

THE KNAPP OSR SHUTTLE EVO HAS LANDED

The world is changing and changes always come with new challenges. Today, for example, we are facing the challenges arising from today's business developments being less predictable and from the high demands for performance and quality. It is challenges such as these that drive us forward in finding new solutions and developing existing technologies to provide our customers with a decisive competitive advantage. With the first OSR Shuttle, first up and running in 2002, we turned the world of logistics upside down, changing it forever. Today in 2018, we are ready to once again redefine the limits of logistics. Change? Come on in! Welcome, OSR Shuttle Evo!

LIMITATIONS ARE A THING OF THE PAST

With more than 250 OSR Shuttle systems installed across the globe with over 25,000 shuttles, our shuttles have travelled the distance from the earth to the moon 100 times over. Every kilometre covered has provided us with valuable experience, which we have poured back into the development of our new OSR Shuttle Evo. The OSR Shuttle Evo combines the advantages of all previous KNAPP shuttle systems with the flexibility in the design of the system and processes.

VERSATILE ALL-ROUNDER

Whether medicines, shirts, perfume, eggs, drive shafts, bulk material or teddy bears: The OSR Shuttle Evo provides space for a wide range of articles and offers diverse storage possibilities. Containers, trays and cartons with different outer dimensions and heights can be stored in the OSR Shuttle Evo without a problem. The options of single or multi-deep storage and direct carton storage are particularly space-saving and efficient.

- Multiple-deep storage.
- Broad article range.
- Direct storage of cartons.
- Single system that stores containers, trays and cartons with different heights and footprints.
- Cargo up to 50 kg.

” WE DECIDED ON THE OSR SHUTTLE EVO BECAUSE IT IS FLEXIBLE, SCALABLE AND EXPANDABLE WITH RESPECT TO SHUTTLES, LIFTS AND THE RACK SYSTEM. THE SIMPLE SEQUENCING DIRECTLY OUT OF THE RACKS ALSO REALLY SPOKE IN FAVOUR OF THE SYSTEM.

Jan Frans Berends, Logistics Director, Kramp



Intelligent storage: Slow, medium and fast moving articles as well as overstock are stored in the OSR Shuttle Evo. The fast shuttles can change aisles and supply every work station with the goods, just in time



BY PROJECT COMPLETION, THE SYSTEM WILL BE DOUBLE THE SIZE OF TODAY'S SYSTEM. THE BIG ADVANTAGE IS THAT WE CAN EXPAND STEP-BY-STEP, WHEN AND HOWEVER WE NEED TO BE FIT FOR THE FUTURE.

Jan Frans Berends, Logistics Director, Kramp



Fast, flexible and scalable – agricultural technology expert Kramp is equipped for future growth and relies on the OSR Shuttle Evo

The OSR Shuttle Evo has been developed in line with our all-in shuttle philosophy. As a result, the OSR Shuttle Evo can effortlessly link critical processes. Its unique design enables it to put goods into precise sequences as soon as they leave the rack. The OSR Shuttle Evo supplies work stations and dispatch areas with goods just in time. Every work station has access to every article in the system. What's more, stock and overstock can also be stored in a way that saves on both cost and space. When necessary, the shuttles leave the aisles and retrieve goods from overstock.

- Storage.
- Picking.
- Buffering.
- Replenishment.
- Supply.
- Sequencing.

ADVANTAGES OF THE OSR SHUTTLE EVO

- **Scalable investment:** The system grows with changing requirements and business models.
- **Optimal use of space** thanks to a flexible rack system and a streamlined system design.
- **On-demand performance:** Scalable number of shuttles and lifts; applications with shuttles that move lengthwise and crosswise.
- **Flexible access** to all articles in the system from any work station.
- **Complete integration** in the KNAPP system world.

DATA AT A GLANCE

Racks	<ul style="list-style-type: none"> • Length: 200 m • Height: 24 m • Systems are stackable and scale flexibly
Shuttles	<ul style="list-style-type: none"> • Lengthwise movements 4 m/s 1 m/s² • Crosswise movements 2m/s 1 m/s² • Movable telescope arms • Several shuttles can be used per level for a scalable performance
Load carriers	<ul style="list-style-type: none"> • Containers, trays, cartons 250 mm × 250 mm to 850 mm × 650 mm;
Load carrier	<ul style="list-style-type: none"> • Up to 50 kg
Storage type	<ul style="list-style-type: none"> • Single and multiple-deep storage; direct storage of cartons
Lifts	<ul style="list-style-type: none"> • Double-deck type; flexible positioning in the rack system; low noise
Software	<ul style="list-style-type: none"> • Control system by KiSoft or SAP® EWM by KNAPP • Visualization: KiSoft SCADA

IT'S THAT EASY – KRAMP RELIES ON THE NEW SIMPLICITY OF THE OSR SHUTTLE EVO

The international Kramp Groep corporation with headquarters in Varsseveld, the Netherlands, is Europe's largest specialist in spare parts and accessories for the agricultural industry and is on a course for strong growth. In keeping with their slogan, "It's that easy", smooth logistics and great customer service are the cornerstones of the success of Kramp. For its warehouse logistics, Kramp has been relying for several years on the intelligent automation solutions by KNAPP. In order to support further growth and to further optimize the service for its customers, Kramp selected a new automation solution with the brand-new OSR Shuttle Evo, which will be used in the distribution centre at the company headquarters in Varsseveld. ■



Find out more about how the Kramp Groep corporation has organized their logistic processes with the OSR Shuttle Evo and how Kramp customers are profiting.

KEY DATA

Kramp: Specialist for agricultural technical supplies.
Headquarters: Varsseveld, the Netherlands.
Distribution network: Deliveries in 26 European countries.
Mission: It's that easy. Make it easy for our customers to run their business.
Challenge: Greater demand for storage capacity; more than 500,000 articles available; high order numbers; fast delivery times.
Solution: OSR Shuttle Evo for fast, medium and slow moving articles as well as overstock. One-touch picking using the goods-to-person principle at 8 Pick-it-Easy work stations. KiSoft software solution. Step-by-step expansion – 9,600 order lines per hour by project completion.