

# EMS GROUP's stunning array of automated guided vehicles

**T**hanks to the high level of engineering expertise at EMS, the group is able to design and implement custom solutions for both individual systems and complete lines for new installations as well as modifications, upgrades, revamps and relocations of existing systems.

The modularity of the company's systems makes it possible to handle different types of product with the utmost flexibility and reliability - meeting the needs of

many sectors in terms of production speed as it increases line efficiency and reduces maintenance costs.

## ONE-STOP SHOP APPROACH

As EMS sees it, the One-Stop Shop approach is essential to optimising resources and remaining competitive in today's global environment. This means being able to count on a single partner that's capable of providing

systems and services which can manage the entire production process. Not having to coordinate several suppliers means saving time, energy and costs - thereby allowing customers to enhance their process, every step of the way.

## NEXT GENERATION FACTORY

One significant result of the One-Stop Shop approach is the Next Generation Factory: a



**EMS GROUP strives to increase the efficiency and safety of glass production and intralogistics processes with its integrated and digital solutions, which range from unit handling to internal logistics and storage management.**

fully-integrated organisational and production model that's digitised and aimed at value creation. Such is the goal the Group proposes to its customers through proper product management - from initial processing phases to the product leaving the factory. Upstream and downstream of the process, EMS solutions interface with production and inspection machinery, without any interference, while enabling maximum reduction in cross-over time. Both the company's systems and the digital infrastructure that governs the production plant are fully-integrated with the customer's management software. In this way the customer can enjoy peace of mind, with a turnkey plant that is designed and built to transform ideas into reliable and distinctive solutions.

## **AUTOMATED GUIDED VEHICLES**

**Automated Guided Vehicles**

**increase the efficiency and the safety of intralogistic operations, both indoors and outdoors. EMS' AGVs ensure:**

- High application flexibility;
- Finished product integrity;
- Less costs due to damage to structures.

Thanks to safety laser scanners, AGVs guarantee maximum reliability when picking up and putting down products, avoiding risks for operators.

### **Navigation systems:**

- Laser guided, with SLAM/reflectors overhead and on the floor. Advantages: high flexibility, reduced installation times.

### **Types of batteries:**

- Lithium battery;
- Lead-acid battery.

### **Charging options:**

- Charging through contacts (biberonnage);
- Manual or automatic battery change.

EMS AGVs range from counter-balanced vehicles to pallet trucks, from drive-in and stacker crane satellites to maxi outdoor shuttles. All models provide high performance and reliability - meeting any handling requirement in the industry. ■



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