

## ebm-papst at LogiMAT

# Highly Dynamic Drive Systems for Intralogistics

**In Hall 7, Booth A31 at the LogiMAT trade show, the international specialized trade show for intralogistics solutions and process management, ebm-papst will present intelligent drive systems for various logistics applications and an innovation: the driving/steering system. The trade show will be held in Stuttgart from March 10-12, 2020.**

The market for automated guided vehicles (AGV) is growing disproportionately and the requirements for free-navigating AGVs are high: quick start-up and intelligent networking via bus systems are a prerequisite. This also involves requirements for high power density – minimal installation space with maximum efficiency.

### **Extremely compact drive system for AGVs**

ebm-papst will display the new driving/steering system, an innovative drive solution for mobile battery-operated applications, which allows vehicles to drive in all directions. This drive solution consists of drive motors, transmission, sensor system, and wheel, and will be presented for the first time at LogiMAT.

The ECI-63 and ECI-80 BLDC motors from ebm-papst fulfill the requirements posed of them – in the new driving/steering system or as direct wheel motors. They require little installation space, achieve high torques with just 24 V, and are also in a position to deliver three times their power for short intervals. Thanks to integrated intelligence in the drives, condition monitoring and predictive maintenance can be performed in the service of GreenIntelligence. Combined with the Optimax transmissions, this creates compact, robust, intelligent drive systems.

### **Shuttle applications that pose high requirements of drives**

Another trend in intralogistics is shuttle applications. To keep the warehouse area used as small as possible, these are built upward. Shuttle vehicles can then reach all warehouse positions on all levels. The requirements with regard to dynamics, positioning accuracy, and life span are fulfilled with aplomb by the ebm-papst ECI-63 and ECI-80 motors combined with the Optimax transmissions.

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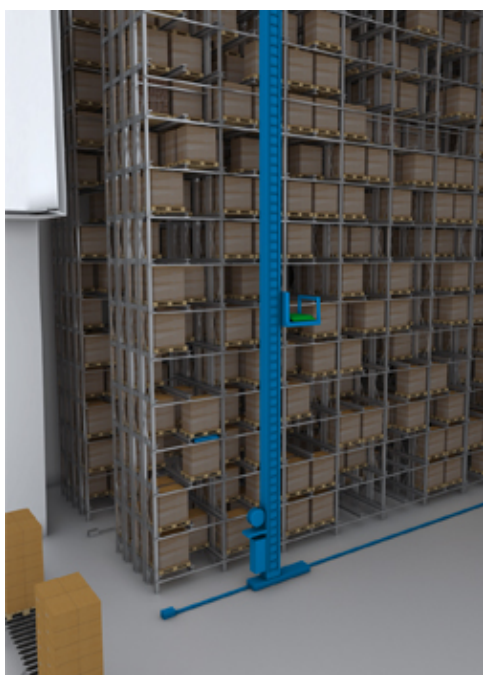


Fig. 1: ECI drive systems from ebm-papst are used in logistics applications, e.g. in high bay warehouses, for they easily fulfill the high requirements.

Fig. 1            ebm-papst  
Characters      Approx. 2,100, including headings and sub-headings  
Tags              Intralogistics, drives, motor, transmission, automated guided vehicles (AGV), shuttle, Optimax  
Link               <https://idt.ebmpapst.com>

### About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen, Germany, is the world's leading manufacturer of fans and motors. Since the technology company was founded in 1963, it has continuously set the global industry standard. With over 20,000 products in its range, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive engineering task.

In fiscal year 2018/19, industry leader ebm-papst generated revenues of 2.18 billion euros. It employs over 15,000 people at 28 production sites (e.g. in Germany, China and the US) and in 48 sales offices worldwide. Fans and motors from the world market leader are used in most industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automotive and drive engineering.

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