

Servus ARC3 Facts:

Speed:	up to 2m/s (range dependent)
Payload:	up to 50 kg
Acceleration:	individually adjustable - up to 1 m/s ²
Communication:	SERAN (Servus Area Network), digital in/outputs, push buttons, touch screens etc.
ARC sizes:	from 600 x 600 mm to 2500 x 2500 mm (ARC is adjusted individually to suit customer needs)
Power saving:	up to 90% over traditional systems (ERS energy recovery, ASC anti-slip control, power is only used for acceleration, ideal load-benefit ratio)
Track:	mechanical rail (allows for quick and simple changes to your route layout and remains low maintenance)

Depending on customer requirement, different load handling devices are available:

- Servus Leanloader: loads and unloads work piece carriers, trays or boxes autonomously on both sides and along any position of the track
- Servus Smartloader: loads and unloads cardboard and other fragile boxes gently, reduces wear and tear on cardboard boxes.
- Servus Hopper: transports bulk goods, (filling from top, emptying from bottom)
- Servus Belt Conveyor: general transportation of components

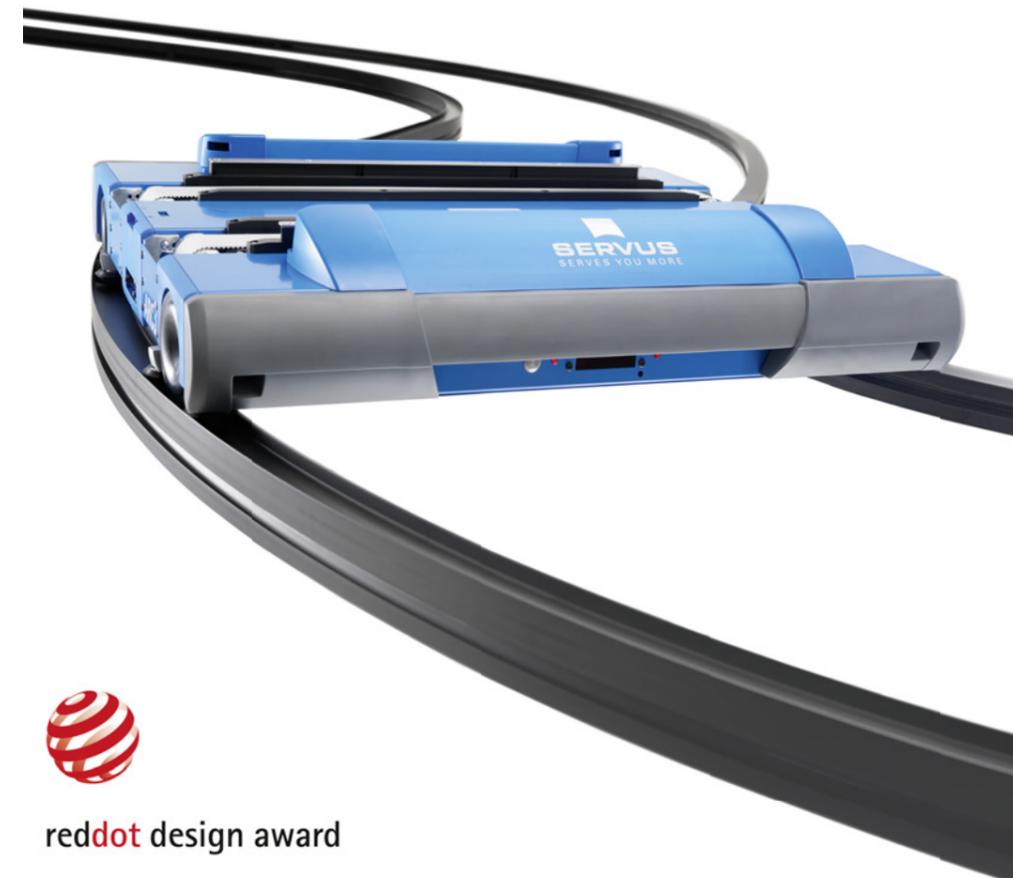
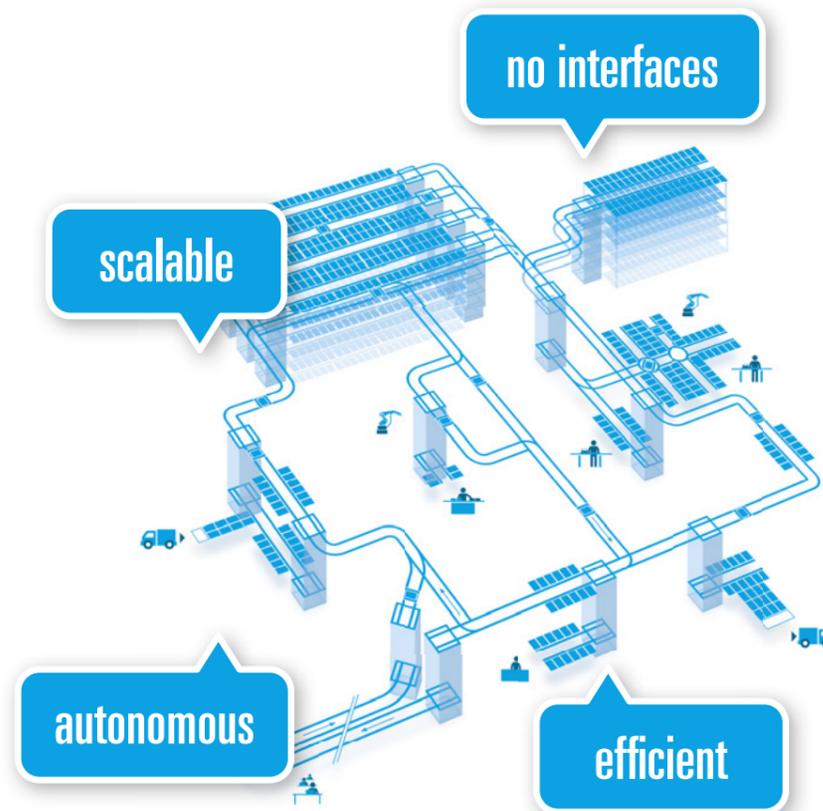
- Adaptable
- Intelligent
- Autonomously controlled
- Customized



With the Smartloader the ARC3 can pick up cartons and Styrofoam components of different sizes, and is gentle when handling these materials.

Smart Factory

Every Servus system is tailor-made to suit customer requirements. Designed as a building block system the Servus concept is adapted precisely to your production and on-site requirements.



reddot design award

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Servus can be ceiling mounted! This can help you to use your production areas more efficiently and offers additional room for production or commissioning.

Intralogistics

Servus can handle your entire Intralogistics from parts receiving to dispatch areas. This means a seamless integration of areas such as Automatic Small Parts Storage (ASRS) to production, order picking and packaging even with the option of including different office areas as needed. One single system means elimination of interfaces, maximum flexibility and fully transparent traceability of product and production data in real-time.

Your benefits of this seamless Servus approach are:

- Concentration on your value-add processes
- Reduction of waste (lean)
- One-Piece-Flow: reduction of „WIP“
- Optimized work flow leads to increased inventory turns

Production



Servus integrates manual as well as automated work stations. Production data or machining instructions are supplied synchronously.

Servus, tailored to your individual material handling requirements!

Servus is the world's first autonomous and intelligent transport robot system for material handling, warehouse logistics, Intralogistics and assembly automation without centralized control system. Decentralization allows for quick and efficient adaption of changing production capacities.

Servus transports cartons, boxes, trays, work piece carriers and bulk goods Just-In-Time to any location in the organization. The Servus system minimizes interfaces between different processes and therefore helps eliminate waste. Without GPS or route map, Servus transport robots orientate themselves independently allowing them always to find the fastest route to the desired destination.

One modular system for your entire Intralogistics



One modular building block system for transportation of goods up to 50 kg



Picking



The stock picking stations are customized for each application out of the building block system.

Whether in-line or parallel order processing, Servus delivers material from any storage location to the workplace and returns it to the storage location.



Servus storage systems support different performance levels i.e. high frequency storage for the retail industry.

ASRS

Regardless if fast or slow turning items: Servus offers the right concept for your requirement!

With its software logistics module Servus makes your material storage more efficient. Designed around an 80% double plays and parallel processes, the system can achieve a storage filling level of 99%.

Automated miniload warehouses become your conveyor line and the conveyor line becomes your warehouse. Each storage location is manually accessible. The Servus 'cockpit' provides all master and material flow data in real time. The Servus Logistics Module organizes your inventory management as well as the entire material flow.



The Servus Transport Robot significantly increases the radius of an articulated arm robot.