VARIOLUTION®
Conveyor Line
For Efficient Conveying Concepts
For conveyor lines in particular, modular structure and the elimination of variants are very important. Furthermore, decentralized technology is a common component of systems that enables them to achieve an increasingly more efficient material flow. System operators can significantly reduce their operating costs in this manner. For system designers, it represents a reduction in both the complexity of the system and in the time and effort expended on installation. The "Conveyor Line" VARIOLUTION® package meets all of these requirements and, as a result, individual segments as well as entire conveyor lines can be set up very easily. The components are perfectly matched to suit each other, and their decentralized structure increases ease of maintenance, which subsequently decreases system downtime.

The VARIOLUTION® variant "Conveyor line for efficient conveying concepts" enables the project planning of up to 10 connected roll, belt and chain conveyor segments for transporting packaged items. Via the innovative Single Line Network Installation (SNI), a decentralized MOVIFIT® SNI controller guides the individual conveyer segments with one MOVIFIT® SNI each. The mechatronic MOVIGEAR® drive system – consisting of gear units, a synchronous motor and matching drive electronics in one product – is the most energy-efficient drive in its class and reduces energy consumption by up to 30%. The Hygienic Design option, minimized air swirls and significantly reduced noise make this VARIOLUTION® package the perfect solution for sensitive areas.

- Reduction in energy costs due to high efficiency of all components (gear unit, motor, electronics)
- New control processes for optimized start-up
- MOVIGEAR® significantly reduces reactive power consumption compared to motors that are run directly from the power supply
- Up to 30% less energy consumed

- SNI technology enables on-site installation via a single cable between the controller and mechatronic unit
- Individual control of MOVIGEAR® with bidirectional communication
- Bus lines do not have to be routed on-site
- Shorter startup
- Shorter project runtimes result in a reduction of project costs

Our new VARIOLUTION® packages specifically support machine and plant manufacturers with solutions that are optimized for a wide range of applications. System designers profit from SEW-EURODRIVE’s years of experience and expertise in designing drive solutions which are combined perfectly in the scalable VARIOLUTION® packages. This ensures that, along with the drive technology, designers are provided with software that is tailored perfectly to the application. SEW-EURODRIVE also issues a guarantee of proper functioning for the software. The scope of services also includes optimized ordering and delivery processes as well as package-specific documentation.