Precision speed and torque-controlled drives give paper machines their "drive." Also, a great number of compact individual drives for pumps and fans, in an extremely wide variety of sizes and configurations, are required. Products from ebm-papst, a renowned engineering partner and manufacturer of drive and blower solutions for the paper industry, have been in use for years in many applications. They allow to turn customer requests into reality even more quickly in the future.

Pump applications

A more economical pump - Pumps for specific tasks and requirements

Pump drives from ebm-papst are used in household appliances, the food industry and chemical plants. Low-noise performance, high reliability even under extreme loads, and a long service life are of central importance here. Maintenance-free, variable-speed pumps automatically adapt their output to the actual demand, thus operating up to 30% more economically.

The range of products offered includes specially matched drives for pumps such as submersible centrifugal and dosing pumps for pumping low-viscosity media such as water, condensate and soap-and-water mixtures. However, pump drives for pumping high-viscosity media such as liquid detergents, fabric softeners, oils, paints and lacquers, and chemicals are used in a variety of sizes and configurations.

Products from ebm-papst, a renowned engineering partner and manufacturer of customized pumps and pump drives, have been in use for years in many applications.

Textile machines

The fabric from which new market successes are made

The processing of textiles, including how they look and how they wear, is determined by a number of process steps. Machines and systems for spinning, knitting, weaving, dyeing, finishing and further processing make a variety of drive concepts necessary. The prerequisite for market success in the textile industry is high-performance textile machines.

A variety of blower and drive solutions from ebm-papst are used in these machines. Reliability and performance over all process steps are of central importance here.

In the environment of the machine, a variety of individual drives and fans are required. Drives with precision speed control give textile machines their "drive." For preparing the fibers and holding them in place, chemical treatment processes and other movements.

Products from ebm-papst, a renowned engineering partner and manufacturer of solutions for textile machines, are used in many applications. With their easy operation and controllability, maximum reliability and accuracy of speed, energy and space-saving drive and blower systems have been proving their strengths in the textile industry for years.

Packaging technology

The whole package for greater convenience

How can candies be packaged better and more quickly? Why does an employee always need to be present to assist in the packaging process? Packaging comes in as many different varieties as the products it contains. To meet the rapidly changing requirements of the packaging market, packaging machine manufacturers must offer innovative and reliable machine concepts. Greater customer benefit for individual packaged goods, shorter cycle times and maximum reliability against failures, flexible means of packaging-these are only a few of the requirements that can be met by drives and blower systems.

Durable, maintenance-free EC motors with outstanding control characteristics, in combination with solutions in various sizes optimally designed for use in printing machines, open up new possibilities in your market.

For years, products from ebm-papst, a renowned engineering partner and manufacturer of drive solutions for packaging technology, have been running in a great variety of applications. With them, you are ideally equipped for your market.

Door drives

Opening the door to increased performance - Drive solutions for doors and gates



What are the obstacles to finding a groundbreaking door solution? The first barrier could be searching for a customized drive that will be exactly the right match. Whether for a hospital, railcar or bus, clean room, warehouse or hotel; whether it is a roll-down gate, elevator, revolving door or electronic access control system - drive solutions from ebm-papst combine great operating convenience with maximum operating reliability. Energy and space-saving systems with outstanding low-noise performance and flexibility. Mechatronics solutions allow drives to be designed that are lighter and more compact and better meet requirements for miniaturization and the resulting cost reductions. EC motors, with their integrated control electronics and wide variety of gear options as well as their very smooth running, easy controllability, maximum reliability and accuracy of speed, will perform your task more economically.

Products from ebm-papst, a renowned engineering partner and manufacturer of drive solutions for door drives, have been in use for years in many applications.

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