



Servus in action at Rosenberger:

Initial situation:

- Many manual, time-consuming transport tasks
- Material storage for the assembly line supply directly in production
- Long routes – numerous manually operated interim storage facilities
- Hereditary structures with numerous areas and halls
- Complexity of supplying material to assembly machines

Solution:

In order to maximize the customer benefits it was decided to transport all small parts with one material handling system. Therefore Servus realized a system in order to automate the material transports between goods receipt, warehouse, picking area and the production area. Servus supplies several production areas overhead in order to save valuable space in the production area. Furthermore the system is highly flexible and can be easily extended to any other areas of the company. Transported goods are:

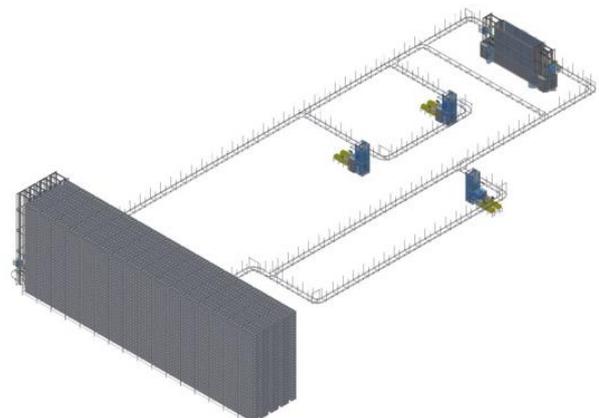
- Prefabricated parts from the own production
- Semi-finished parts (transport and buffering for processing and final manual assembly in the Hungarian factory)
- Finished parts waiting ready for shipment

Rosenberger

- Headquarter: Fridolfing, D
- Turnover: 705 Mio. €
- Employees: 6.200

Numbers and facts:

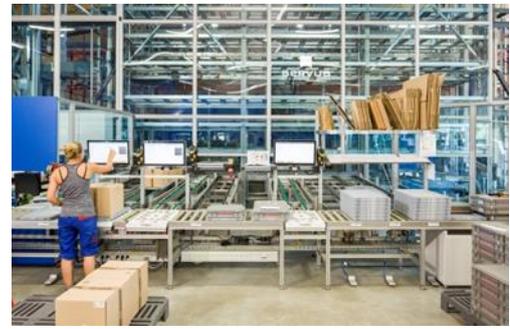
- 24 ARCs
- ASRS with 19.320 storage locations
- 231 storage and 231 retrieval tasks per hour
- Several expansion steps



Customer benefits:

- Minimising manual transport tasks
- Constant access to 100% of all articles
- Eliminating search times
- Fully automated supply to assembly machines
- Just-in-time ordering of articles for dispatch leading to space savings in the dispatch area
- Additional space savings due to relocating the routes to the ceiling
- Copy of the solution for a second location
- “Breathing” production buffer can be optimised at all times
- Reserve capacities in the central AKL for future growth
- Clear-cut definition and clean-up of all processes in the course of introducing SERVUS including new warehouse management software
- Reducing work-in-progress stock.

Pictures:



Servus is responsible for storing and transporting small parts at Rosenberg. The intelligent and autonomous Servus transport robots bring the right material in the right time to the right place. This results in an ideal interaction between logistics and production. Since it's first implementation, numerous expansions stages were realised and storage capacity was doubled.