

**SRP  
SCHÄFER ROBO-PICK**



## SRP: THE FIRST FULLY-AUTOMATIC PICKING CELL THAT CAN BE SMOOTHLY INTEGRATED INTO EXISTING WAREHOUSE ARCHITECTURES.

Schäfer Robo-Pick enables you to set new standards with regard to picking speed and picking quality.

Schäfer Robo-Pick is the first fully-automatic picking cell that can be smoothly integrated into existing warehouse architectures. It is neither necessary to enter article characteristics into the system nor to place the articles in special positions in the storage tote. An innovative two-step image processing system automatically recognizes the position of the products on the tray and controls the universal picking robot. Schäfer Robo-Pick achieves up to 2,400 picks per hour

in continuous operation. The Schäfer Robo-Pick cell is a particularly economic system, the investment costs are far below the costs for corresponding conventional "goods to man" stations with equivalent picking performance. Schäfer Robo-Pick is a further technological innovation that SSI SCHÄFER launched to the market. Easy installation together with highly flexible image processing ensures a trouble-free start-up and a unique ROI.



### ADVANTAGES

- ▶ Up to 2,400 picks per hour
- ▶ Highest flexibility as there is no need to enter product characteristics
- ▶ No additional product data has to be managed
- ▶ High picking quality and reliability
- ▶ Product-friendly
- ▶ Quick Return-on-Investment
- ▶ Covers a large product range
- ▶ Suitable for fast and slow-moving products alike

# SRP - SCHÄFER ROBO-PICK

## PICKING

Schäfer Robo-Pick can pick products with external dimensions of 10 x 20 x 20 mm up to 300 x 500 x 200 mm lateral length and upright bottles with a lid diameter of min. 20 mm. Depending on the order structure, 10 to 20 orders can be processed simultaneously. The products are either picked directly to the storage tote or onto a picking buffer according to design.

## DESIGN OPTIONS

Schäfer Robo-Pick will either be equipped with a Scara robot to grab heavy products or a parallel-kinematic robot for extremely quick grasping movements.

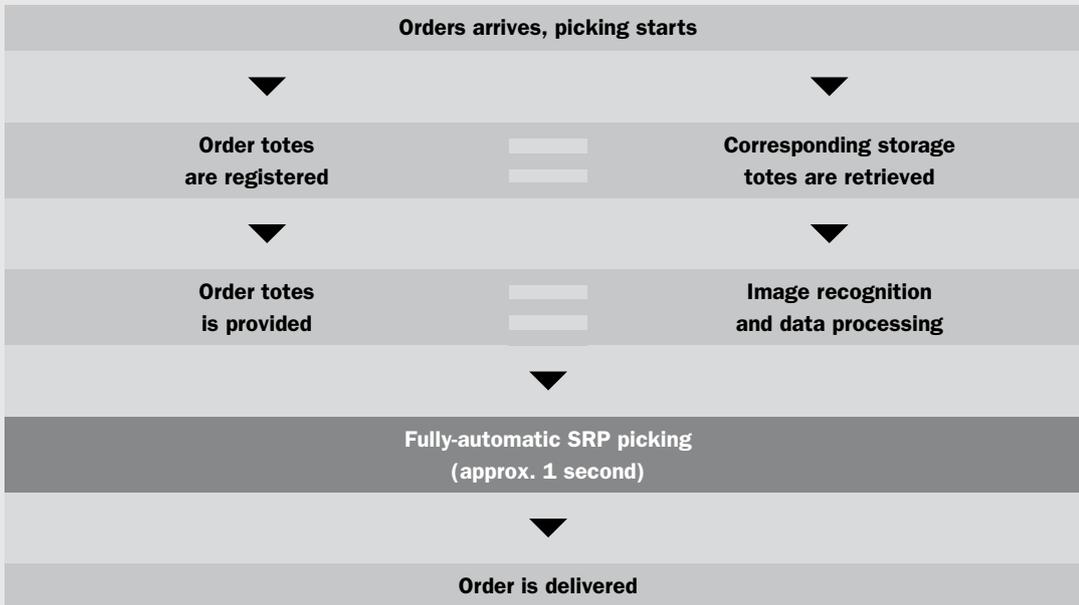
## FUNCTION

The system is provided with trays from the Schäfer Carousel System (SCS) or the Schäfer Miniload Crane (SMC). These storage trays are analyzed and assessed by an image recognition system especially developed for the SRP and by means of the order requirements from the warehouse management system the required products are picked into the corresponding order tote by the Schäfer Robo-Pick in a matter of seconds.

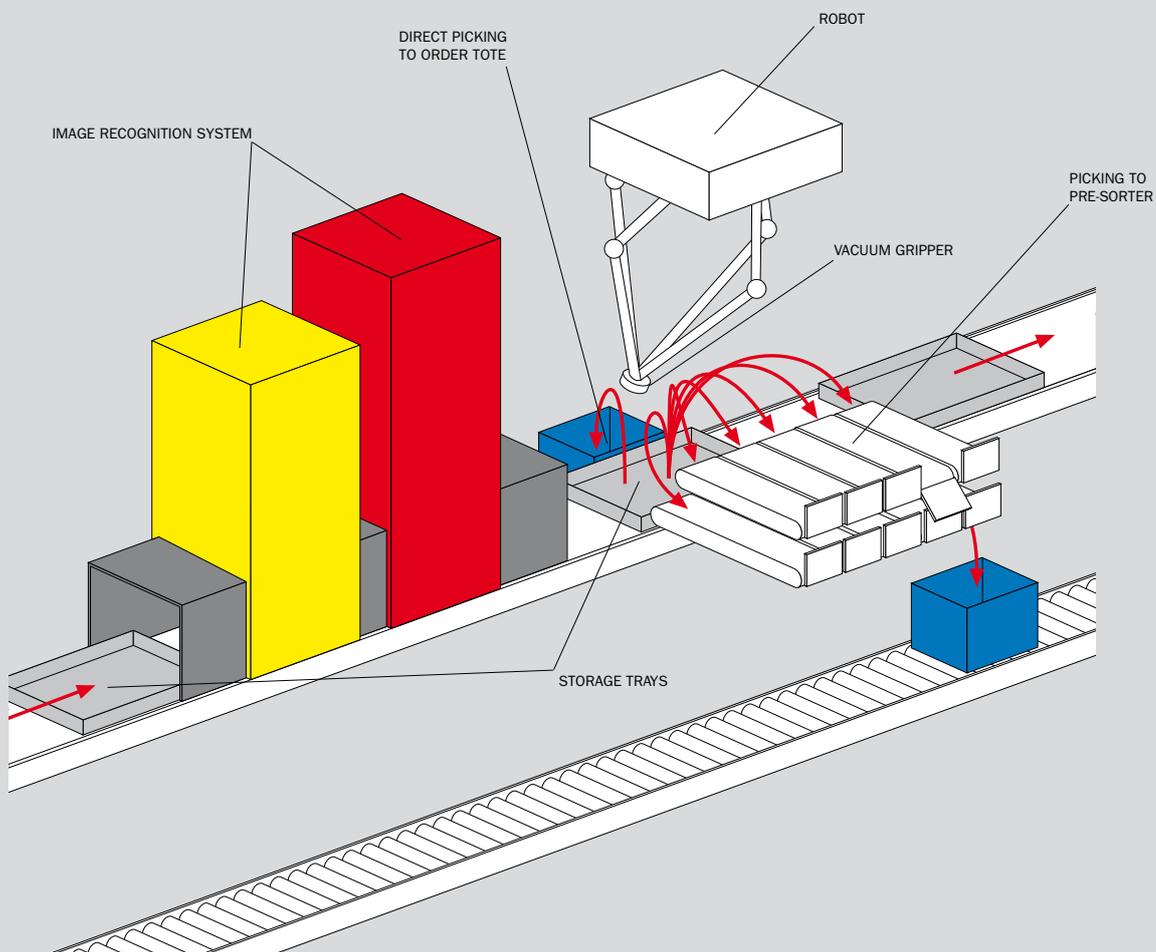
In addition to the SRP, SSI Schäfer's warehouse control system Convey enables you to perfectly coordinate the sequence of order and storage totes to make best possible use of the efficiency of the picking system.



# THE SRP PICKING PROCESS



The image recognition system especially developed for the SRP determines the position of the products on the storage trays.







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**SYSTEMZERTIFIZIERT**  
ISO 9001:2000 NR.03603/0  
OHSAS 18001:1999 NR.00168/0

 **UL** **US**  
**LISTED**  
FACTORY AUTOMATION EQUIPMENT  
289X



**SSI Schäfer Peem GmbH**  
Fischeraustraße 27  
A-8051 Graz  
Tel. +43/316/6096-0  
Fax +43/316/6096-457  
sales@ssi-schaefer-peem.com  
www.ssi-schaefer.com