



UPGRADE CATALOGUE

BOOST YOUR MACHINE TO THE NEXT LEVEL



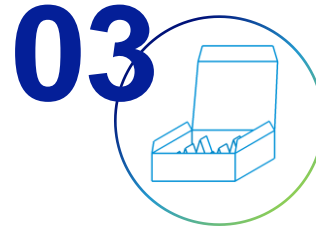
TOP-Service



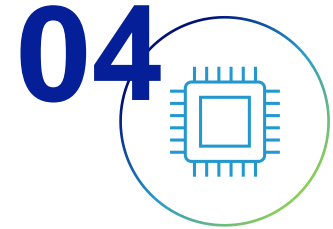
TUBE IN-FEED
SYSTEMS



TUBE FILLING
MACHINES



CARTONING
MACHINES



SOFTWARE
UPGRADE



01

**TUBE IN-FEED
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

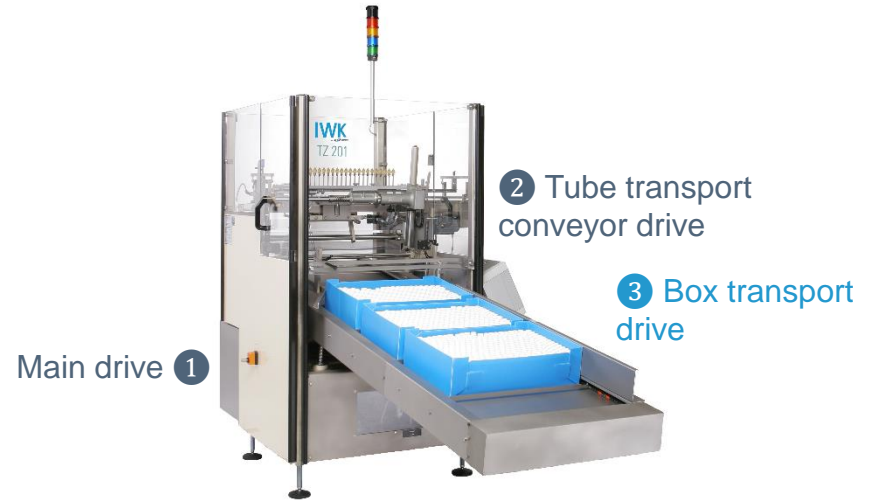
IWK TZ BOX TRANSPORT DRIVE

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

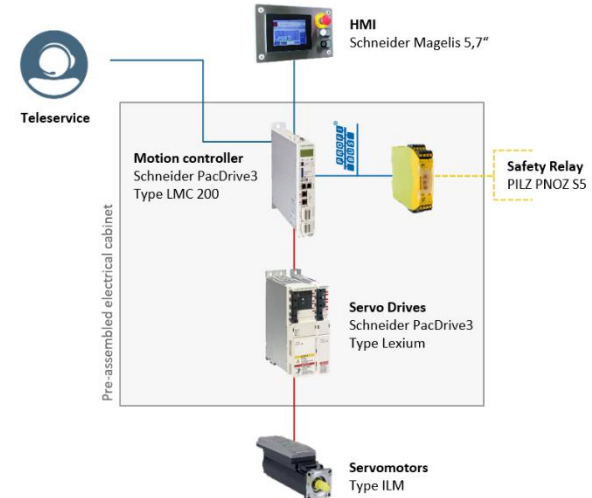
FULL CONTROL SYSTEM UPGRADE

SCOPE OF SUPPLY

Full upgrade to the latest Electric Schneider control system family PacDrive3. Besides 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

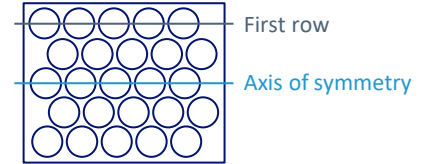


Machine Types	TZ 101-204
Delivery Time	5 Months
Installation Time	7 Days

BOX PLACEMENT MONITORING

SCOPE OF SUPPLY

Monitoring mechanism to check the first tube row position during the entry process. In the case of symmetrical tube arrangement, this function ensures that the empty tube box is not processed with the wrong orientation, which would damage the empty tubes.



YOUR BENEFITS

- No interruptions or damage due to incorrectly positioned boxes
- Improved degree of efficiency
- Easy format conversion using quick change function

Machine Types	TZ 10x and TZ 20x
Delivery Time	12 - 14 Weeks
Installation Time	1 Day



02

TUBE FILLING
MACHINES

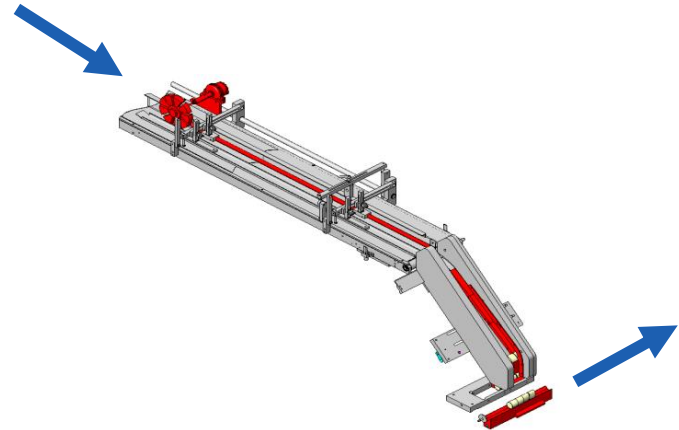
OVAL TUBE INFEED

SCOPE OF SUPPLY

Additional pre-alignment of the tubes, already on the transport conveyor, guarantees smooth entry of the oval tubes into the infeed chutes. This increases the diversity of the products processing with IWK tube fillers.

YOUR BENEFITS

- Extension of product portfolio
- No additional change over time between cylindrical and oval tubes



Machine Types	All tube fillers
Delivery Time	3 Months
Installation Time	5 Days

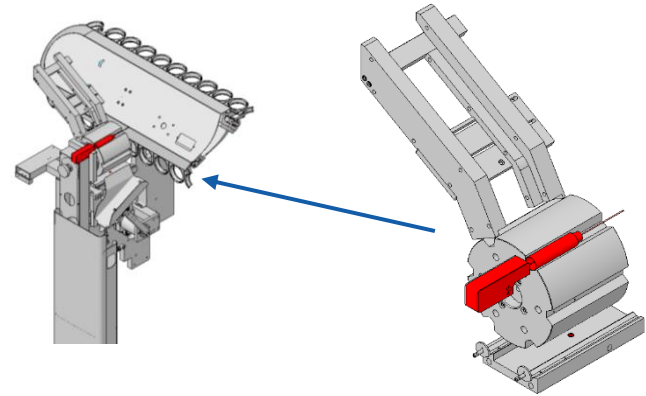
TUBE POSITION MONITORING

SCOPE OF SUPPLY

Monitoring of the correct tube position by a diffuse-reflective sensor. This ensured that only correct oriented tube being inserted. The sensing range of the sensor can be adjusted to format ranges.

YOUR BENEFITS

- Early recognition of misoriented tubes
- Safeguarding of subsequent processes
- Lower downtimes



Machine Types	All tube fillers
Delivery Time	3 Months
Installation Time	3 Days

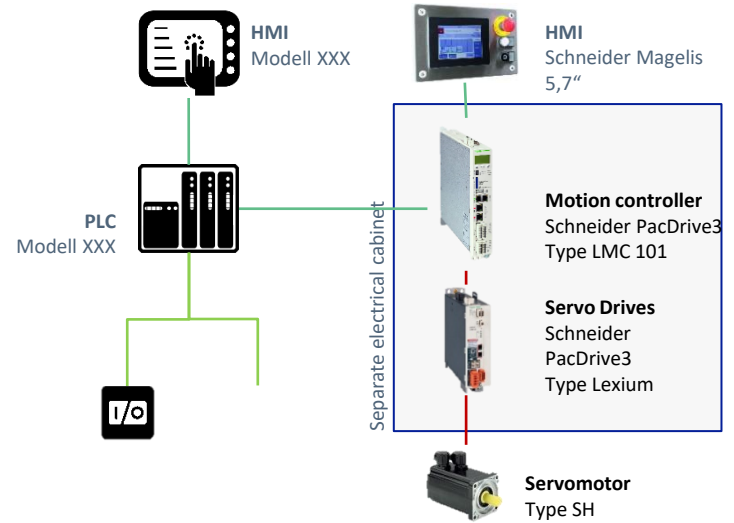
TUBE PRINT REGISTRATION

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

PRODUCT INFEED

SCOPE OF SUPPLY

Different systems offer a series of product infeed solutions for all tube filling machines that are aligned with the specific requirements of the different products and infrastructure. The portfolio ranges from a standard hopper to a direct product connection.

YOUR BENEFITS

- Product processing of a big range of viscosity
- Very precise filling
- Customized solutions available



Machine Types	All tube fillers
Delivery Time	4-5 Months
Installation Time	8 Days

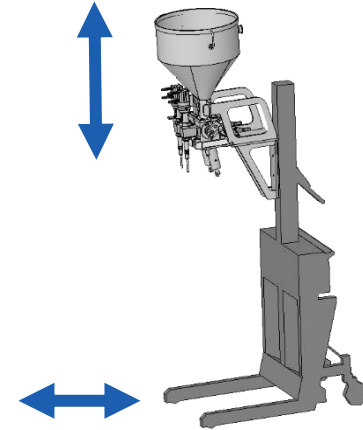
PRODUCT CONTACT PARTS WITH CART

SCOPE OF SUPPLY

Electrically operated lifting cart with adjustable lifting tackle as well as docking parts for positioning of the lifting cart. All contact parts can be lifted out block wise as one complete assembly for external dismantling and cleaning. Electrical screw driven forklift with exhaust brake can be handled easily by one operator and carries up to 225 kg.

YOUR BENEFITS

- Improvement of ergonomic work
- Reduction of format change over time
- Less manpower required



Machine Types	All TFS
Delivery Time	4-5 Months
Installation Time	4 Days

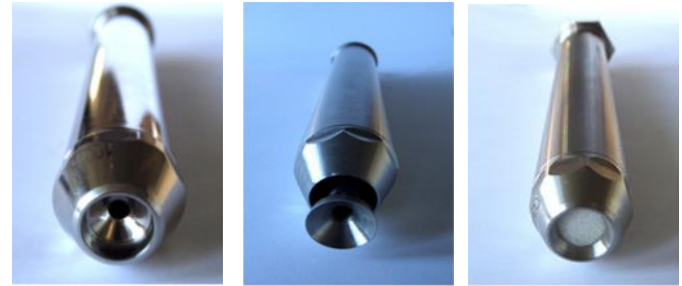
SET OF FILLING PIPES

SCOPE OF SUPPLY

Different filling pipes 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

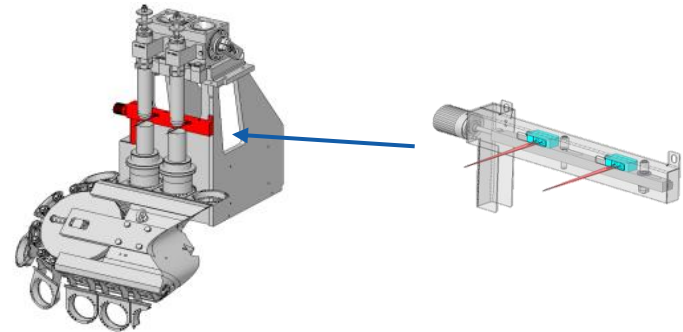
FILL PIPE MONITORING

SCOPE OF SUPPLY

Monitors whether a tube is sticking to the filling pipe. If yes, the tube filler is stopping immediately to prevent any crash.

YOUR BENEFITS

- Safety appliance for the filling components
- Less cleaning required
- Reduced downtimes
- Safeguarding of subsequent processes



Machine Types

All tube fillers

Delivery Time

3 Months

Installation Time

3 Days

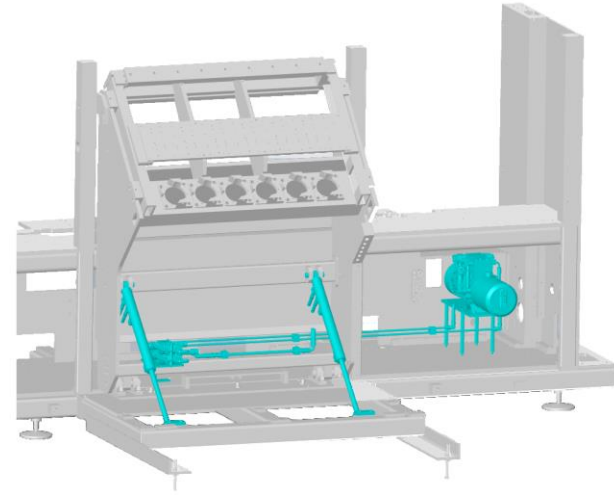
HYDRAULIC SWIVELLING SYSTEM

SCOPE OF SUPPLY

In order to increase the process reliability of replacing the product-contact parts, the swivelling system for the TFS80-6 filling module was replaced by hydraulically driven lifting cylinders.

YOUR BENEFITS

- Recommended for heavy mechanical load (multicolor applications)
- Increase process reliability
- Reduction of wear



Machine Types

TFS 80-6

Delivery Time

4 Months

Installation Time

5 Days

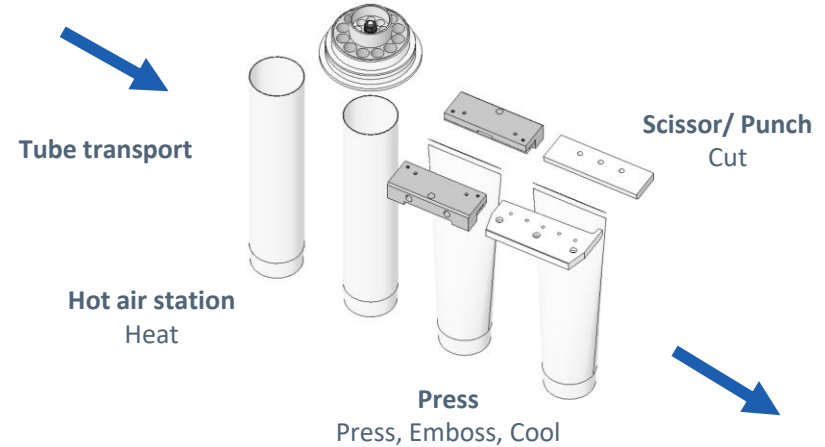
HOT AIR SEALING SYSTEM

SCOPE OF SUPPLY

Hot-air sealing station for plastic, plastic laminate (PBL) and aluminium laminate tubes (ABL). Straight weld seams as well as different contour seals are possible.

YOUR BENEFITS

- Robust design
- High performance heating element
- Energy-efficient pre-Heating (without water)
- Servo drive as an option for contour welds



Machine Types	All Tubefillers
Delivery Time	5 Months
Installation Time	8 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

HIGH FREQUENCY CLOSURE

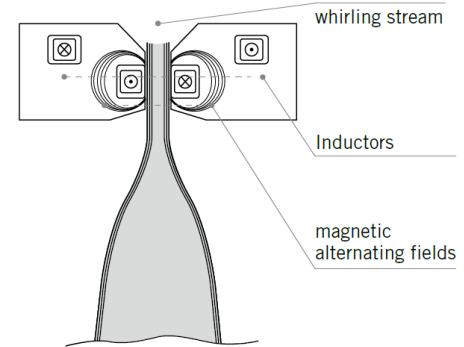
SCOPE OF SUPPLY

The HF – Closure is suitable for closing laminate tubes, which have a slim layer of aluminum. ABL tubes with straight weld. Serrated or flat tube fold

YOUR BENEFITS

- No hot parts near the open product or hot exhaust air.
- No size parts and no cool down time at format change
- Energy savings

High frequency sealing with double inductor system



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

PARALLEL PRESS

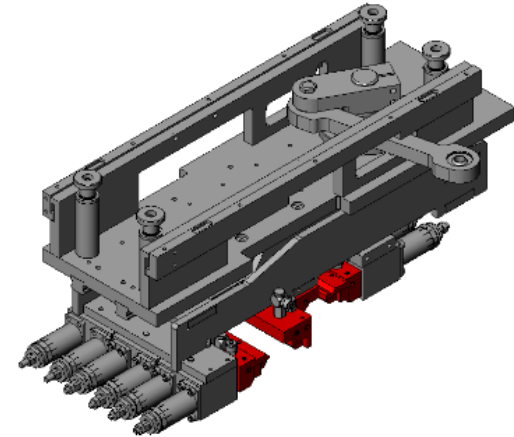
SCOPE OF SUPPLY

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

- Tool-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

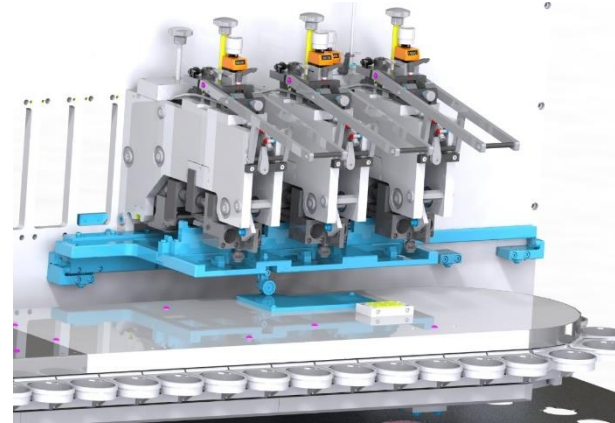
FAST FORMAT PART CHANGE OVER PUNCHING TOOLS

SCOPE OF SUPPLY

Punching station(s) in quick change over version. This module includes punching format tools quick change plate (2 versions up to \varnothing 52 mm or bigger than \varnothing 52 mm), combined with a quick change slide, modified machine guarding and suction chute.

YOUR BENEFITS

- Simplified changeover
- Reduced changeover times
- Increased ergonomics
- Compatible with all IWK FP tube fillers



Machine Types	FP 18, FP 34, FP 46, FP 64
Delivery Time	4 Months
Installation Time	5 Days

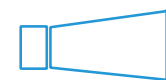
CODE READING

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 Tubefillers
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, TUBE ROUNDNESS

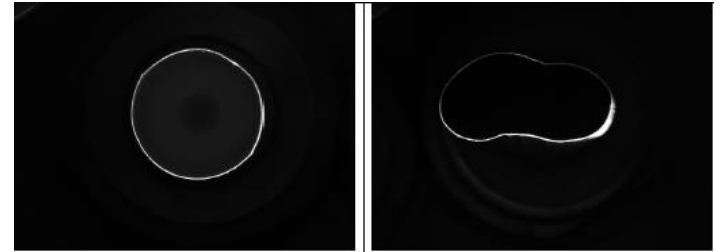
SCOPE OF SUPPLY

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
- Proven technology for tube filling machines including high-speed lines

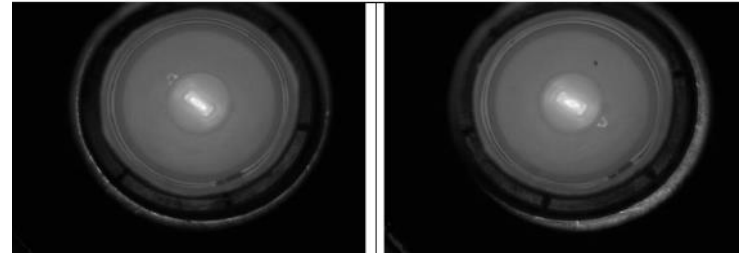


Machine Types	All TFS / All FP
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, PARTICLE CONTAMINATION

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

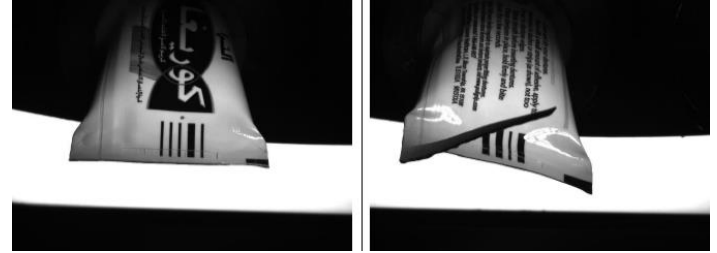
Machine Types	All TFS / All FP
Delivery Time	5 Months
Installation Time	5 Days

MONITORING, TUBE SEALING

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

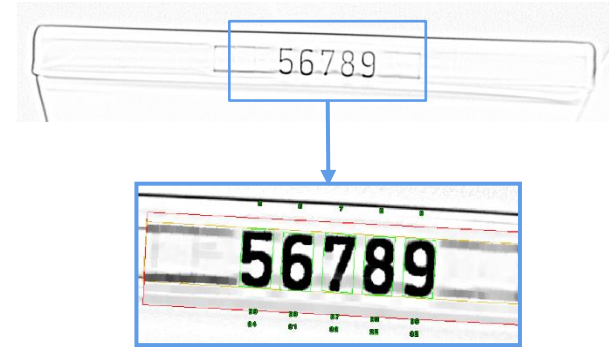
- Ensure process safety & product quality
- Incompletely closed tubes (min. fault size 2mm)
- Incompletely trimmed tubes (min. fault size 2mm)
- Proven technology in tube filling machines including high-speed lines

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

EMBOSSING VERIFICATION (OCR)

SCOPE OF SUPPLY

Our embossing control system evaluates the embossing on the tube fold with the help of several camera images and the corresponding algorithm. This complete inspection of all tubes ensures that your tubes are embossed correctly and that the quality of the embossing is appropriate.



YOUR BENEFITS

- Ensuring correct embossing for maximum production transparency
- Reading of both sides of the tube fold possible
- Applicable for both metal and plastic tubes
- Also suitable for high-speed applications

Machine Types	All FPx
Delivery Time	5 - 6 Months
Installation Time	10 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

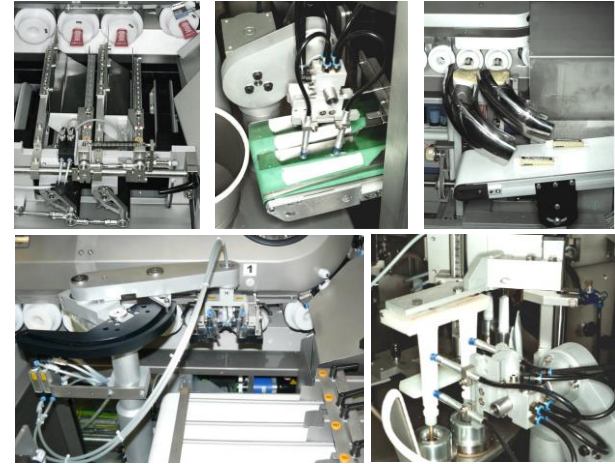
TUBE DISCHARGE – TUBE FILLING MACHINES

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



03

CARTONING
MACHINES

MULTIPACK

SCOPE OF SUPPLY

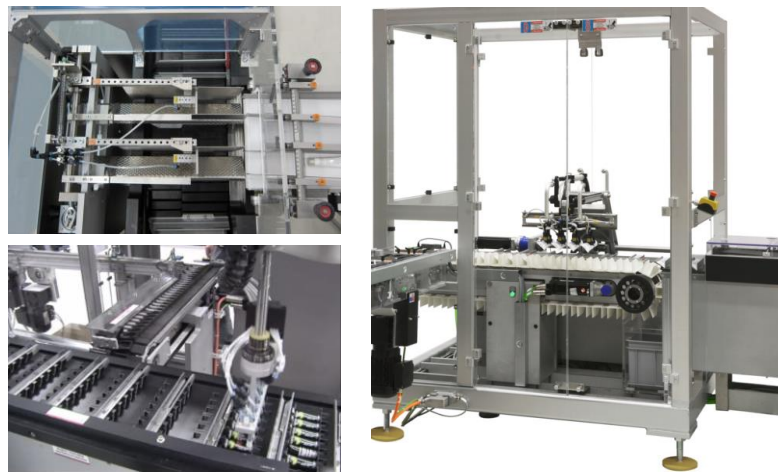
Would you like to have the possibility to also package 2 or 3 tubes into a folding box, e.g. for family or beneficial packs?

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

The rotary arm transfer is a rotary pick & place transfer station for a continuous and smooth transfer of tubes for 1-3 lanes. The transfer station is equipped with an infeed belt with a length up to 2000 mm. The products will come on a transfer conveyor and transferred into the continuous running product chain of the cartoner.

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)

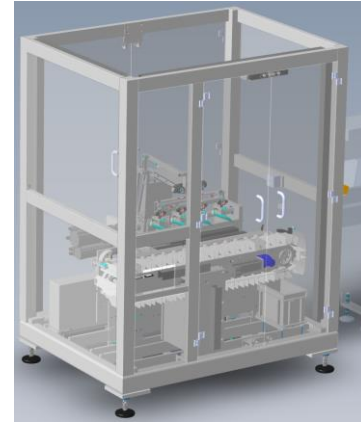
SCOPE OF SUPPLY

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 independently 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

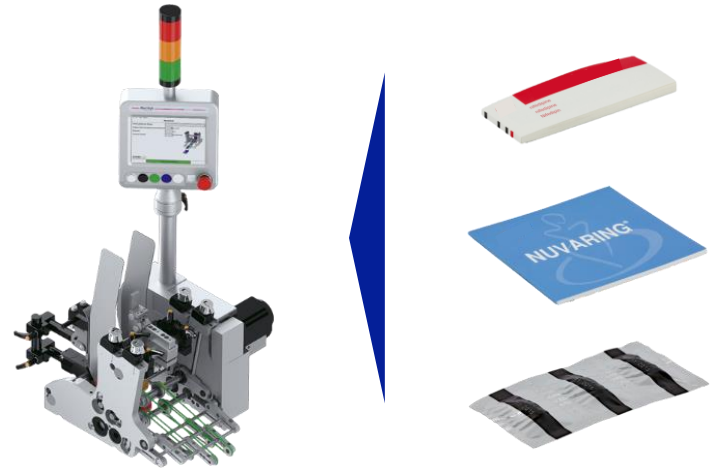
RONTECH BOOKLET FEEDER

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

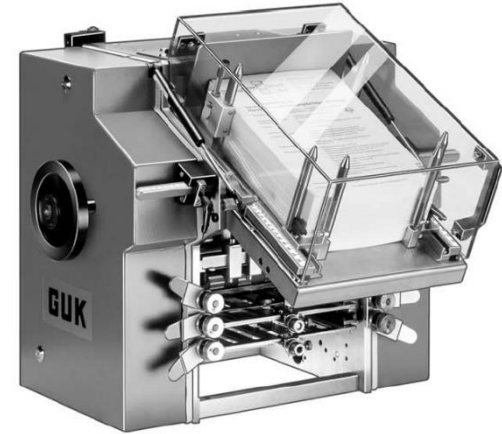
LEAFLET UNIT

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

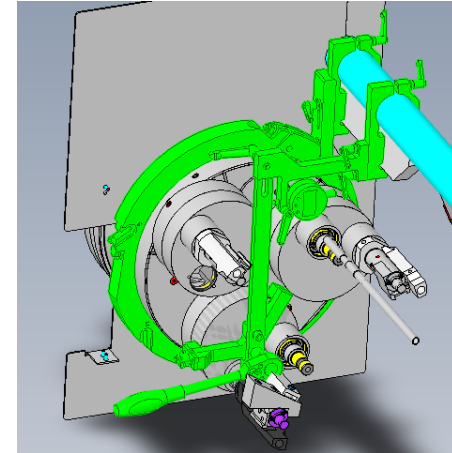
CYCLOID MEASUREMENT TOOLKIT

SCOPE OF SUPPLY

The cycloid is the heart of most of the IWK cartoner. Faults in this component lead to unforeseen downtimes and high maintenance costs. For a precise check of the condition of the cycloid we have developed our cycloid toolkit to detect damages preventively.

YOUR BENEFITS

- Professional inspection on plant level of all 1-, 2- and 3-arm cycloids
- Inspection in your machine - cycloid does not need to be dismantled
- Predictive damage detection enabling preventive maintenance



Machine Types	SC 4, SC 6, SC 8, SI 4, SI 6
Delivery Time	3 - 4 Months
Installation Time	-

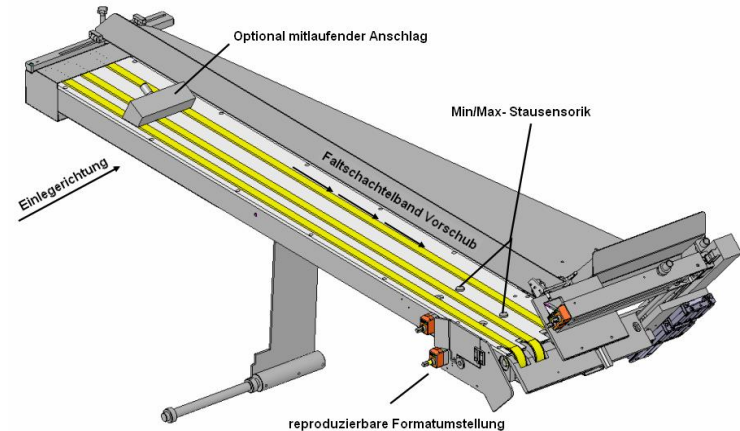
CARTON INFEED CONVEYOR

SCOPE OF SUPPLY

An extended carton infeed conveyor gives you the ability to load more cartons at once, which are then automatically transported and processed. This means that your personnel do not have to reload new cartons as frequently and can operate several machines at once.

YOUR BENEFITS

- Increased buffer capacity for the infeed of new cartons
- Automatic alignment of unevenly placed cartons
- Different conveyor lengths possible
- Infeed can be equipped with an automatic carton feeding cobot (CFC)



Machine Types	SCx, Slx
Delivery Time	3 - 4 Months
Installation Time	3 Days

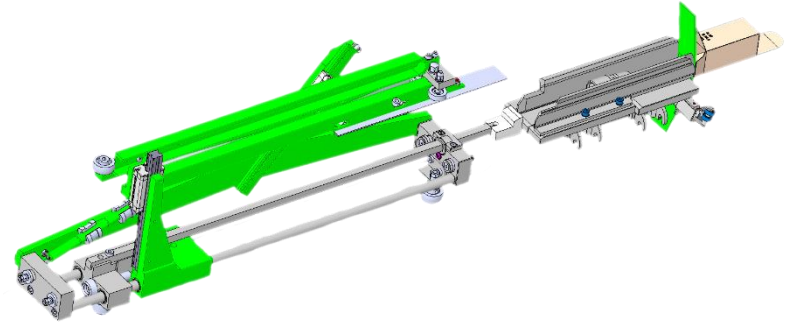
LEAFLET PRE-INSERTION

SCOPE OF SUPPLY

The pre-insertion function is the right choice for sensitive products (e.g. tubes, blisters, strips, pouches, etc.). A separate insertion of the leaflets instead of insertion by the product prevents a damage of the products during the insertion process – even / especially in high-speed production lines.

YOUR BENEFITS

- Careful product handling guarantees maximum product quality
- Product (e.g. blister stacks) can be levelled and guided by the pre-insertion tongues
- Adjustable pre-insertion depth in the carton up to 50 mm



Machine Types	SCx, Slx, HC 5, CPR, CPS-R
Delivery Time	5 - 6 Months
Installation Time	5 Days

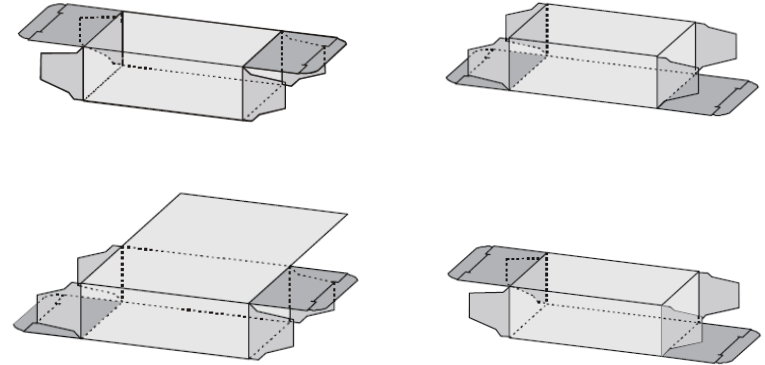
TUCK-IN CLOSURE

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

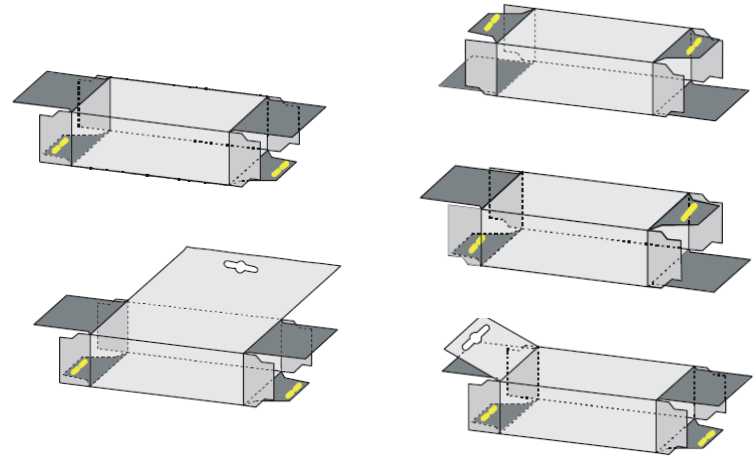
GLUE CLOSURE

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

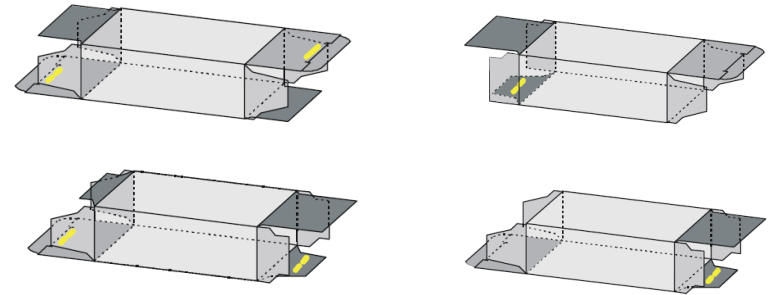
Installation Time

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

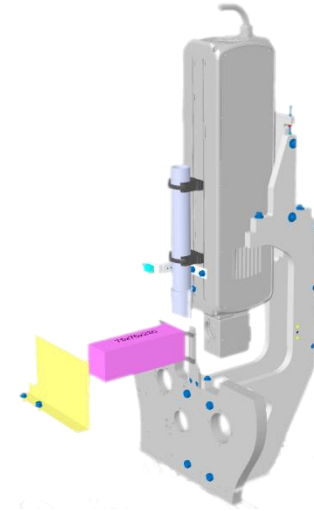
PRINT TECHNOLOGY - LASER

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

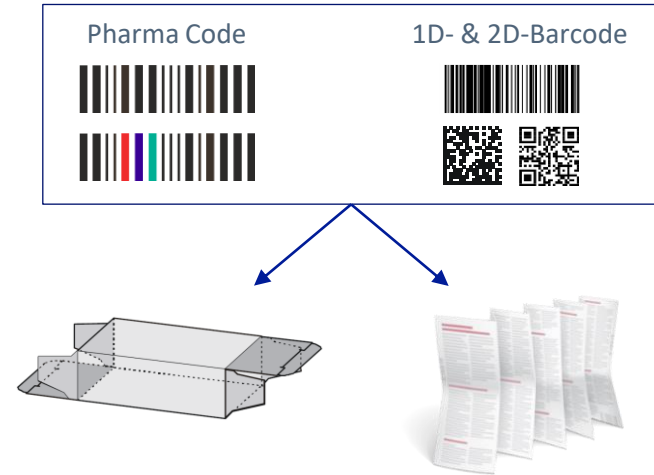
CODE READING

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



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

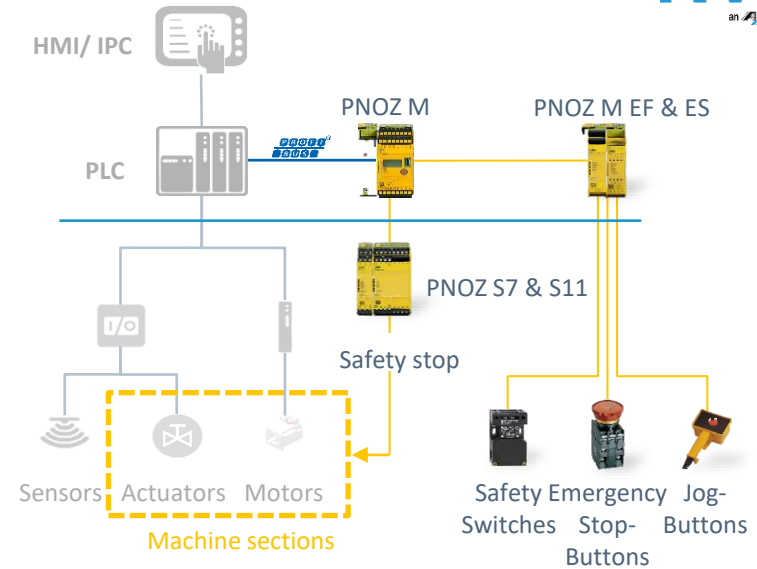
SAFETY SYSTEM UPGRADE

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 cartoners
Delivery Time	5 Months
Installation Time	8 Days

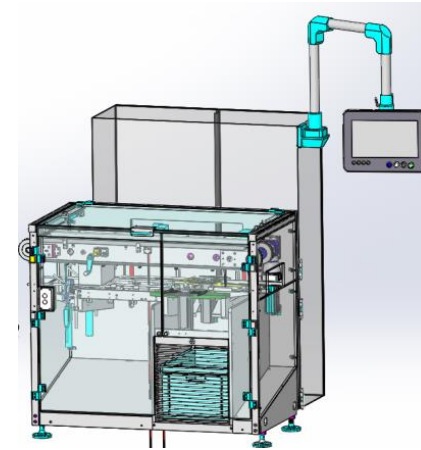
CARTON TRANSPORT SYSTEM (CTS)

SCOPE OF SUPPLY

The carton transport system is equipped with a stand-alone control system and can be used for a variety of applications. The system can, for example, be used as a stand-alone gluing station, laser marking station or track & trace station. It gives you maximum flexibility to add various functions to your production regardless of your equipment.

YOUR BENEFITS

- Can be used as a stand-alone gluing, laser marking, camera inspection unit
- Stand-alone system with integrated control system
- Is applicable for all types of cartoners also non IWK machines



Machine Types

All cartoners

Delivery Time

7 Months

Installation Time

5 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 towards a large industrial control panel with a screen displaying data. The man on the left is pointing at the screen. The background shows industrial machinery and a blurred factory environment.

04

**ELECTRICAL
UPGRADES**

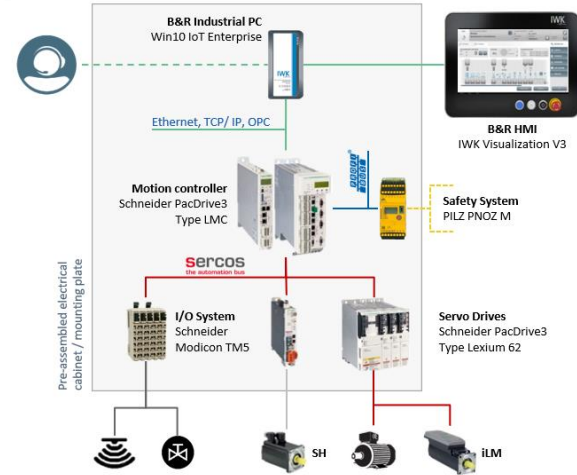
COMPLETE CONTROL SYSTEM UPGRADE

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

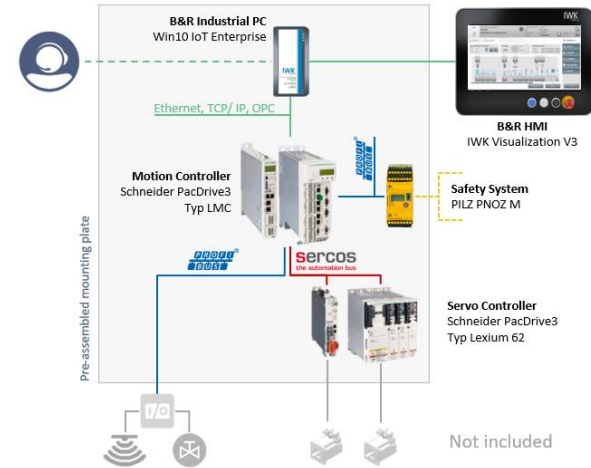
PARTIAL CONTROL SYSTEM UPGRADE

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

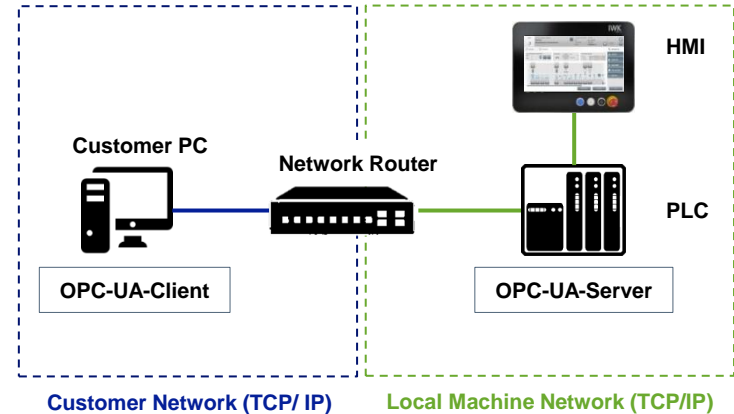
OPC-UA SERVER

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

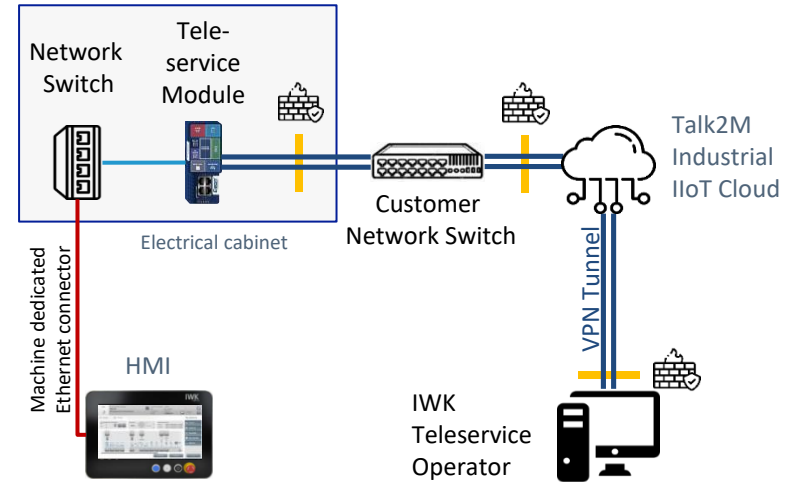
IWK TELESERVICE MODULE

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