



EMS GROUP

Improving customer competition with a complete range of products and services

In recent years, with the acceleration of all the economic processes due to globalisation, size has become paramount in order to support the costs of research, production and marketing.

To continue to grow and maintain the market-leading position, companies therefore needed to combine forces. This market leadership is a source of great regional pride and must not be wasted.

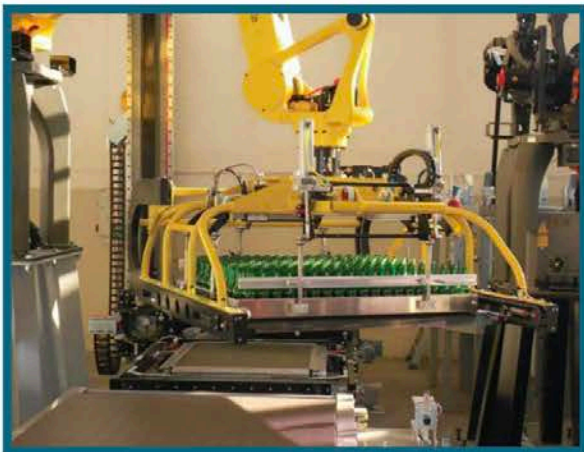
With Zecchetti, the group is complete (for now), and, enjoying a strong position in terms of capacity, resources and expertise, is beginning to lay the foundations for an ambitious new project.

EFFICIENCY DRIVES SUCCESS

EMS's aim is to increase the competitiveness of customers in the global market by handling, palletising and warehousing goods and materials efficiently, supporting them as they grow their businesses and fulfil all their requirements, by providing personalised, high-tech and sustainable solutions so that we become a one-stop-shop for handling services.

For the EMS Group, efficiency is the key to success: effi-

The EMS group was formed in 2018 from the merger of Emmeti, Mectra, Sipac and Logik, a Xenon Private Equity initiative, which assumed overall control of the group. In November 2019, Zecchetti joined the group, thereby confirming EMS as leader in the hollow glass handling sector. The companies in the group rose during that dynamic and prolific business climate between the 1980s and 1990s when Emilia became the leading region of the metal-mechanical industry and earned itself the title of 'Packaging Valley'.



PALLETIZING HEADS FOR THE WHOLE LAYER OR ROW BY ROW:

- Inflating tubes (pick-and-place)
- Vacuum plate (pick-and-place)
- Vacuum cups (pick-and-place)
- MPH Universal System (sweep-off)

INTERMEDIATE EQUIPMENT AND ACCESSORIES, FROM THE LEHR OUTLET TO THE AUTOMATED WAREHOUSE

- Destacker
- Depalletiser
- Tray former
- Strapper
- Stretch Wrapper
- Shrink-wrapping Oven
- Automated Warehouse (for parts and full pallets)

Software is custom-made to per-

ciency of responses, with rapid design solutions tailored to suit the customer's individual needs; efficiency of all the processes, to continually improve performance in providing products and services; efficiency towards sustainability, by developing energy-efficient solutions to reduce customer costs and the impact on environment. This provides more efficient electric motors for machines or products such as the glass handling line waste conveyor belt, which automatically stops when no waste is detected.

DIVERSITY AND INTEGRATION

Like Emmeti, Mectra, Sipac, Logik and Zecchetti, the group has designed, created and installed thousands of complete systems and individual machines, for industrial robotics, handling, palletising/depalletising and warehousing in the glass, PET, can making, bottling, food and chemical-pharmaceutical sectors.

Each company in the group has made an important contribution through research, technology and expertise and now this combination of know-how and expertise can be shared in order to achieve results beyond expecta-

tations: the solutions that may result from combining these skills and this technology cover every conceivable requirement.

GLASS CONTAINERS DIVISION – COMPLETE RANGES

The EMS Group is now able to offer the most complete range of products present on the market and therefore a comprehensive variety of solutions to glassworks, for: any bottle, any jar; any type of palletiser or cold-end configuration; no matter what format, no matter what shape.

COLD-END ARCHITECTURES, CONVEYORS, INTERMEDIATE GROUPS, AUTOMATION DEGREES

- Bottle conveyors
- Accumulation tables
- Continuous and swinging gate dividers
- Omega passages, overturners and elevators/lowerators
- Optical inspection system for non-round container orientation

PALLETISING SYSTEMS

- Rotary column
- Beam system
- Robot PAL
- Portal system



fectly match with the hardware configuration, and developed in-house, as well as the advanced state-of-the art HMI, a user-friendly and intuitive operator interface which ensures a complete control of the automation

and can be easily linked to the most common ERP software.

EMS GROUP: A RELIABLE PARTNER

The undoubted professionalism and decades of experience

in the sector, boasted by all the companies of the group, represent a real guarantee from the point of view of efficiency and reliability around-the-clock.

The added value brought by the reunion of all these com-





panies in a single group is the renewed capacity of innovation offered by new professionalism and skills.

As an example, the cold-end software developed by Zecchetti elaborates the information received from hot end, monitors the physical processes and feeds back to both the hot end and possibly the company ERP.

This application allows the

operator to have a comprehensive overview of the machinery thanks to a very smart and user-friendly 'touch' interface.

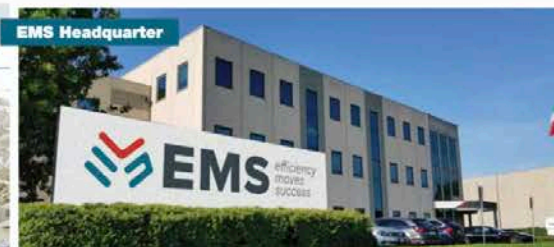
Functions of the application include:

- Recipe management (bottle ID card)
- Alarm diagnostic with HELP/history
- Line parameters display/modification

- Line status
- Manual operation control
- User manual on-line consulting
- Spare parts on-line ordering

To make the system use even more convenient, the 'Handy' version of the App is also available. This software extends the portfolio of EMS's Industry 4.0 solutions, which also include some innovative tools for maintenance and technical support:

EMS Headquarter



ZECCHETTI Plant



- AR Assistance: using a pair of Augmented Reality glasses, a technician can establish a bidirectional audio-video communication with service department, enabling advanced troubleshooting with images/instruction sharing in real-time, reducing machine downtime and minimizing human errors.
- 3D MaintenEasy: easy to use interactive 3D manual,

advanced field tablet for on-site access to technical documentation and video tutorial, QR code reading for an immediate recognition of spare parts to be ordered, real-time machine monitoring and error reporting.

EMS GROUP offers full-service engineering support both for greenfield installations and for any existing installation refurbishing/upgrading. ■



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