

**Mechatronic drive system
MOVIGEAR® in implemented projects**



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In addition to resistance against heat, moisture, cleaning agents, etc., the mechatronic drive system MOVIGEAR® has been proven to optimize the energy balance and to reduce the operating costs due to its improved overall efficiency. The following application examples from selected customers show this in an impressive way.

For more information about the MOVIGEAR® drive system, go to:

<http://ms.sew-eurodrive.de/movigear/englisch/>



Krones AG, Neutraubling, Germany Container feeder Variopac Pro (for ErgoBloc D)

Flexibility is key in packaging systems for the beverage industry to secure efficient processes. The „Variopac Pro“ system of the company Krones AG can package bottles and light-weight containers in very different batch sizes using film of variable thickness. Depending on the system, the packaging unit conveyor has one or two tracks, which can be used in parallel.

Drive technology from SEW-EURODRIVE ensures the necessary flexibility and the high degree of efficiency:

- Implemented with decentralized technology
- Up to 12 MOVIGEAR® DSC SBus as single track drives, connected to the machine controller via a decentralized SBus controller.
- The MOVIGEAR® drives permit a wide speed control, which allows for separate back pressure control for each container track.
- SEW system bus technology (SBus) ensures high performance and fast bus communication via CAN.



Sidel Conveying SAS, France, beer bottling line

The glass bottle filling plant of the French manufacturer Sidel Conveying SAS can process up to 60,000 beer bottles per hour. However, a high throughput and innovative technology are not the only important aspects.

Sidel is producing particularly responsible system solutions that satisfy all reduction categories:

Costs, energy, material, space required for the machines, use of chemicals, and non-renewable resources.

In accordance with this concept, all transport drives of the horizontal system components are equipped with suitable, energy-efficient drive solutions from SEW-EURODRIVE:

- 45 MOVIGEAR® SNI (Single Line Network Installation)
- 6 MOVIFIT® SNI
- The SNI technology allows for energy and data transfer in one standard cable, which reduces the number of components and minimizes the installation effort.



Coca-Cola HBC Austria GmbH, Vienna, Austria, Conveyor line for PET bottles and packaging units

Energy saving and CO₂ reduction are the objectives of the modernized 2a line of the Austrian Coca-Cola bottling plant. In the area from the shrink packer to the palletizer, PET bottles from 0.3 to 2 l fill quantity are processed. The public utility Wien Energie GmbH has been involved in the conception of the complete renovation project right from the start with detailed energy consumption calculations to achieve the best energy efficiency possible for this system.

The installed, comprehensive drive technology from SEW-EURODRIVE is expected to save an impressive amount of energy and CO₂.

Tested and confirmed by Wien Energie GmbH:

- Energy savings of 75 % in total due to the consistent use of 40 MOVIGEAR® units with SNI technology (Single Line Network Installation) and other measures, e.g. automatic shut-down during rest periods
- CO₂ reduction of about 39,000 kg/year
- The SNI technology allows for energy and data transfer in one standard cable, which reduces the number of components and minimizes the installation effort.



psb intralogistics GmbH, Pirmasens, Germany materials handling and warehouse technology

The company psb intralogistics GmbH plans and implements integrated material flow systems for production and distribution. One of their projects is the new industrial gear unit plant of SEW-EURODRIVE in Bruchsal:

The implemented logistics unit in the goods receiving area consists of an intermediate tray buffer with a subsequent conveyor line with vertical conveyor for storing the received goods in the small parts warehouse.

Perfect interplay between the different drive technology components is ensured by:

- 60 MOVIGEAR® SNI
- in connection with MOVIFIT® SNI
- Alternatively, it is possible to equip the components with binary installation topology for stand-alone operation, or with AS-Interface for simple and efficient control.

Secma-Cabon, QUIMPER, France, feed table for feeding cans into the sterilizer



The French company Secma-Cabon offers a comprehensive range of automated plant technology to manufacturers of cans. The systems on offer include a feed table that feeds cans to a sterilizer. The reduction of energy consumption and of the installation effort are very important factors at Secma-Cabon to keep up with the competition in terms of profitability and saved operating costs.

SEW-EURODRIVE provides the right, energy-efficient and easy-to-install drive technology for this:

- 6 MOVIGEAR® with SNI technology (Single Line Network Installation)
- The SNI technology allows for energy and data transfer in one standard cable, reduces the number of components, make separate field wiring of bus cables redundant, and in this way minimizes the installation effort.
- The hygienic design of the MOVIGEAR® drives is an asset for the hygienic production of cans.