



UPGRADE CATALOGUE

BOOST YOUR MACHINE TO THE NEXT LEVEL



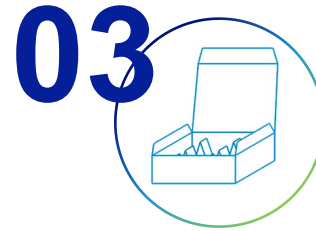
TOP-Service



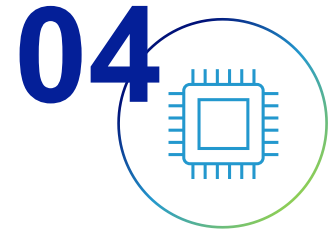
TUBE FEEDING
SYSTEMS



TUBE FILLING
MACHINES



CARTONING
MACHINES



SOFTWARE
UPGRADE



01

Tube Feeding
Systems

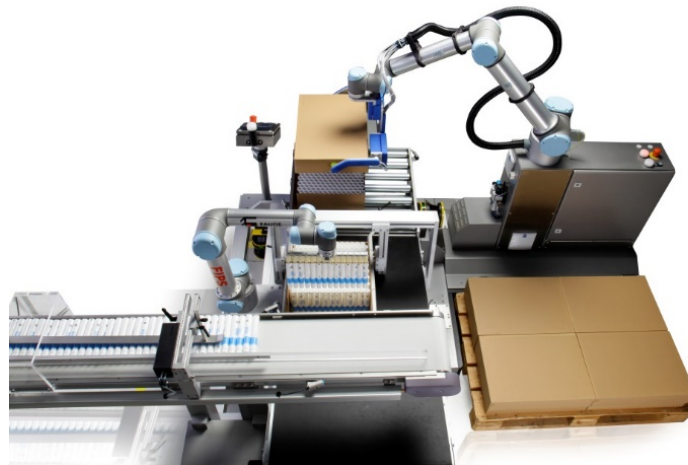
DE-PALLETIZING COBOT (IWK DPC)

SCOPE OF SUPPLY

A fully-automatic IWK Tube Infeed Cobot system for a smooth tube unloading from the tray into the tube filling machine. No guarding is needed around the unit, which gives the operator best accessibility. The system can feed up to 300 tubes/min.

YOUR BENEFITS

- High cost-efficiency
- Rapid amortization
- Interruption-free production
- Greater occupational safety
- Better handling
- Flexible installation



*Picture of the DPC and TZC

Machine Types	All TFS / FP (< 300 / min)
Delivery Time	5 Months
Installation Time	5 Days

TUBE FEEDING COBOT (IWK TZC)

SCOPE OF SUPPLY

A IWK Cobot system for fully automated unloading of empty - tube trays from the pallet including automatic lid removal. The system creates up to 1 hour tube buffer. No guarding is needed around the unit which gives the operator best accessibility.

YOUR BENEFITS

- High cost-efficiency
- Rapid amortization
- Interruption-free production
- Greater occupational safety
- Better handling
- Flexible installation



Machine Types	All TFS / FP (< 300 / min)
Delivery Time	5 Months
Installation Time	5 Days

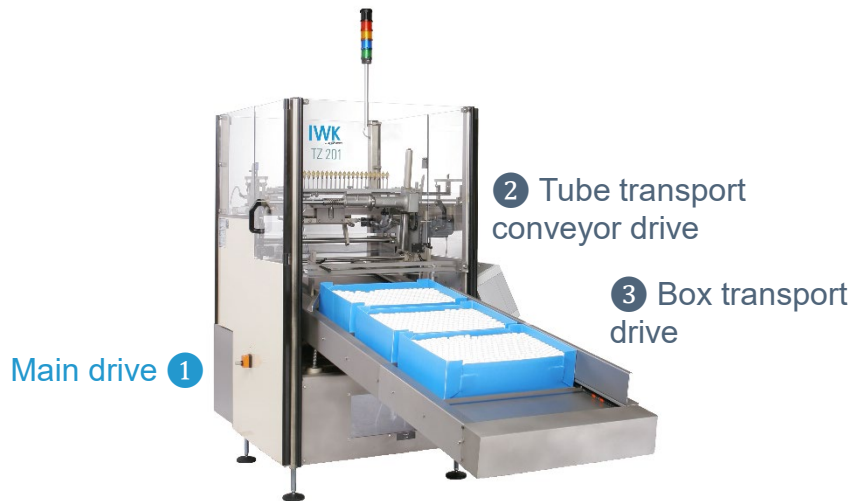
IWK TZ MAIN DRIVE

SCOPE OF SUPPLY

Replacement of the wear-prone regulating drive by a frequency-controlled gearbox incl. potentiometer, motor protection switch, optocoupler and wiring diagram.

YOUR BENEFITS

- Variable speed control using potentiometer
- Minimal noise generation
- Minimal mechanical load due to running infeed
- Easy conversion



Machine Types	TZ 101-204
Delivery Time	3 Months
Installation Time	1 - 2 Days

IWK TZ TUBE TRANSPORT CONVEYOR DRIVE

SCOPE OF SUPPLY

Replacement of the DC motor by a frequency regulated gearbox motor incl. sprockets, chain and frequency converter.

YOUR BENEFITS

- Availability of spare parts
- Easy retrofitting
- Optimal exploitation of performance ranges using frequency converter
- Available in all voltages



Machine Types	TZ 101-204
Delivery Time	3 Months
Installation Time	1 Day

IWK TZ BOX TRANSPORT DRIVE

SCOPE OF SUPPLY

Replacement of the pole alternating two-step gearbox by a gearbox motor with variable adjustment via the operator panel.

YOUR BENEFITS

- Variable speed adjustment
- Direct Installation on current frame
- Good value-for-money
- Availability of spare parts



Machine Types	TZ 101-204
Delivery Time	3 Months
Installation Time	1 Day

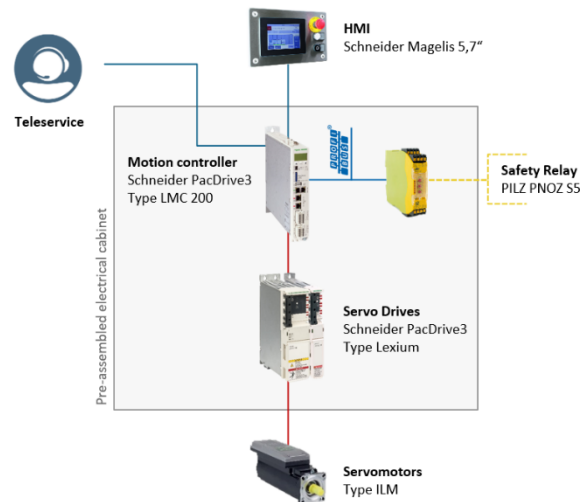
FULL CONTROL SYSTEM UPGRADE

SCOPE OF SUPPLY

Full upgrade to the latest Electric Schneider control system family PacDrive3. Besides of a new PLC the upgrade includes a new HMI, a new safety PLC as well as of a replacement of all motors to servo motors. In course of the conversion all obsolete parts within the machines will be replaced.

YOUR BENEFITS

- Simplified operation
- More powerful control system
- Latest servo technology
- Replacement of obsolete parts



Machine Types	TZ 101-204
Delivery Time	5 Months
Installation Time	7 Days



02

Tube Filling Machines

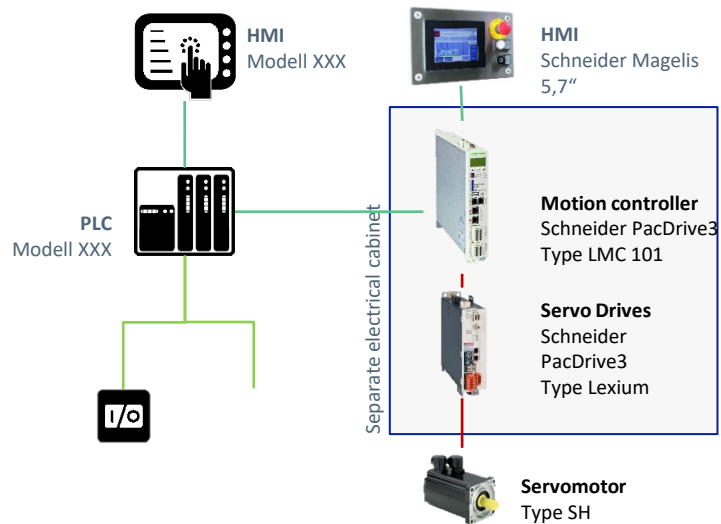
TUBE PRINT REGISTRATION

SCOPE OF SUPPLY

Electrical components delivered in a separate electrical cabinet with separate 5,7" Panel. Replacement of the respective drives by servo drives incl. documentation for retrofitting.

YOUR BENEFITS

- Latest servo technology
- Replacement of obsolete parts
- Available as an autarkic or integrated system
- Quick delivery time



Machine Types	TFS30 / TFS80-2
Delivery Time	2 Months
Installation Time	3 Days

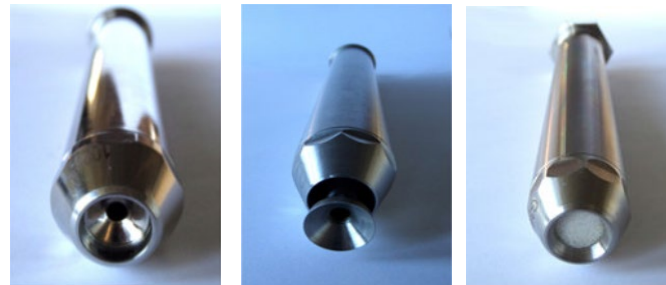
FILLING PIPE SET

SCOPE OF SUPPLY

Different filling pipe that can easily be swapped between each other in order to enable the customer to fill different products. Existing executions: shut-off, shut-off with blow-off, shut-off with blow-off and filter.

YOUR BENEFITS

- Specially composed to your needs
- Increasing adaptability on new products
- Time and cost saving when introducing new filling products



Machine Types	All TFS / All FP
Delivery Time	2 Months
Installation Time	1 Hour

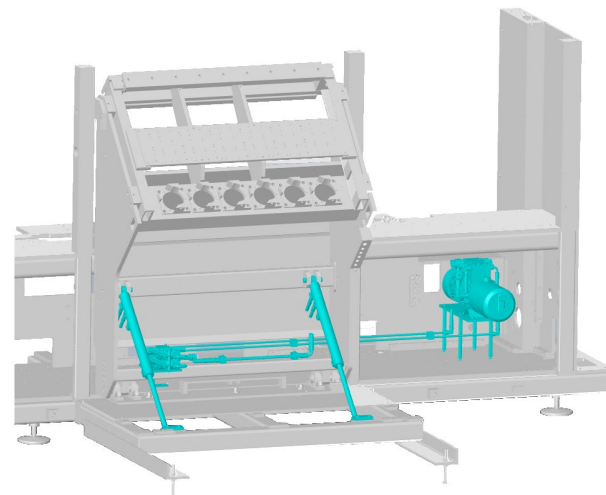
HYDRAULIC SWIVELLING SYSTEM

SCOPE OF SUPPLY

In order to increase the process reliability of replacing the product-contact parts, the swiveling system for the TFS80-6 filling module was replaced by hydraulically driven lifting cylinders. Due to a possible mechanical overload in the multicolor configuration.

YOUR BENEFITS

- Increase process reliability
- Reduction of wear



Machine Types	TFS 80-6
Delivery Time	4 Months
Installation Time	5 Days

HEATING CARTRIDGE MONITORING

SCOPE OF SUPPLY

Integration of a monitoring system for the heater cartridge.
In case of performance loss or damage of the heating cartridge a warning appears on the display.

This System is ready after one simple full-automatic calibration of the system.

YOUR BENEFITS

- Increase in process reliability
- Improvement of product quality control
- Easy retrofit with high added value



Machine Types	FP series
Delivery Time	2 Months
Installation Time	1 Day

PARALLEL PRESS

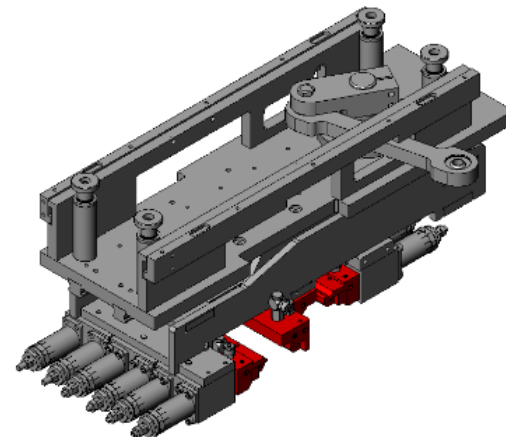
SCOPE OF SUPPLY

Upgrade for tool-free change over of the cooling and pressing jaws.

This allows you to change your cooling/pressing jaws using quick clamp devices by every format-change.

YOUR BENEFITS

- Toll-free format change over
- Reduction of change over time
- Retrofit of existing jaws



Machine Types	TFS 80-6
Delivery Time	4 Months
Installation Time	3 Days

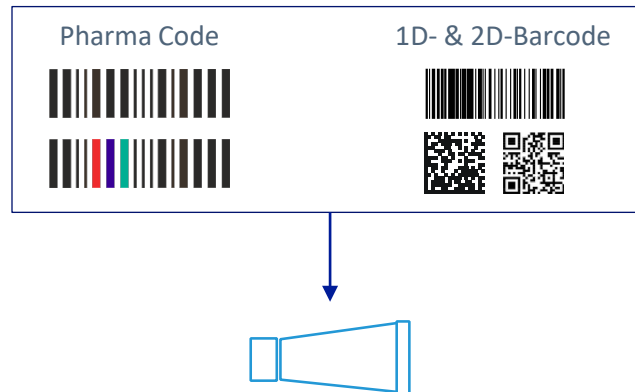
CODE READING

SCOPE OF SUPPLY

A code reading system specially adapted to your needs. The reading and processing of different types of codes is possible. As standard we install code reading systems of the manufacturers Laetus, Cognex and Keyence. Other systems can also be integrated.

YOUR BENEFITS

- Complete control of product & packaging material codes
- Wrong tubes and folding cartons will not be filled and safely rejected
- Proven technology also in high-speed lines



Machine Types	All Tubefillers
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, TUBE ROUNDNESS

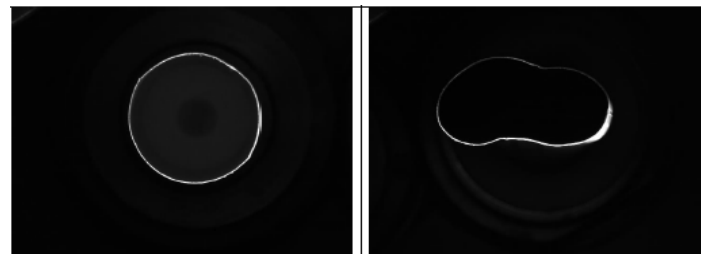
SCOPE OF SUPPLY

IWK offers numerous solutions for camera-supported monitoring and control functions.

The system can detect defects like dented tube rim, ovality outside tolerance field and tube position outside the defined tube center.

YOUR BENEFITS

- Ensure process safety & product quality
- Avoid malfunctions due to damaged packaging material
- Ensure Proven technology in tube filling machines including high-speed lines



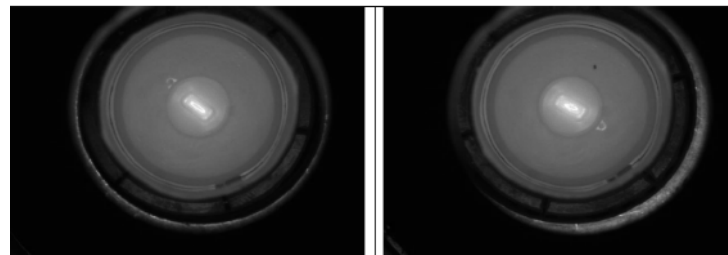
Machine Types	All TFS / All FP
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, TUBE PARTICLE-FREE

SCOPE OF SUPPLY

IWK offers numerous solutions for camera-supported monitoring and control functions.

The particle control system detects foreign particles in the tubes, suppresses the filling and / or rejects the tubes.



YOUR BENEFITS

- Ensure process safety & product quality
- detecting particles in the tubes with a minimal diameter of 0,5mm
- Proven technology in tube filling machines including high-speed lines

Machine Types	All TFS / All FP
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, TUBE PARTICLE-FREE

SCOPE OF SUPPLY

IWK offers numerous solutions for camera-supported monitoring and control functions.

The tube seal monitoring system detects whether a tube is not completely closed or incorrectly trimmed.



YOUR BENEFITS

- Ensure process safety & product quality
- Incompletely closed tubes (min. fault size 2mm)
- Incompletely trimmed tubes (min. fault size 2mm)
- Proven technology in tube filling machines including high-speed lines

Machine Types	All TFS / All FP
Delivery Time	5 Months
Installation Time	5 Days

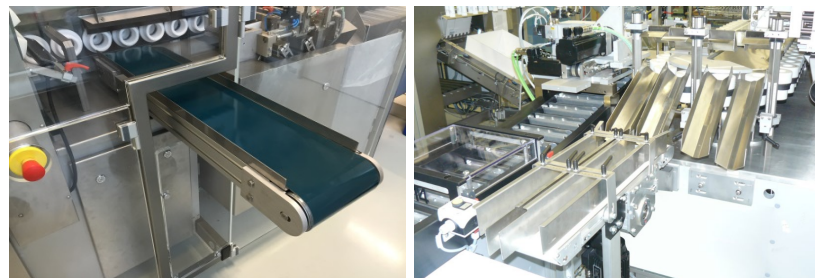
BULKWARE PACKAGING

SCOPE OF SUPPLY

Depending on the type of machine and the requirements, IWK offers a fully automatic bulk product dispensing system with and without subsequent quantity-controlled filling in shipping cartons.

YOUR BENEFITS

- Additional discharge station in addition to good and bad tube discharge station (station free)
- Quick change between standard and bulk production without format change over
- High flexibility in terms of product packaging

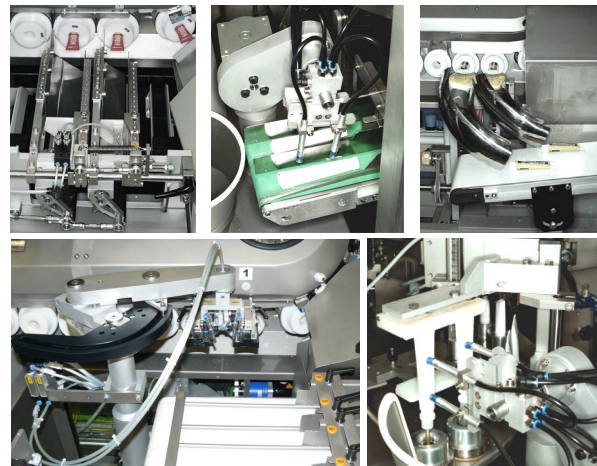


Machine Types	TFS80-1 / TFS80-2 / All FP
Delivery Time	7 Months
Installation Time	5 - 15 Days

TUBE DISCHARGE – TUBE FILLING MACHINES

SCOPE OF SUPPLY

Different tube discharging systems – adapted to your requirements.



YOUR BENEFITS

- Adaptable to the subsequent packaging processes
- Flexible machine line-up configuration
- Accurate product positioning

Machine Types	TFS30 / TFSE / TFS
Delivery Time	5 - 6 Months
Installation Time	5 - 10 Days

TUBE DISCHARGE – FILLING PLATFORMS

SCOPE OF SUPPLY

Different tube discharging systems – adapted to your requirements.

YOUR BENEFITS

- Adaptable to the subsequent packaging processes
- Flexible machine line-up configuration
- Accurate product positioning



Machine Types	All FP
Delivery Time	5 - 6 Months
Installation Time	5 - 10 Days

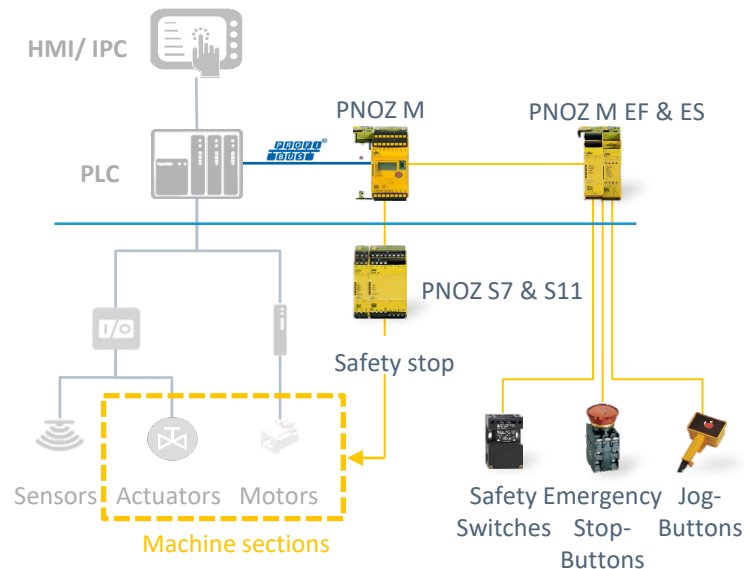
SAFETY SYSTEM UPGRADE

SCOPE OF SUPPLY

Complete upgrade of the safety control of your IWK machine. During the upgrade, a new safety PLC with new safety switches, emergency stop buttons and jog buttons are installed. This will increase the safety of your machine and bring it back into compliance with the latest regulations.

YOUR BENEFITS

- Individual query of all safety-relevant components
- Detection of shorts across contacts
- Simplified error analysis through improved teleservice support (extended analysis options of the safety PLC)
- Compliance with Performance Level D



Machine Types	All Tubefillers
Delivery Time	5 Months
Installation Time	8 Days

A man in a grey polo shirt is working on a complex industrial machine, likely a cartoning machine, in a factory setting. He is focused on his task, with his hands near the machinery. The background shows other industrial equipment and a bright, well-lit environment.

03

**CARTONING
MACHINES**

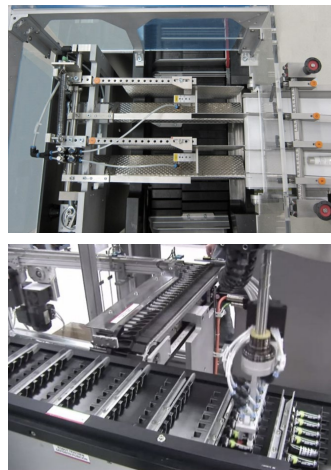
MULTIPACK

SCOPE OF SUPPLY

Would you like to have the possibility to also package 2 or 3 tubes into a folding box, e.g. for family or beneficial packs. Then our multi-pack conversion kits are just right. Depending on the type of machine, the conversion will allow you to optionally pack a group of 2 or 3 tubes in a folding box.

YOUR BENEFITS

- Cost-effective increase in product variety
- Flexible machine line-up configuration
- Accurate product positioning



Machine Types	SC4 / SC5 / SC6 / SC8
Delivery Time	5 - 6 Months
Installation Time	5 - 10 Days

MULTIPACK FOR HIGH-SPEED LINES (2-PACKS & 3-PACKS)

SCOPE OF SUPPLY

Would you like to have the possibility to also package 2 or 3 tubes into a folding box, e.g. for family or beneficial packs. Then our multi-pack conversion kits are just right.

YOUR BENEFITS

- Cost-effective increase in product variety
- Accurate product positioning



Machine Types	SC3
Delivery Time	6 - 7 Months
Installation Time	15 Days

ROTARY ARM TRANSFER

SCOPE OF SUPPLY

Continuous product transfer for up to 300 products/min

Different products can be fed (tubes, pouches etc.)

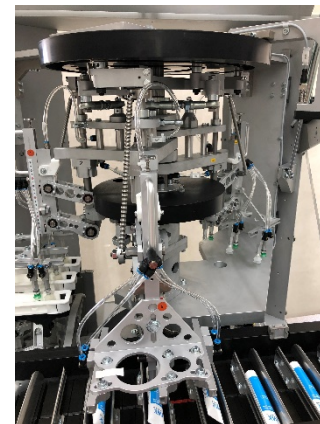
Smoother product handling than a flap transfer

Ensures a slim production line

Maintains tube orientation - ideal for tray packaging

YOUR BENEFITS

- Continuous product transfer for up to 300 products/min
- Different products can be fed (tubes, pouches etc.)
- Smoother product handling than a flap transfer
- Ensures a slim production line
- Maintains tube orientation - ideal for tray packaging



Machine Types	All cartoners
Delivery Time	6 - 7 Months
Installation Time	7 - 10 Days

UNIVERSAL TRANSFER SYSTEM (IWK UTS)

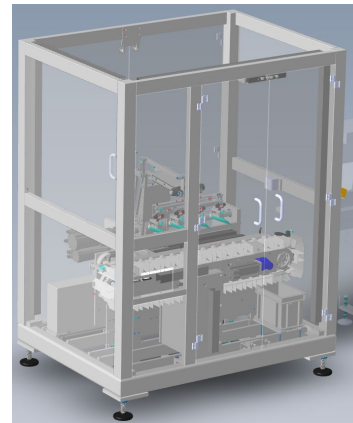
SCOPE OF SUPPLY

Our modular UTS transfer system can be combined with different infeed systems and for a variety of products (e.g. tubes, bottles, pouches, vials, blisters).

The System is available with 3 or 4 movable axis and is available as standalone and integrated version.

YOUR BENEFITS

- For each product optimal feeding and transfer solution
- Ideal for multipack products
- Controlled by its own or by the cartoning machine
- Transparent protective guarding made of polycarbonate (PC) for easy visibility of the function area



Machine Types	All cartoners
Delivery Time	6 Months
Installation Time	7 - 10 Days

IWK FEEDCELL

SCOPE OF SUPPLY

The FeedCell is our most advanced transfer system. The system can be combined with a variety of robotic and feeding systems and can be adapted to your application. The modular design ensures that a wide variety of application fields can be covered and almost all products can be transferred.

YOUR BENEFITS

- Modularized robot transfer system
- Customized solutions possible
- For each product optimal feeding and transfer solution
- Multipack products possible



Machine Types	All cartoners
Delivery Time	6 Months
Installation Time	10 Days

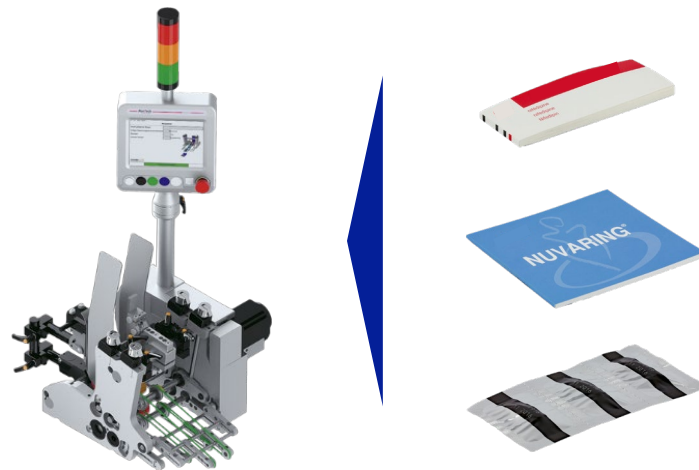
RONTECH BOOKLET FEEDER

SCOPE OF SUPPLY

Integration of a Friction Feeder for the insertion of booklets, pre-folded leaflets or pouches into the product chain. Optionally it is available with an additional tray magazine for bigger buffer capacity.

YOUR BENEFITS

- Reliable processing of pre-folded booklets and leaflets
- Easy handling during format changeovers
- Short changeover times
- Low maintenance requirements



Machine Types	All cartoners
Delivery Time	6 Months
Installation Time	5 Days

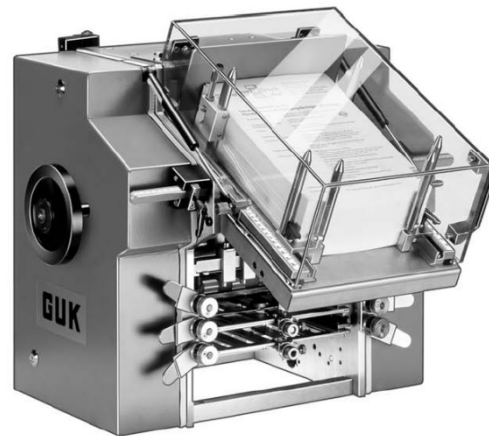
LEAFLET UNIT

SCOPE OF SUPPLY

By retrofitting a leaflet feeder to IWK cartoners, you have the option of feeding leaflets directly into your product cartons. The unit is easily accessible to ensure smooth operation and can fold and feed up to 500 leaflets / minute.

YOUR BENEFITS

- Easy and fast format changeover
- Different leaflet sizes and styles possible (sheets or excessive length)
- Four or six folding pockets possible
- Can be combined with code reading on leaflet
- Maintenance-free



Machine Types	All cartoners
Delivery Time	5 - 6 Months
Installation Time	5 Days

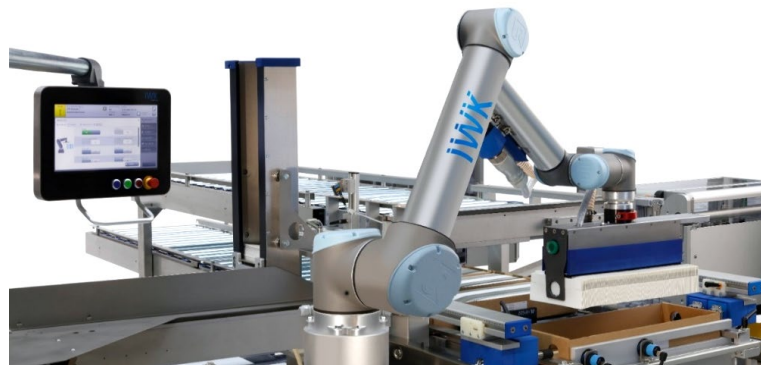
CARTON FEEDING COBOT - IWK CFC

SCOPE OF SUPPLY

The Carton Feeding Cobot (CFC) automatically feeds cartons into the carton magazine. This greatly simplifies your handling processes. In addition, the CFC cobot system guarantees best accessibility and at the same time ensures highest working safety.

YOUR BENEFITS

- Improved ergonomics for your employees
- Fast amortization
- Increased buffer (from 3 min to 15 min)
- Format change in less than 5 min
- Easy to retrofit
- Up to 450 cartons/min can be fed



Machine Types	All SC / All SI
Delivery Time	5 Months
Installation Time	5 Days

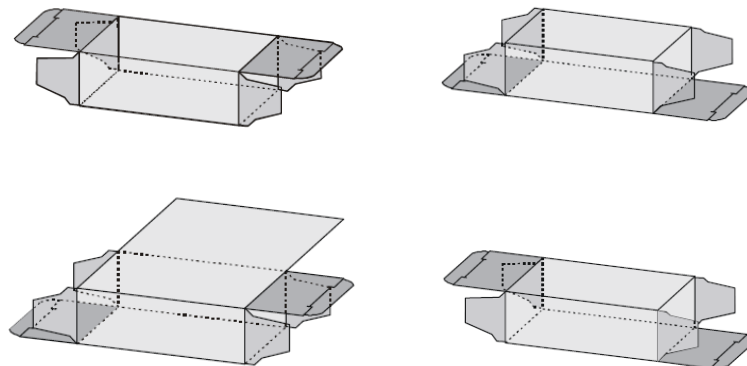
TUCK-IN CLOSURE

SCOPE OF SUPPLY

Conversion of your IWK cartoning machine to different versions of tuck-in closure.

YOUR BENEFITS

- High flexibility regarding the carton design
- Different tuck closure styles possible
- Available for all high-speed applications
- Possibility of a quick-change station between tuck and glue closure incl. parking position for the glue heads



Machine Types	All cartoners
Delivery Time	3 - 4 Months
Installation Time	2 - 5 Days

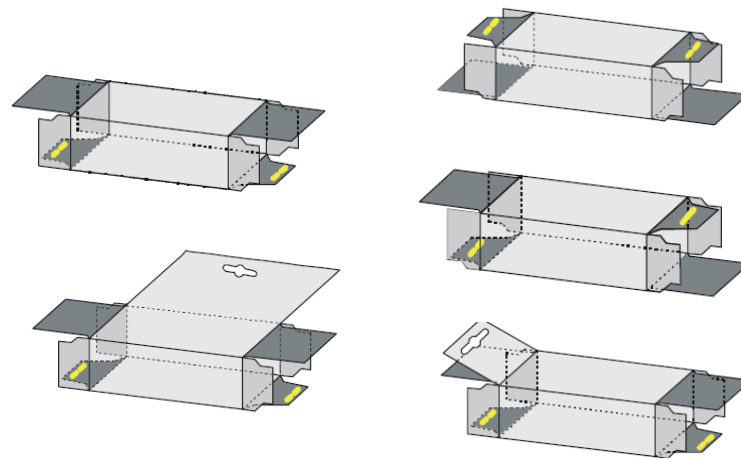
GLUE CLOSURE

SCOPE OF SUPPLY

Conversion of your IWK cartoning machine to different versions of glue carton closure.

YOUR BENEFITS

- High flexibility regarding the carton design
- Different glue closure styles possible
- Available for all high-speed applications
- Possibility of a quick-change station between tuck and glue closure incl. parking position for the glue heads

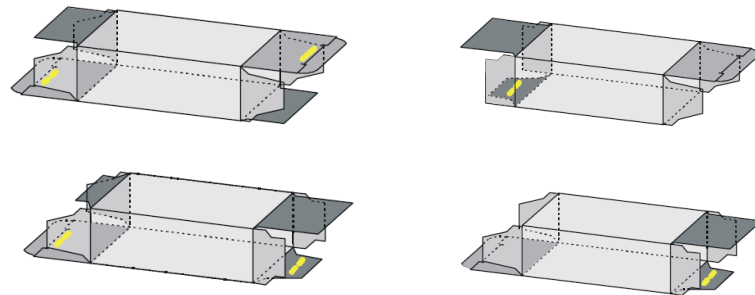


Machine Types	All cartoners
Delivery Time	3 - 4 Months
Installation Time	3 - 5 Days

COMBINED CARTON CLOSURE (SAFETY CLOSURE)

SCOPE OF SUPPLY

Conversion of your IWK cartoning machine to different versions of combined carton closure.



YOUR BENEFITS

- High flexibility regarding the carton design
- Different combined carton closure styles possible
- Available for all high-speed applications
- Possibility of a quick-change station between tuck and glue closure incl. parking position for the glue heads

Machine Types	All cartoners
Delivery Time	3 - 4 Months
Installation Time	3 - 5 Days

PRINT TECHNOLOGY – INKJET

SCOPE OF SUPPLY

Printing system to label your cartons. The system consists of an inkjet print system with encoder, print heads, mechanical holding parts with corresponding documentation and program adaptation of your machine.

YOUR BENEFITS

- Custom design of the print layout
- Intuitive label configuration via the control panel
- Content of the print is customizable (e.g. code, charge number, serial number etc.)
- Different fonts are possible
- Serialization options



Machine Types	All cartoners
Delivery Time	3 - 4 Months
Installation Time	3 - 5 Days

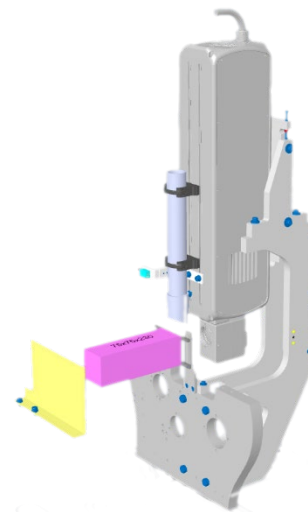
PRINT TECHNOLOGY - LASER

SCOPE OF SUPPLY

Printing system to label your cartons. The system consists of a laser system with separate touch panel, guiding and exhausting system including all relevant mechanical holding parts. Including update of the corresponding documentation and program adaptation of your machine.

YOUR BENEFITS

- Custom design of the print layout
- Intuitive label configuration via the control panel
- Content of the print is customizable (e.g. code, charge number, serial number etc.)
- Maintenance- & consumables-free
- Serialization options



Machine Types	All cartoners
Delivery Time	3 - 4 Months
Installation Time	3 - 5 Days

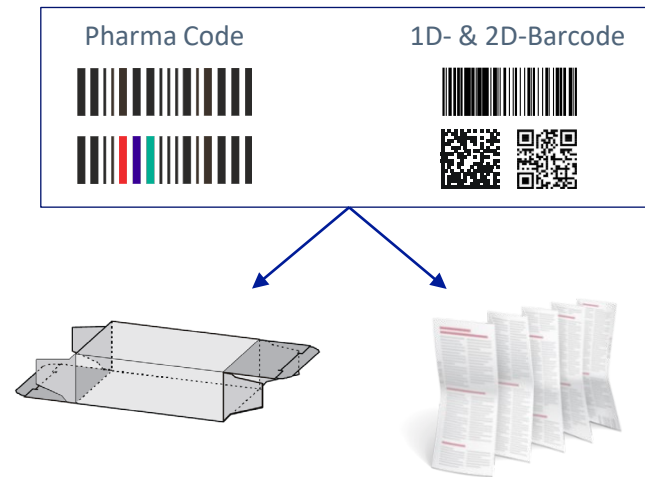
CODE READING

SCOPE OF SUPPLY

A code reading system specially adapted to your needs. The reading and processing of different types of codes is possible. As standard we install code reading systems of the manufacturers Laetus, Cognex and Keyence. Other systems can also be integrated.

YOUR BENEFITS

- Complete control of product & packaging material codes
- Wrong tubes and folding cartons will not be filled and safely rejected
- Proven technology also in high-speed lines



Machine Types	All cartoners
Delivery Time	5 Months
Installation Time	5 Days

CAMERA CONTROL SYSTEMS

SCOPE OF SUPPLY

A camera inspection system specially adapted to your needs. We offer numerous solutions to cover different applications for print control (OCV & OCR), quality monitoring (presence control & completeness control) and product inspection.

YOUR BENEFITS

- Fully automated and complete product quality control
- Ensures maximum production transparency
- All incorrect or incomplete products are safely rejected

OCV / OCR



Product Inspection



Presence Check



Machine Types

All cartoners

Delivery Time

5 Months

Installation Time

5 Days

INTEGRATED CHECKWEIGHER

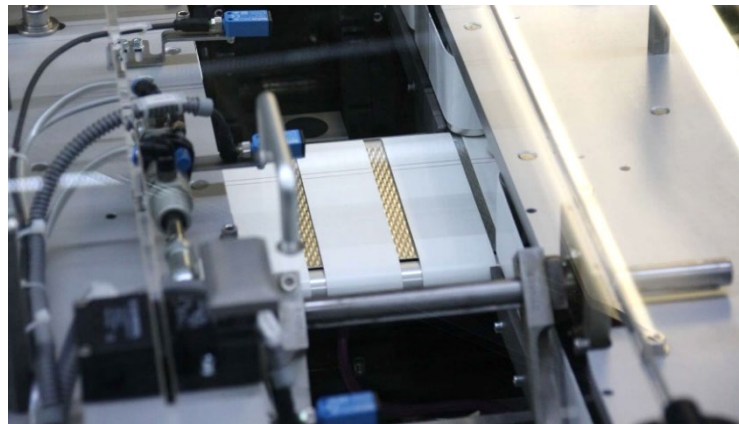
SCOPE OF SUPPLY

New outfeed conveyor with integrated checkweigher incl. 15" touchscreen HMI and product discharge station.

The weights of the packs are collected and saved on the checkweigher. Cartons detected as incorrect are ejected via the discharge station and collected in a separate container.

YOUR BENEFITS

- Maximum production transparency
- Minimal space requirements
- Easy to upgrade / retrofit



Machine Types	All cartoners
Delivery Time	5 Months
Installation Time	7 Days

A photograph of two men in a factory setting. The man on the left is older, with grey hair and glasses, wearing a black polo shirt. The man on the right is younger, with dark hair and a beard, also wearing a black polo shirt. They are both looking at a large industrial machine with a screen. The man on the right is pointing at the screen. The background is a blurred factory floor with various equipment and lights. A large, stylized number '04' is overlaid on the right side of the image, with a blue-to-green gradient.

04

**ELECTRICAL
UPGRADES**

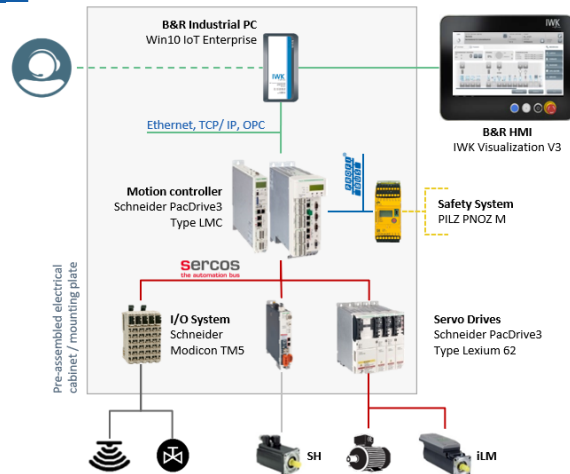
COMPLETE CONTROL SYSTEM UPGRADE

SCOPE OF SUPPLY

Upgrade your machine's control system to the latest Schneider Electric PacDrive3 generation. During the upgrade, the industrial PC, HMI and safety control system will also be upgraded to the latest technology and you will receive our latest machine visualization. Moreover, all servo motors, actuators and sensors will be replaced.

YOUR BENEFITS

- Replacement of all obsolete control system parts
- Extension of the machine life-time
- Reduction of production breakdown risk
- Restoring the availability of spare parts



Machine Types	All machines
Delivery Time	7 Months
Installation Time	2 - 3 Weeks / machine

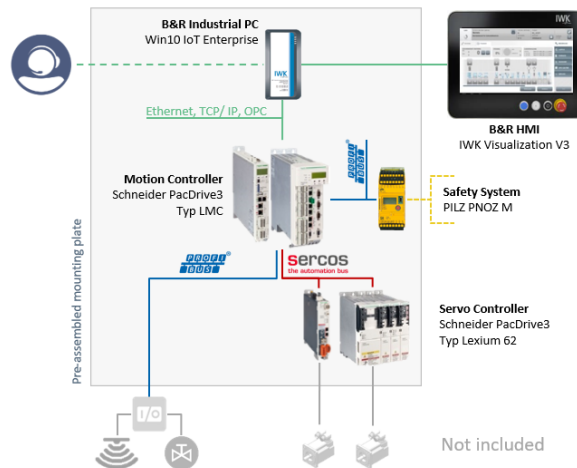
PARTIAL CONTROL SYSTEM UPGRADE

SCOPE OF SUPPLY

Upgrade your machine's control system to the latest Schneider Electric PacDrive3 generation. During the upgrade, the industrial PC, HMI and safety control system will also be upgraded to the latest technology, and you will receive our latest machine visualization.

YOUR BENEFITS

- Replacement of the most important obsolete control system parts
- Extension of the machine life-time
- Reduction of production breakdown risk
- Restoring the availability of spare parts
- Best compromise between upgrade and downtime



Machine Types	Schneider/ELAU PacDriveM
Delivery Time	5 Months
Installation Time	2 Weeks / machine

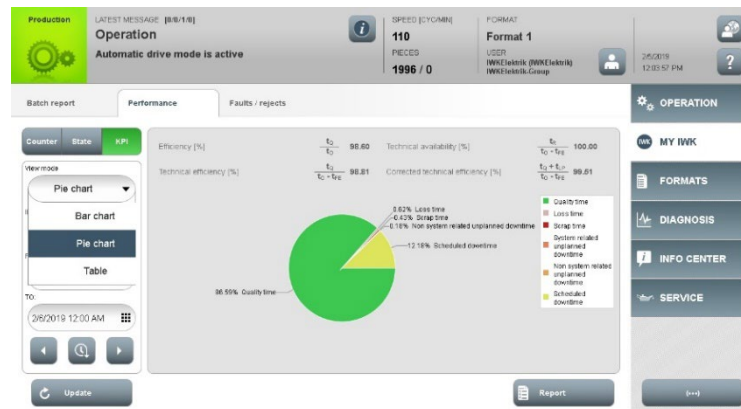
PRODUCTION MONITORING

SCOPE OF SUPPLY

Our Production Monitoring extends your machine software with additional functions for acquisition and visualization of machine states and process values. It also includes a calculation of all relevant OEE Key Performance Indicators (KPIs) according to DIN 8743 and provides the optimal basis for evaluating and increasing your OEE.

YOUR BENEFITS

- Detailed visualization of all relevant KPIs
- Basis for increase in overall equipment effectiveness
- Allows detailed error analysis over a specific time frame
- Easy implementation



Machine Types	FP- and SC with PacDrive3
Delivery Time	2 - 3 Weeks
Installation Time	1 Day

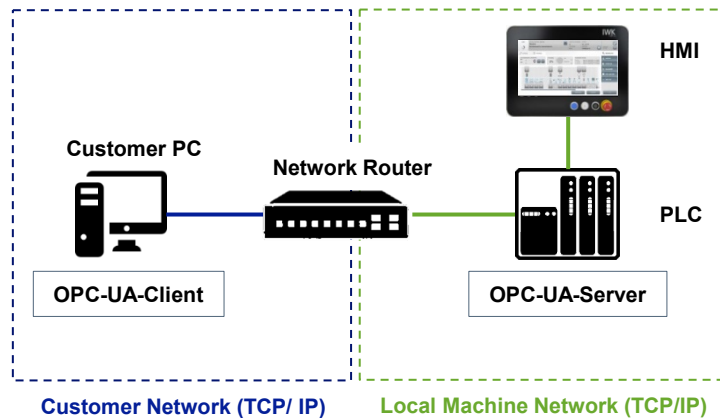
OPC-UA SERVER

SCOPE OF SUPPLY

Preconfigured OPC-UA-Server as part of PLC firmware / program to enable a customer specific access to process values in machine PLC such as production counter, monitoring counter and fault messages. The customer network is separated from the machine network by using a network router.

YOUR BENEFITS

- Flexible, future-proof and expandable architecture
- Safety is guaranteed
- Uniform interface



Machine Types	All machines
Delivery Time	2 - 3 Weeks
Installation Time	1 Day

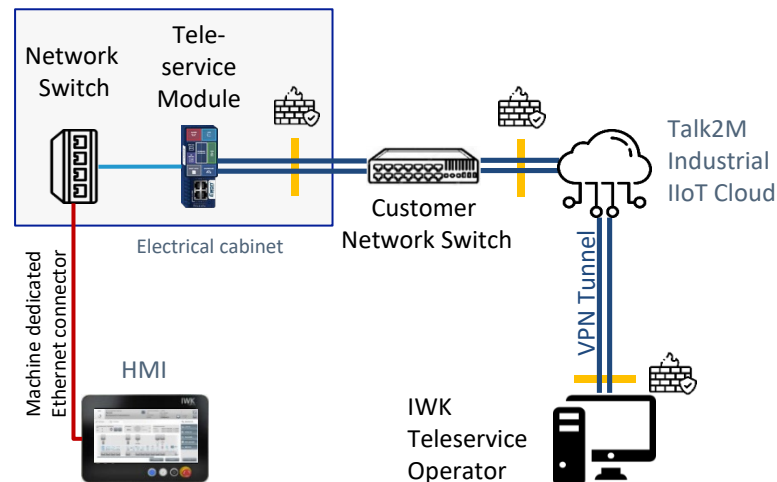
IWK TELESERVICE MODULE

SCOPE OF SUPPLY

New fully configured teleservice module that is plug & play ready for use. This module enables to perform remote support via a multi-secured broadband connection. This module enables our experts to provide you with targeted troubleshooting support.

YOUR BENEFITS

- Out of the box
- Fast and stable data exchange
- Highest data security
- Fast and targeted troubleshooting and error elimination



Machine Types	All
Delivery Time	8 - 10 Weeks
Installation Time	1 Hour

IWK

an  company