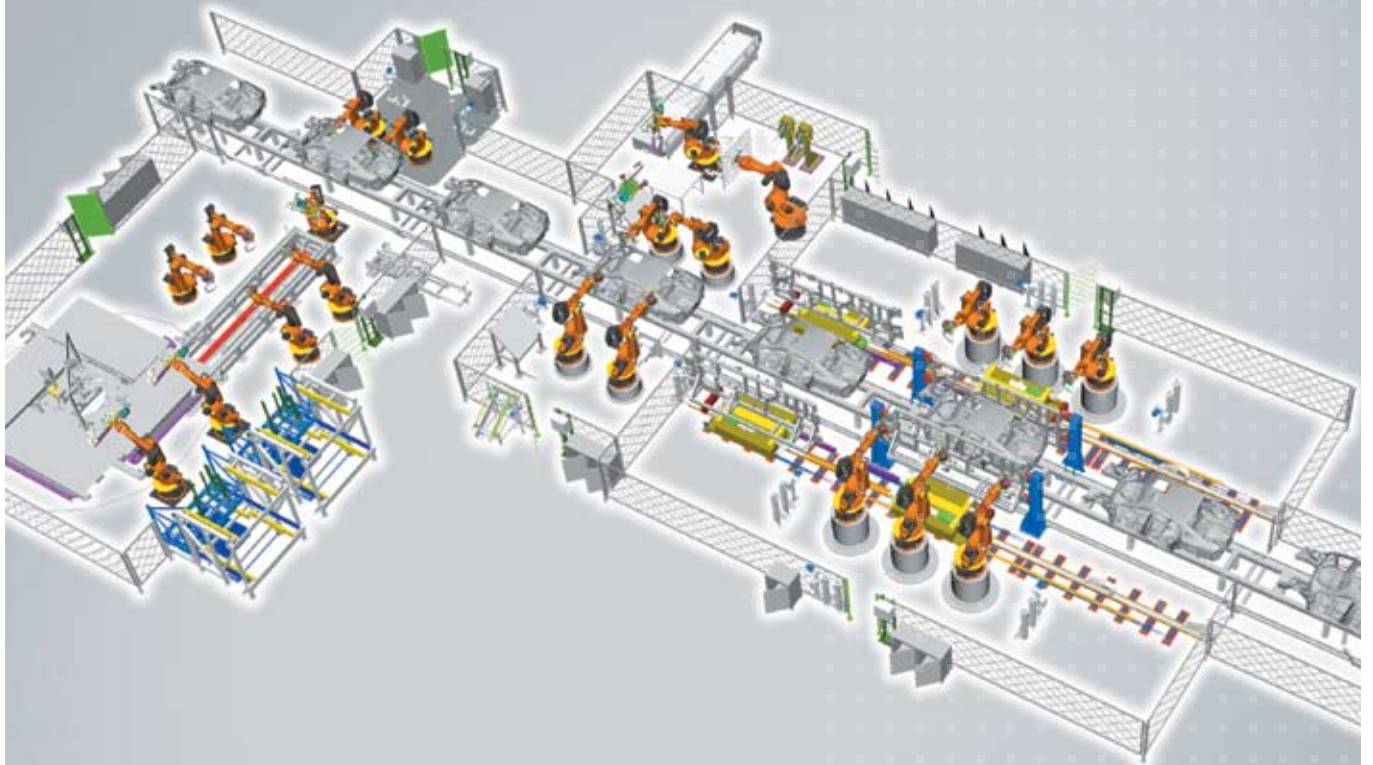


KUKA

KUKA STANDARD PRODUCTS FOR SYSTEMS ENGINEERING



■ GOOD REASONS FOR STANDARDIZED PRODUCTS

KUKA Systems offers an extensive range of standardized products for automated manufacturing. Our long years of experience in implementing manufacturing systems guarantees a high level of technical expertise and innovative potential. The know-how that we gain in our role as manufacturer and user is channeled directly back into the development of components. This results in mature, high-performance products which optimally meet the requirements of modern manufacturing with high process reliability.

The benefits of standardized components couldn't be clearer:

- Shorter planning and integration times
- Process reliability
- Cost-effectiveness
- High flexibility with regard to changes

We would be happy to show you more.

ROBOT PERIPHERY

KS ROBOT PEDESTAL



- Graduated range of robot pedestals for different robot types, from 30 mm to 2500 mm in height

KS TOOL CHANGER 210



- Flexible, automatic coupling and uncoupling of tools
- Payloads of up to 210 kg
- Versions for welding and handling operations
- Individually configurable

KS TOOL CHANGER 500



- Flexible, automatic coupling and uncoupling of tools
- Payloads of up to 500 kg
- Versions for welding and handling operations
- Individually configurable

KS GRIPPER



- High stiffness and accuracy
- Lightweight construction
- Modular system
- For handling, process and geometry applications
- Excellent variability and flexibility

SYSTEM COMPONENTS

KS MODULES FOR CLAMPING FIXTURES



- Rigorously designed, from the base frame to the clamping point
- Flexible with regard to changes
- Reduced adjustment time
- Reduced spare part requirements

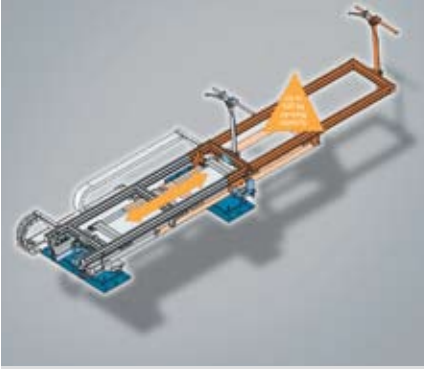
TRANSFER SYSTEMS

KS LIFT-AND-CARRY SHUTTLE



- Fast, cost-effective transfer system with high payload
- Modular design (3 - 10 stations)
- Compact design
- Driven by servomotors

KS PULL-OFF CART



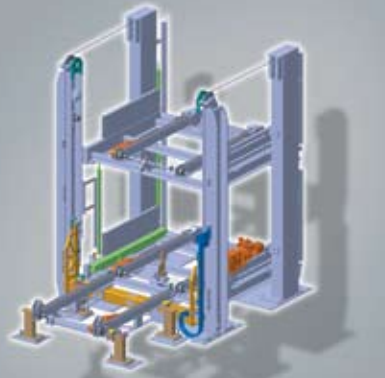
- Manual unloading and offloading of components
- Compact design with telescopic rails
- Payloads of up to 500 kg
- Ergonomic design

KS ROBOJIG



- Geometric clamping fixture for robotic handling
- Highly flexible concept for a theoretically unlimited number of fixtures in a single manufacturing cell
- Use of the robot's six degrees of freedom for handling and/or joining processes
- Can be used for small to medium-sized components
- Consistently lightweight construction
- Flexible in terms of capacity

KS RACK CHANGER



- Onloading and offloading of component racks
- Compact design
- Loading and unloading with fork lift truck
- Max. load 1700 kg
- Variable rack sizes

KS RACK TOWER



- Fixed rack positions
- Loading and unloading with fork lift truck
- Components removed alternately from the upper and lower racks

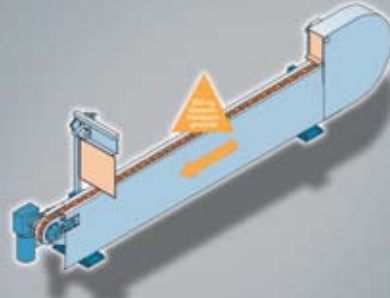
COMPONENT FEEDING

KUKA WORKPLACE AUTOMATION



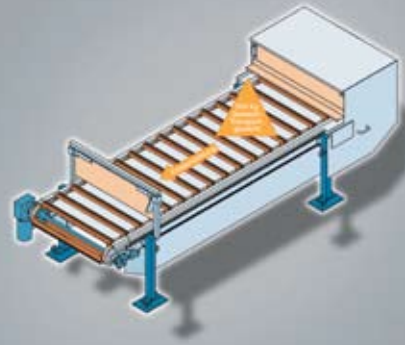
- Automated feeding of components into production systems
- Loading process largely independent of the system cycle
- Different magazine types available depending on the specific component and task
- Maximum buffer size with minimum floor space requirement

KS CHAIN MAGAZINE, SINGLE STRAND



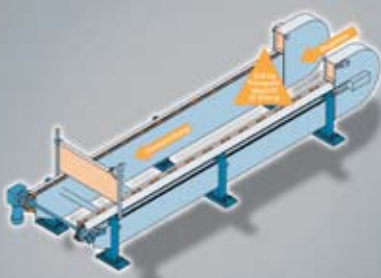
- Rapid, cost-effective feeding of components
- Compact design
- 250 kg payload
- Can be installed in an upright, inverted, or inclined position

KS CHAIN MAGAZINE, DOUBLE STRAND



- Rapid, cost-effective feeding of components
- Compact design
- 500 kg payload
- Can be installed in an upright, inverted, or inclined position

KS CHAIN MAGAZINE, DOUBLE STRAND, OPERATOR ACCESS



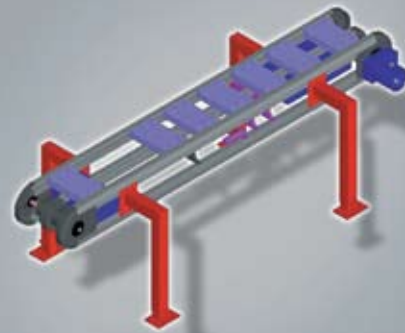
- Rapid, cost-effective feeding of components
- Compact design
- 500 kg payload
- Operator access between the strands
- Can be installed in an upright, inverted, or inclined position

KS OVERHEAD ACCUMULATING CONVEYOR



- High flexibility for component feeding
- Dimensions can be flexibly adapted
- Compact design
- High availability
- Simple maintenance

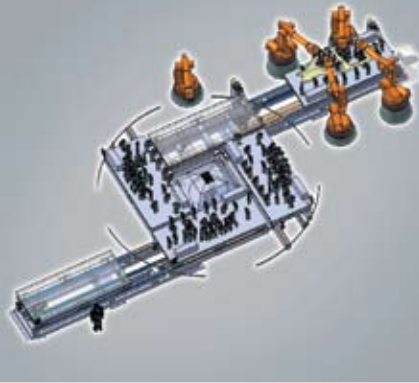
KS ACCUMULATING CONVEYOR ON THE FLOOR



- High flexibility for component feeding
- Dimensions can be flexibly adapted
- Compact design
- High availability
- Simple maintenance

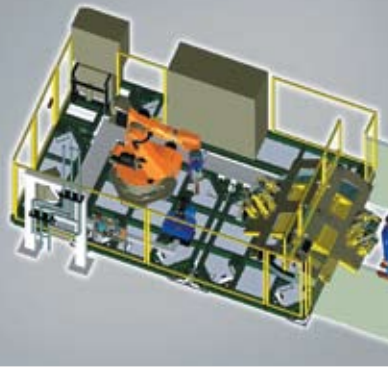
SYSTEMS EQUIPMENT

KS TURNFLEX



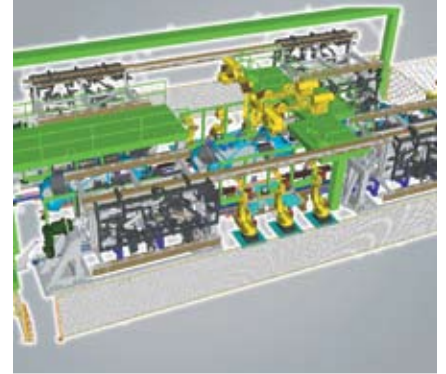
- Combines type flexibility and single tooling
- Geometry fixtures easily accessible
- Up to 4 mixed types possible
- Simple retrofit of new models
- Easy servicing of fixtures due to optional maintenance element

KS VARIOCELL

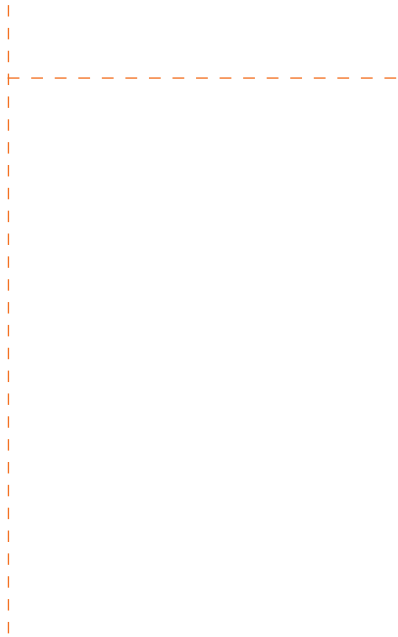


- Reduced cost and assembly time for relocating and reinstalling the line / cell
- Cable and hose installations easily accessible from outside
- All external elements connected to the KUKA VARIOCELL
- Energy and fluids supply (air, water, power) pluggable
- Easy access to the fastening points of the base frame

KS FRAMER



- Modular design ensures flexibility
- For 1 - 6 vehicle types
- Low space requirements
- Simple model change



KUKA

KUKA Systems – International

BELGIUM
BRAZIL
CHINA
CZECH REPUBLIC
FRANCE
GERMANY
INDIA
MEXICO
NORWAY
RUSSIA
SLOVAKIA
SOUTH KOREA
SWEDEN
UK
USA



WOULD YOU LIKE MORE INFORMATION ABOUT OUR STANDARD PRODUCTS FOR SYSTEMS ENGINEERING? JUST GIVE US A CALL AT TEL. **+49 821 797-1757** OR SEND AN E-MAIL TO **STANDARDS@KUKA.DE**. WE ARE THERE FOR YOU WHENEVER YOU NEED US.

KUKA Systems GmbH

Bluecherstr. 144 | 86165 Augsburg | Germany

Phone +49 821 797-0 | Fax +49 821 797-1991 | info@kuka.de | www.kuka.com