



## Company presentation

# WHO WE ARE

## YEARS OF EXPERIENCE

50

in constructing machines for feeding, handling and packaging of paper products

65

EMPLOYEES



3,000+

## MACHINES DELIVERED WORLDWIDE

since formation of KÖRA-PACKMAT

No.1

## IN THE MARKET

- in film wrapping machines for high quality paper packaging
- In precision transport systems for the diigital printing and print finishing

# WHAT WE DO



**Wide range of feeding systems for the reliable separation and feeding of flat products (paper, cardboard, plastic...)**

Universal Friction Feeders, Top Loading Sheet Feeders, Vacuum Feeders...



**Continuous development, manufacture and sales**

of a wide range of feeding systems and transport platforms for paper and other flat products, worldwide distributor network



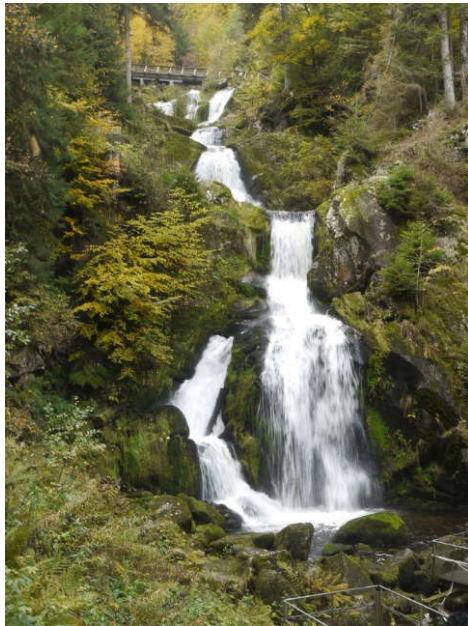
**High precision transport platforms for print application with patented belt guiding system**

precise substrate transport on vacuum belts for high resolution DOD printing applications

# WHERE WE ARE



# ATTRACTIONS



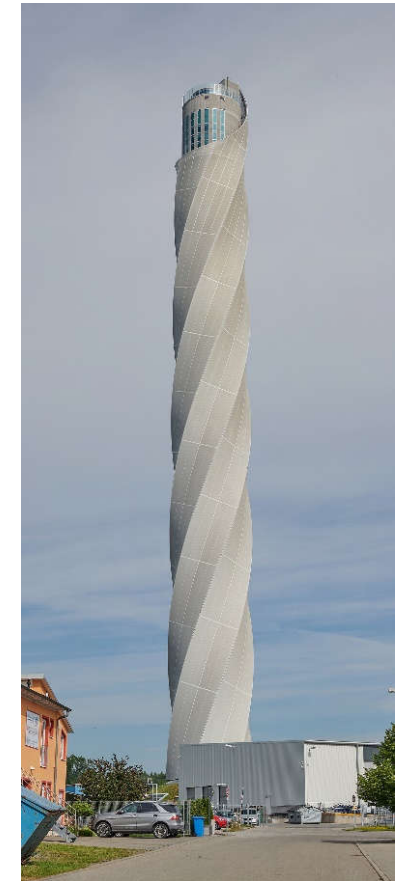
**Triberg waterfalls  
(163 m)**



**Hohenzollern Castle**

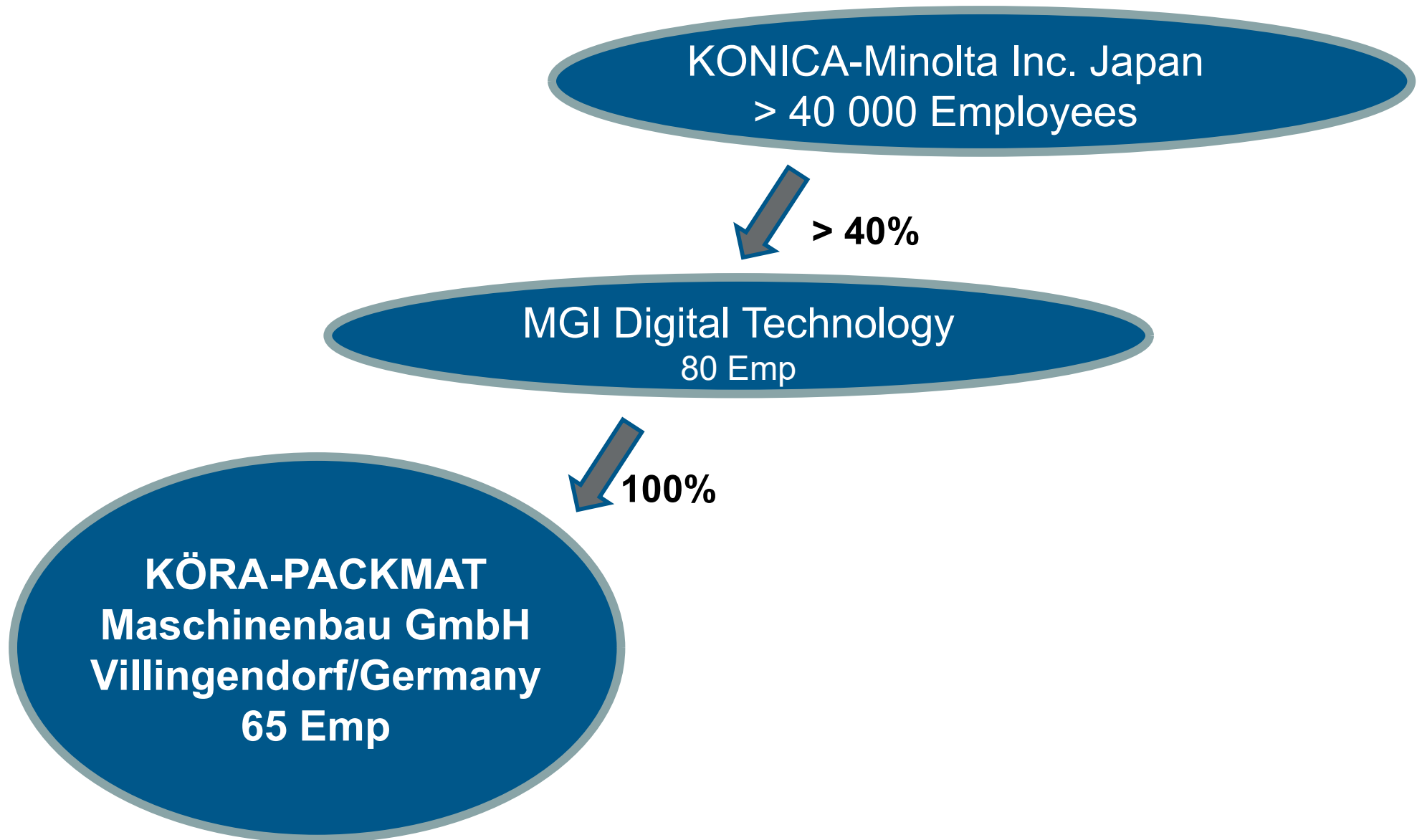


**Fasnet Rottweil**



**TK elevators test  
tower (232 m)**

# CORPORATE STRUCTURE



# OUR BUSINESS AREAS

## Feeders & Paper Handling Systems



## Precision Platforms For Digital Printing



## Current products



JETvarnish



FSA Flat pile feeder

for MGI Meteor printing systems



JETcard

JETvarnish with iFoil







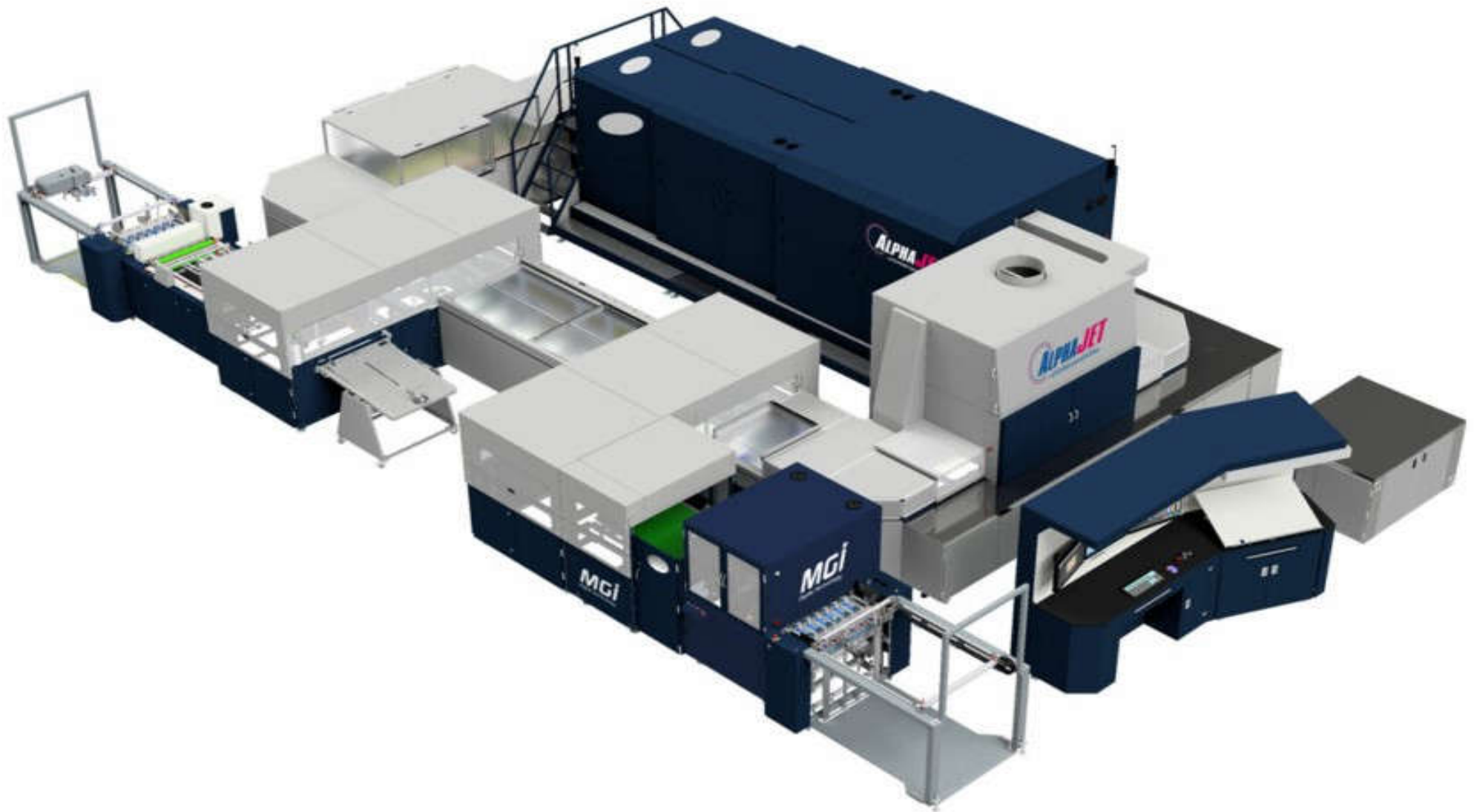
labels

Cards



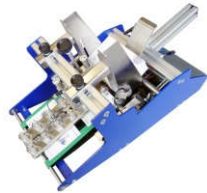
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# ALPHAJET

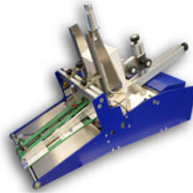


# KÖRA-PACKMAT Feeding Systems

## Friction Feeders



EF2-235 EasyFeeder



EFplus EasyFeeder plus



BF3-300 BasicFeeder



AF3-300 AdvancedFeeder



AFS-300 AdvancedFeeder Servo

## Vacuum / Suction / Gravity Feeders



PPR Pick & Place Rotative Feeder



PPWA Warehouse Pick & Place Vacuum Feeder



Logistic Feeder Gravity Vacuum



(TSA-2 Rotary Vacuum Feeder)

## Complete Systems



Feeding & Marking Unit SKE



Feeding & Affixing Unit SVE



Feeding & Verification Unit SPE

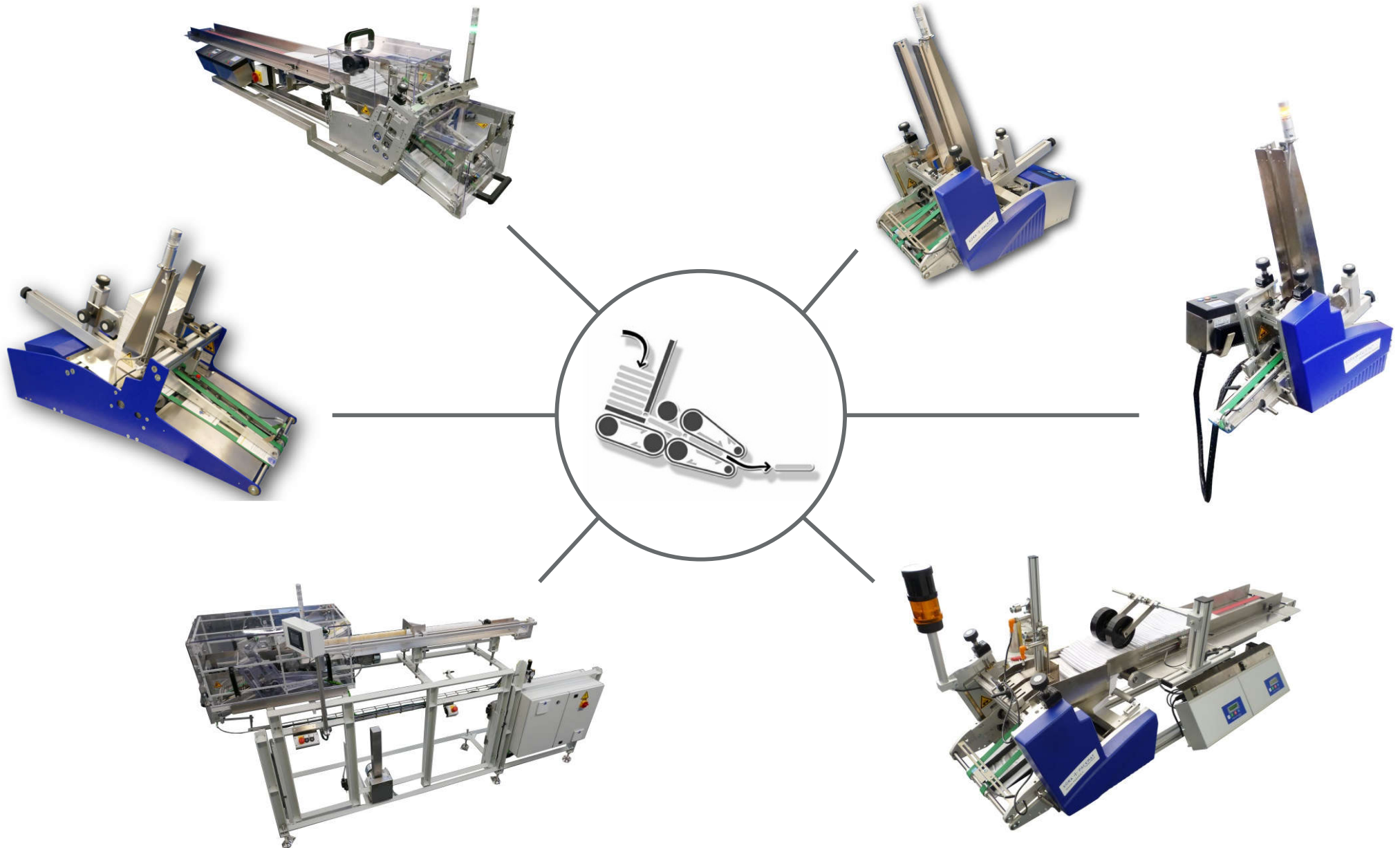


Booklet Module



(PC 100 Pouch Cutter)

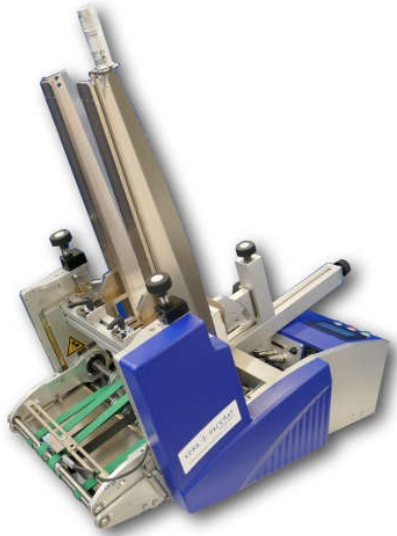
# FRICTION FEEDERS



# “K-Logic” – FEEDER CONTROL

The new “K-Logic” control unit is an upgrade with the following features:

- ✦ Standard 3,8” monochrome touch LCD display
- ✦ Faster feeder set-up for new products
- ✦ Ethernet communication via Modbus/TCP possible
- ✦ Faster installation by threaded bushes and Sub-D-sockets
- ✦ Higher feeding accuracy by servo drive



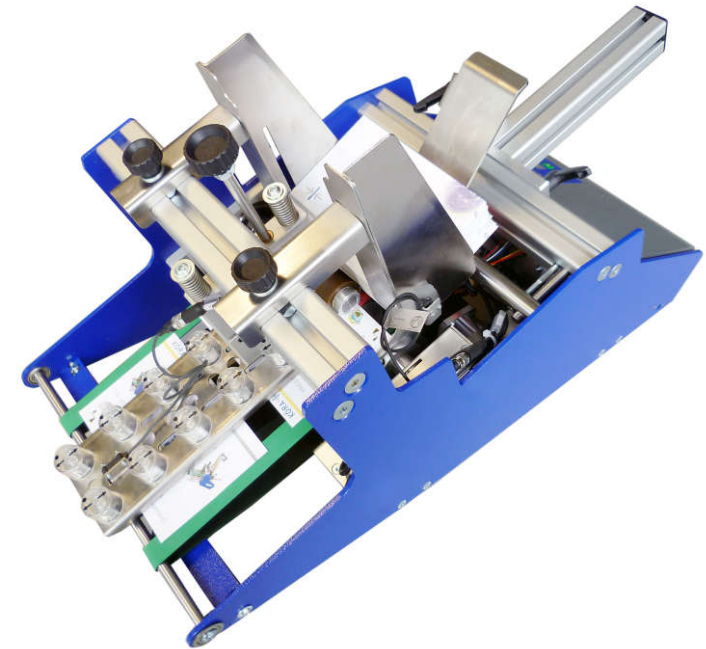
Available options:

- ✦ Optional 4,3” touch TFT display on external panel for flexible operation
- ✦ OPC UA communication with external panel
- ✦ Recipe management with external panel
- ✦ Different languages and fonts possible



# EF2-235 EasyFeeder

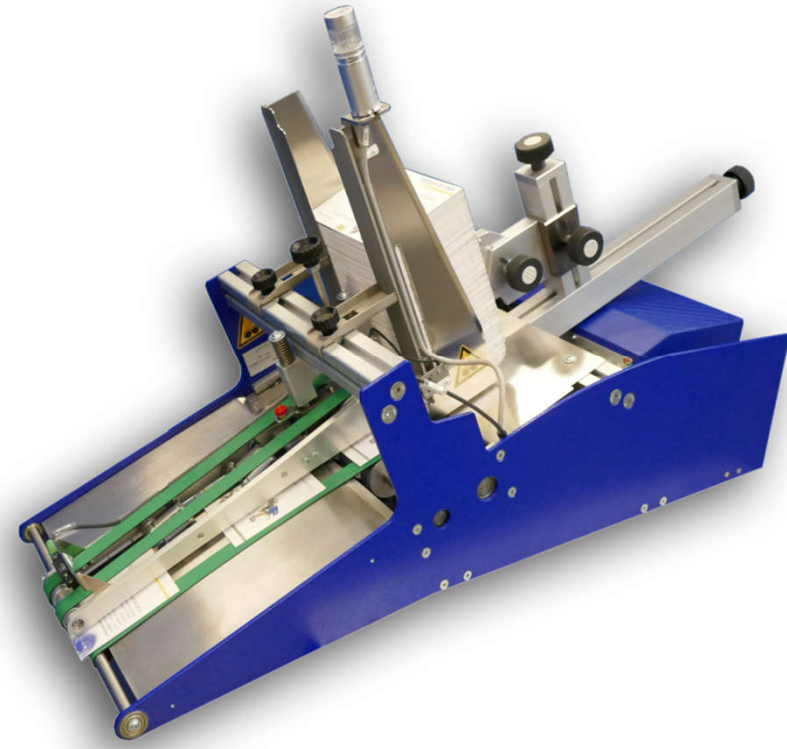
- \* Cost-efficient, perfect entry model –  
**basic model for simple application**
- \* Format range – min. 80 x 60 mm, max. 300 x 235 mm
- \* Feeding performance – 40 m/min. (continuous) /  
up to 60 cycles/min. (A5, cycled)
- \* Product passage – min. 0.1 mm, max. 0.5 mm  
paper quality min. 80 g/m<sup>2</sup>
- \* Magazine loading – standard 200 mm,  
A4 max. load 50 mm
- \* Drive / Control – DC-motor / Microprocessor
- \* Supply voltage – 230 V / 50 Hz, 200 VA
- \* Dimensions / Weight – 336 (W) x 646 (D) x 320 (H) mm / approx. 19 kg



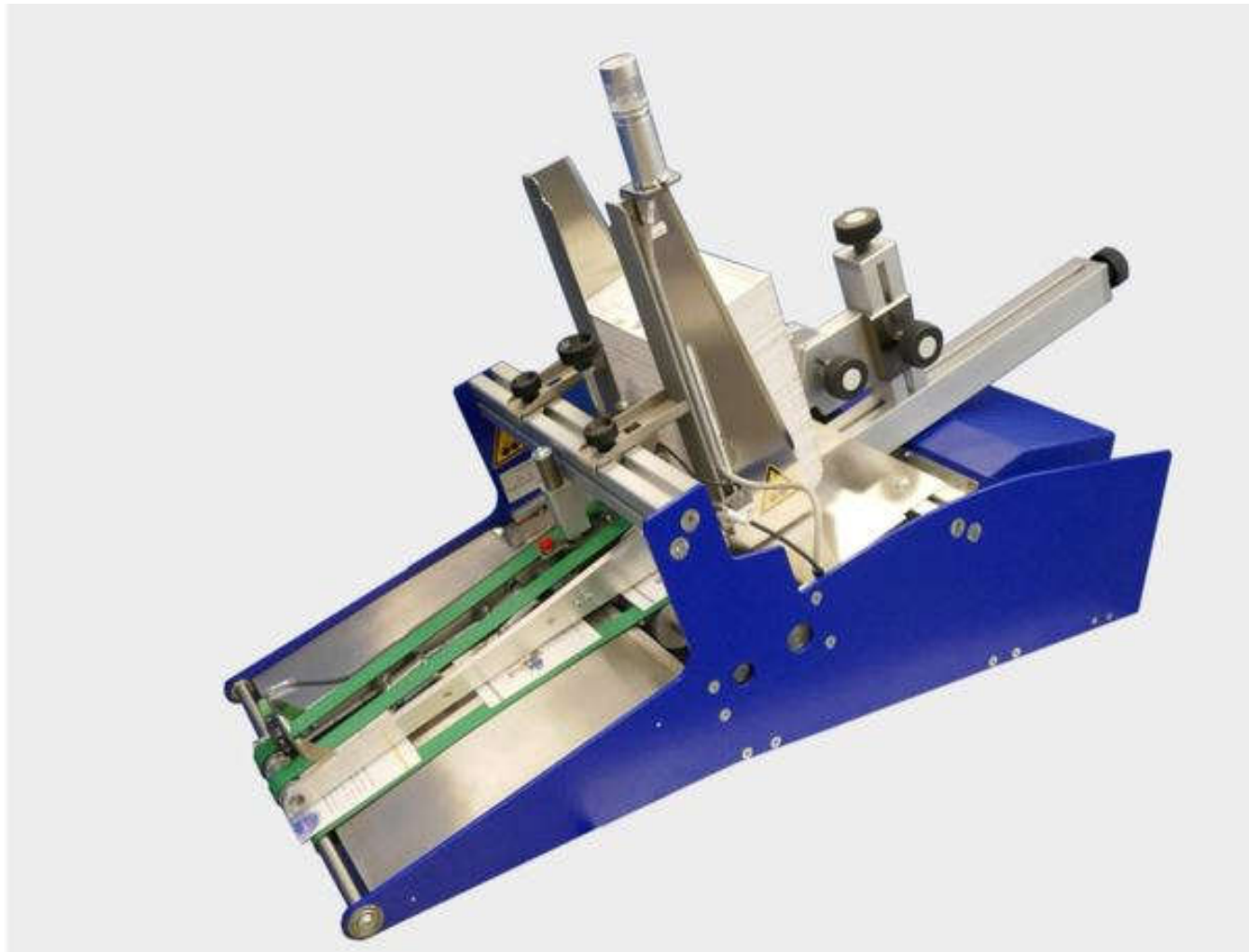
# EFplus - EasyFeeder plus

**NEW**

- \* **New K-Logic control** or ETANA control
- \* Magazine loading: 300 mm
- \* Central air gap adjustment: 0,1 up to 5 mm
- \* Exit extension 300 mm
- \* Follow-along, spring-loaded upper belt, openable
- \* K-Logic control incl. touch screen (alternatively ETANA control)
- \* Individual adjustable stack support
- \* Feeding width up to 300 mm
- \* Single product feeding (counting optional)
- \* Missing sheet detector by product run-time monitoring
- \* Powerful motor, infinitely adjustable
- \* Minimum stack level monitoring in magazine



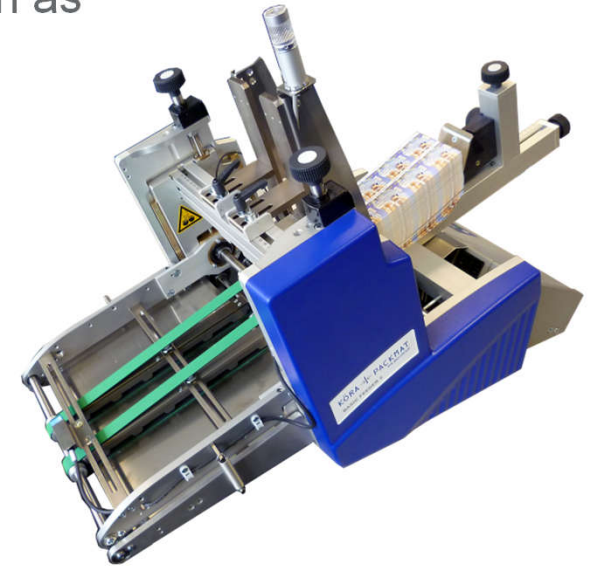
# EFplus - EasyFeeder plus





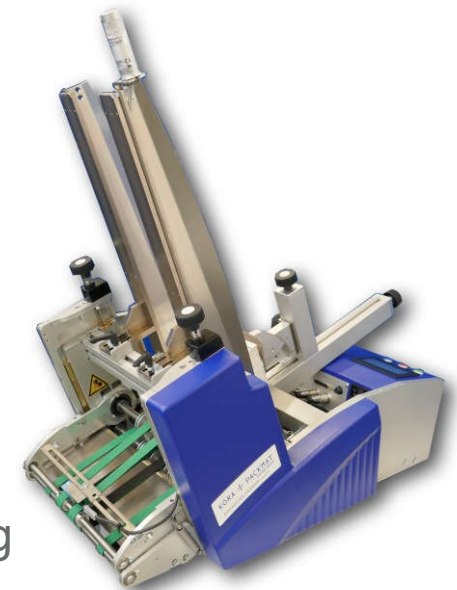
# BF3-300 BasicFeeder

- \* Feeder in **middle performance range** suited for products such as paper, cardboard, plastic and film.
- \* **K-Logic control**
- \* Format range – min. 60 x 50 mm, max. 350 x 300 mm (both with short edge leading)
- \* Feeding performance – **100 m/min.** (continuous) / up to **100 cycles/min.** (A4, cycled)
- \* Product passage – min. 0.1 mm, max. 12 mm  
paper quality min. 80 g/m<sup>2</sup>
- \* Magazine loading – standard 300 mm, A4 max. load 50 mm
- \* Drive / Control – DC-motor / Microprocessor, PLC control, error warning, ready-to-operate relay V/A
- \* Supply voltage – 230 V / 50 Hz, 300 VA
- \* Dimensions / Weight – 801 (W) x 408 (D) x 434 (H) mm / approx. 40 kg



# AF3-300 Advanced Feeder

- ✦ **Universal feeder for high production**, with ease of integration into paper converting, subsequent processing and wrapping machines.
- ✦ **K-Logic control**
- ✦ Format range – min. 25 x 60 mm (long side leading), max. 350 x 300 mm (short edge leading)
- ✦ Feeding performance – 180 m/min. / up to 1,400 cycles/min. (continuous)
- ✦ Product passage – min. 0.1 mm, max. 30 mm  
paper quality min. 60 g/m<sup>2</sup>
- ✦ Magazine loading – standard 600 mm
- ✦ Drive / Control – DC-motor continuously adjustable / Microprocessor, PLC control, functions for piece counter, self-diagnostic, error warning
- ✦ Supply voltage – 230 V / 50 Hz, 300 VA
- ✦ Dimensions / Weight – 801 (W) x 408 (D) x 701 (H) mm / approx. 48 kg



# FRICTION FEEDERS OVERVIEW



# AFS-300 Advanced Feeder Servo

- ✦ **Special high production model for very precise positioning of products** onto carrier materials.
- ✦ Format range – min. 25 x 60 mm, max. 300 x 335 mm
- ✦ Feeding performance – max. 180 m/min. / up to 1,400 cycles/min. (continuous)
- ✦ Product passage – min. 0.1 mm, max. 30 mm  
paper quality min. 60 g/m<sup>2</sup>
- ✦ Magazine loading – standard 600 mm
- ✦ Drive – AC servo motor continuously adjustable with  $\pm 1.5$  mm position accuracy
- ✦ Control – PLC control with touch screen
- ✦ Supply voltage – 230 V / 50 Hz, 300 W
- ✦ Dimensions / Weight – 505 (W) x 995 (D) x 944 (H) mm / approx. 36 kg



# AFS-300 - IP65 version

- ✦ Protection class feeder and switch cabinet: **IP 65**
- ✦ Product touching parts stainless steel
- ✦ Stainless steel drive cover of the feeder's teathed belt drive mechanism (instead of blue plastic cover)
- ✦ Stainless steel hexagon bolts where possible
- ✦ Belts & friction roller in FDA version
- ✦ No usage of aluminum profiles
- ✦ Dustproof stainless steel bearings
- ✦ Wire labelling of pneumatic and electrical pins and connections with component, cable and hose descriptions



# AFS-300 - APPLICATIONS



# FOOD & PHARMA APPLICATIONS



# FOOD & PHARMA APPLICATIONS





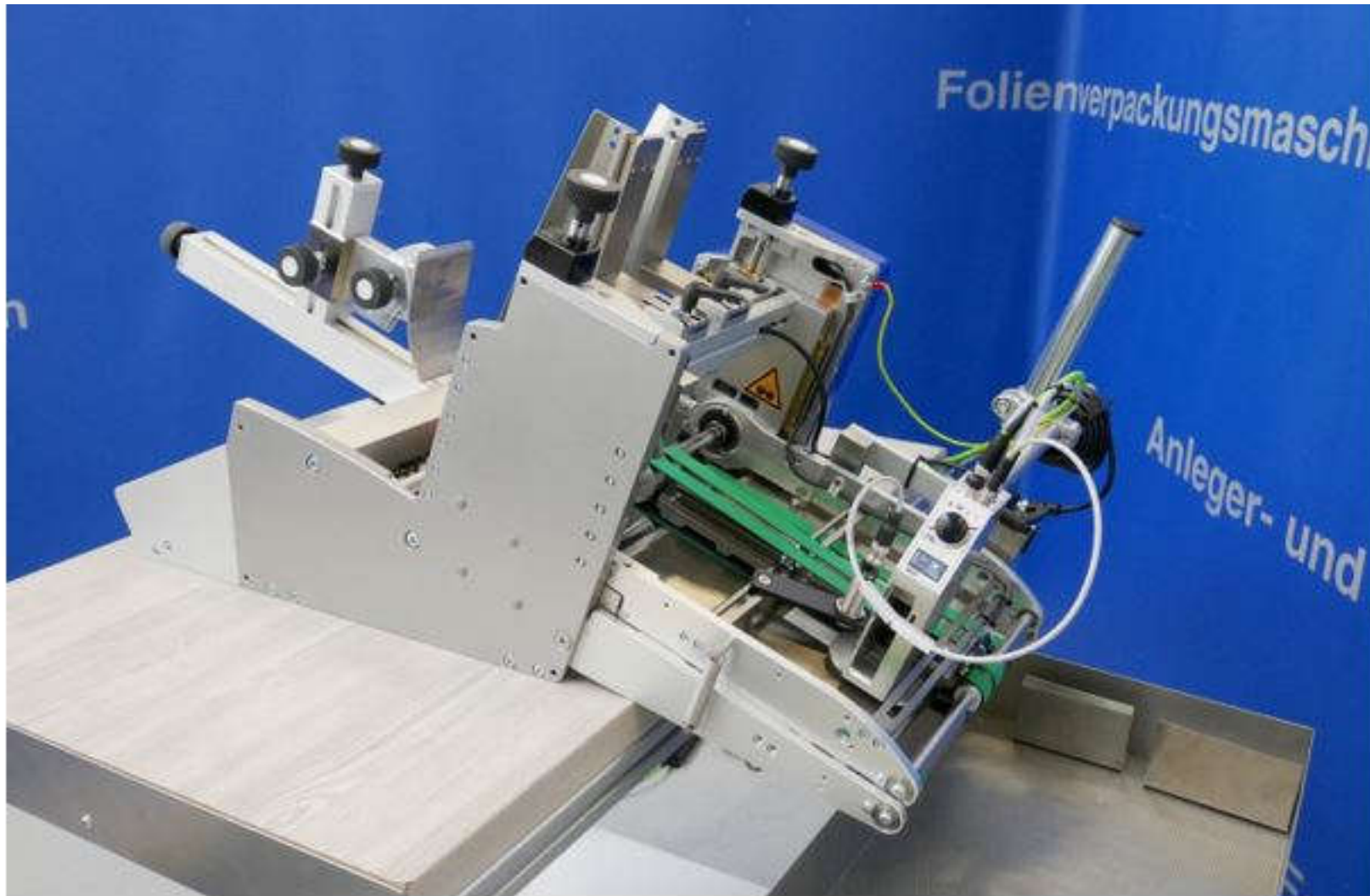
# FOOD & PHARMA APPLICATIONS



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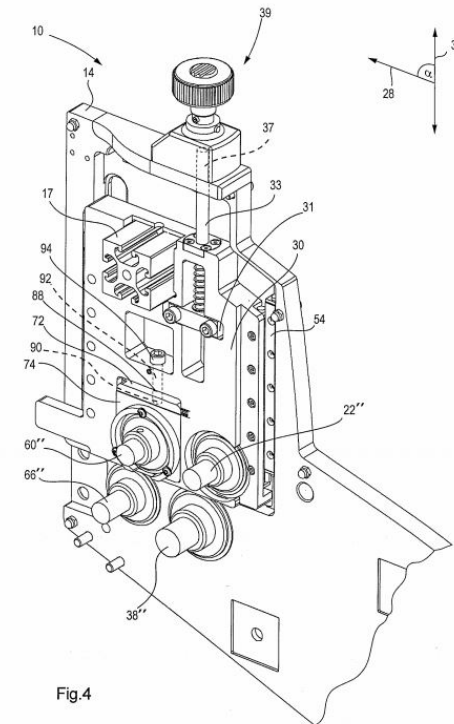


# FOOD & PHARMA APPLICATIONS

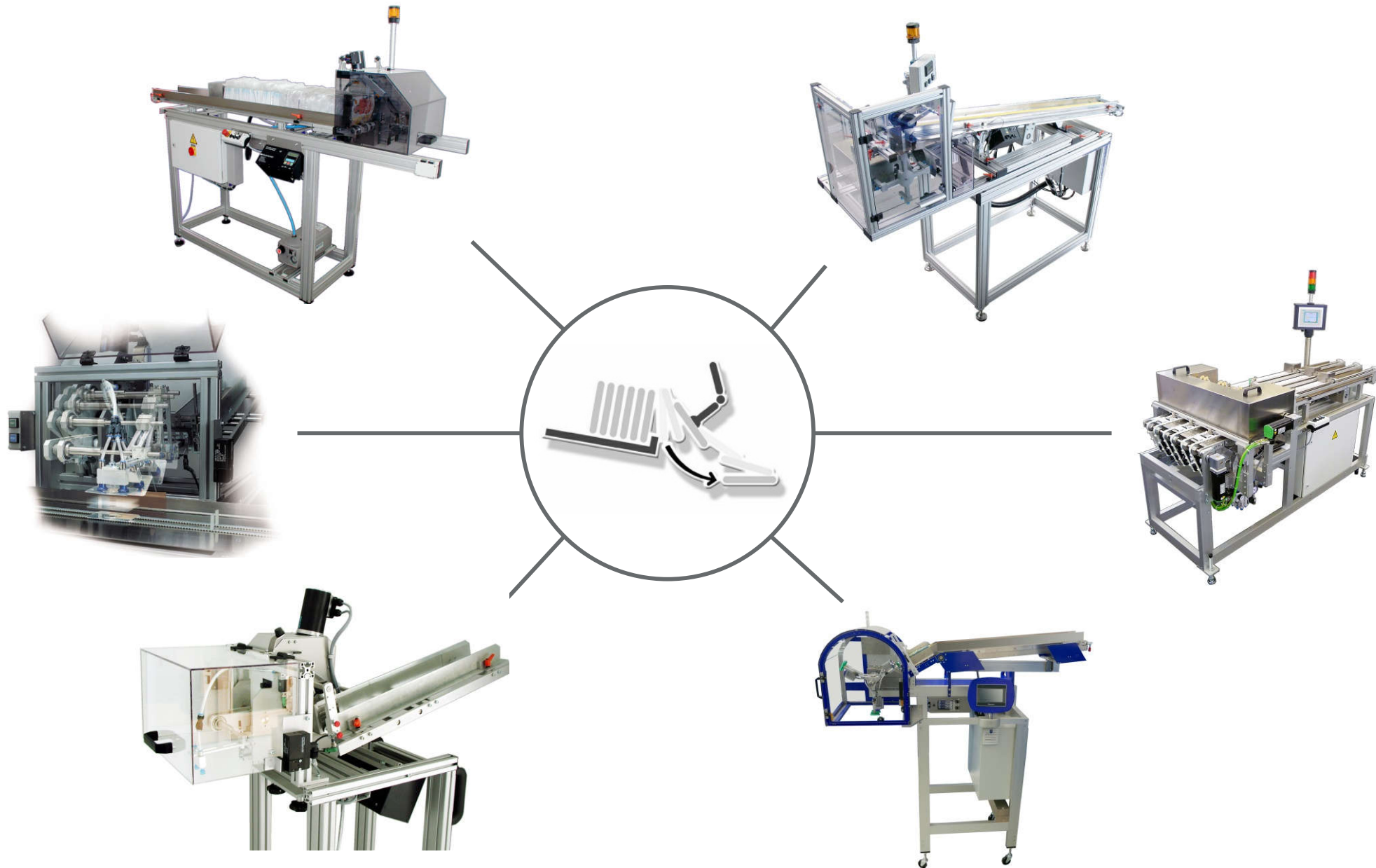


# Patented 3-S-SYSTEM

- ✦ All friction feeders type BF BasicFeeder, AF AdvancedFeeder and AFS AdvancedFeeder Servo are equipped with the patented **3-S-system** for combined automatic adjustment of all relevant parameters
- ✦ scaled set-up system for the product adjustment
- ✦ enables fastest changeover time for different products.
- ✦ adjustment of air gap, exit extension and magazine shaft

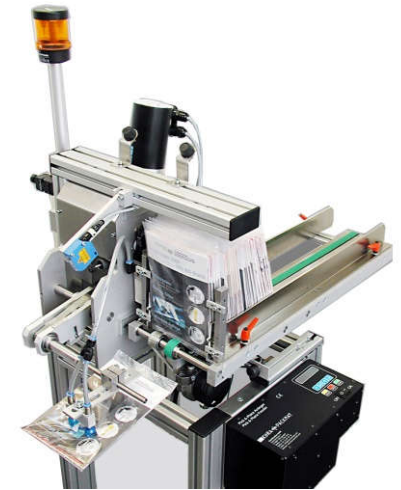


# PICK & PLACE FEEDERS



# PICK & PLACE VACUUM FEEDERS

- ✦ **Special vacuum feeders for products that can not be fed by Friction Feeders**
- ✦ Versions PPR and PPWA
- ✦ Pouches, boxes, envelopes, CDs,
- ✦ Format range – min. 85 x 55 mm, max. 220 x 220 mm
- ✦ Feeding performance – max. 120 cycles/min. (cycled)
- ✦ Product thickness – max. 10 mm
- ✦ Autoloader as a standard – upright position of the products in the magazine lead to maximum autonomy
- ✦ magazine length of 700 mm or 2.000 mm



# PPWA PICK & PLACE WAREHOUSE



# PPR PICK & PLACE ROTATIVE

## PPR Pick&Place Rotative





# PPR PICK & PLACE ROTATIVE – new applications



# PPR PICK & PLACE ROTATIVE – new applications

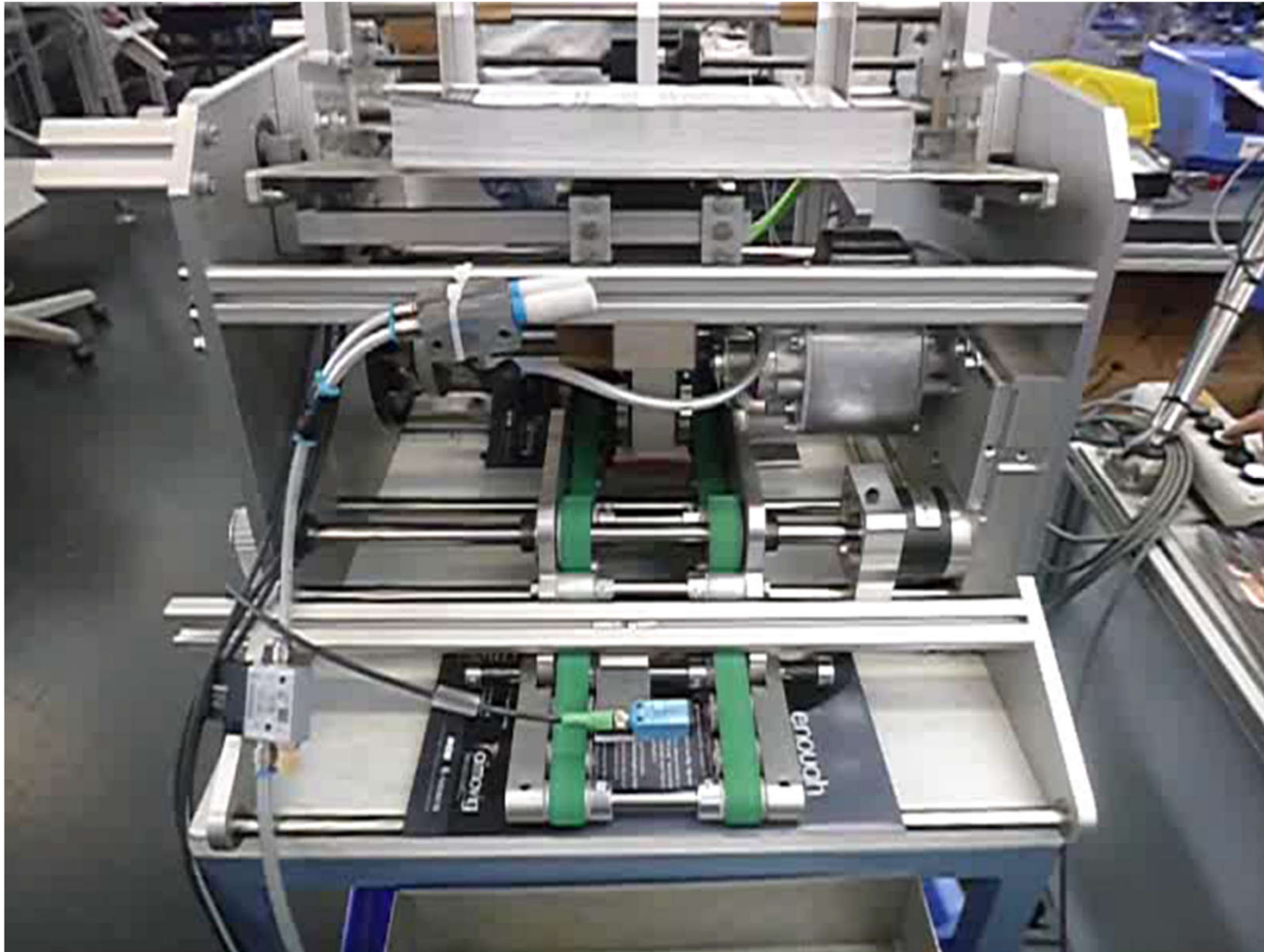


# ROTATIVE GRIPPER-FEEDER RGF

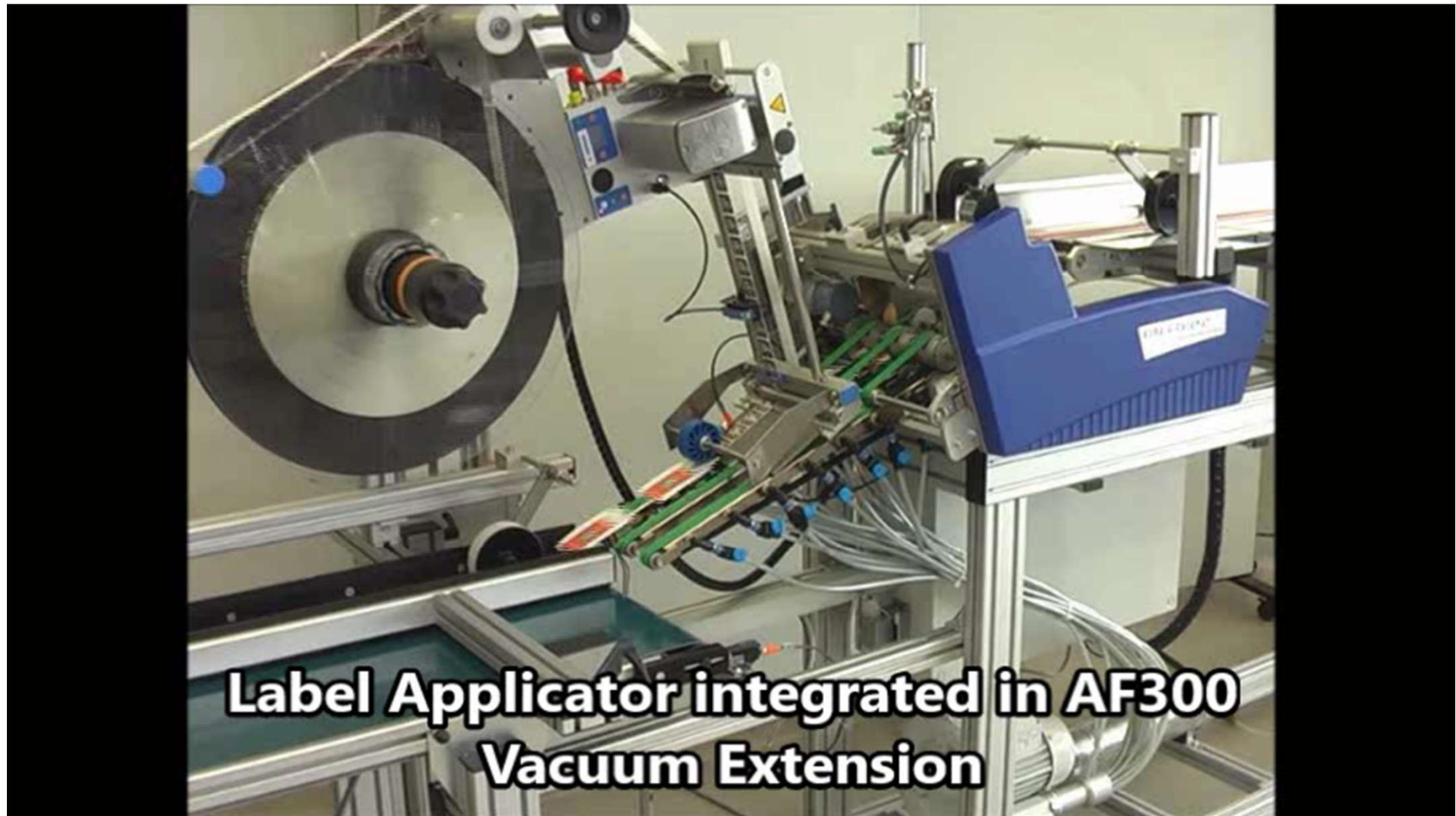
- ✦ **Product separation by means of cam controlled grippers and vacuum unit**
- ✦ cards, booklets, brochures and other paper products
- ✦ Format range – min. 120 x 90 mm, max. 400 x 600 mm
- ✦ Max. 200 cycles/min.
- ✦ Min. 80 g/m<sup>2</sup>, max. 5 mm
- ✦ Product feeding from magazine or stream feeder
- ✦ magazine length of 700 mm or 2,000 mm



# ROTATIVE GRIPPER-FEEDER RGF



# LABELLING SYSTEMS



**Label Applicator integrated in AF300  
Vacuum Extension**

# ACCESOIRES



# CUSTOMIZED SOLUTIONS

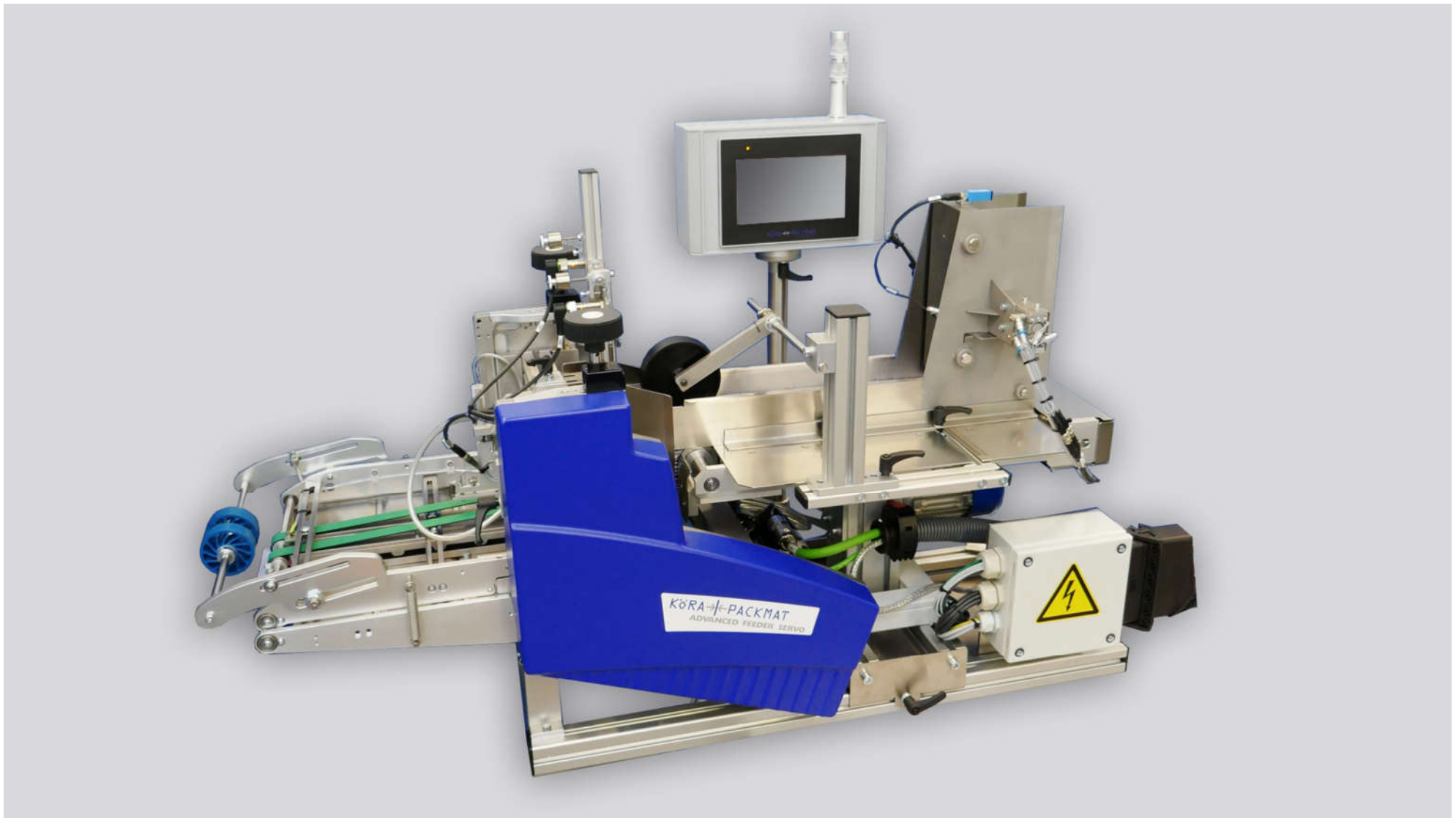


# CUSTOMIZED SOLUTIONS





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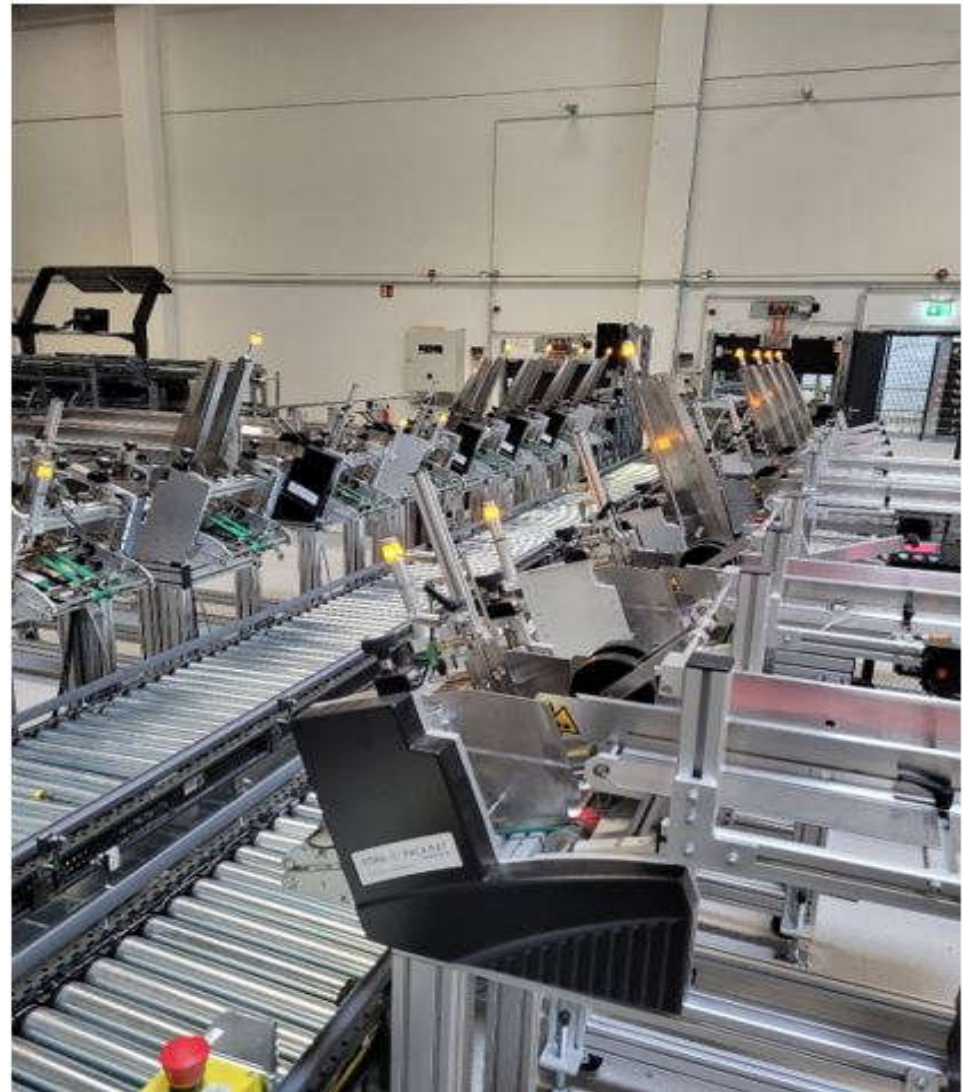
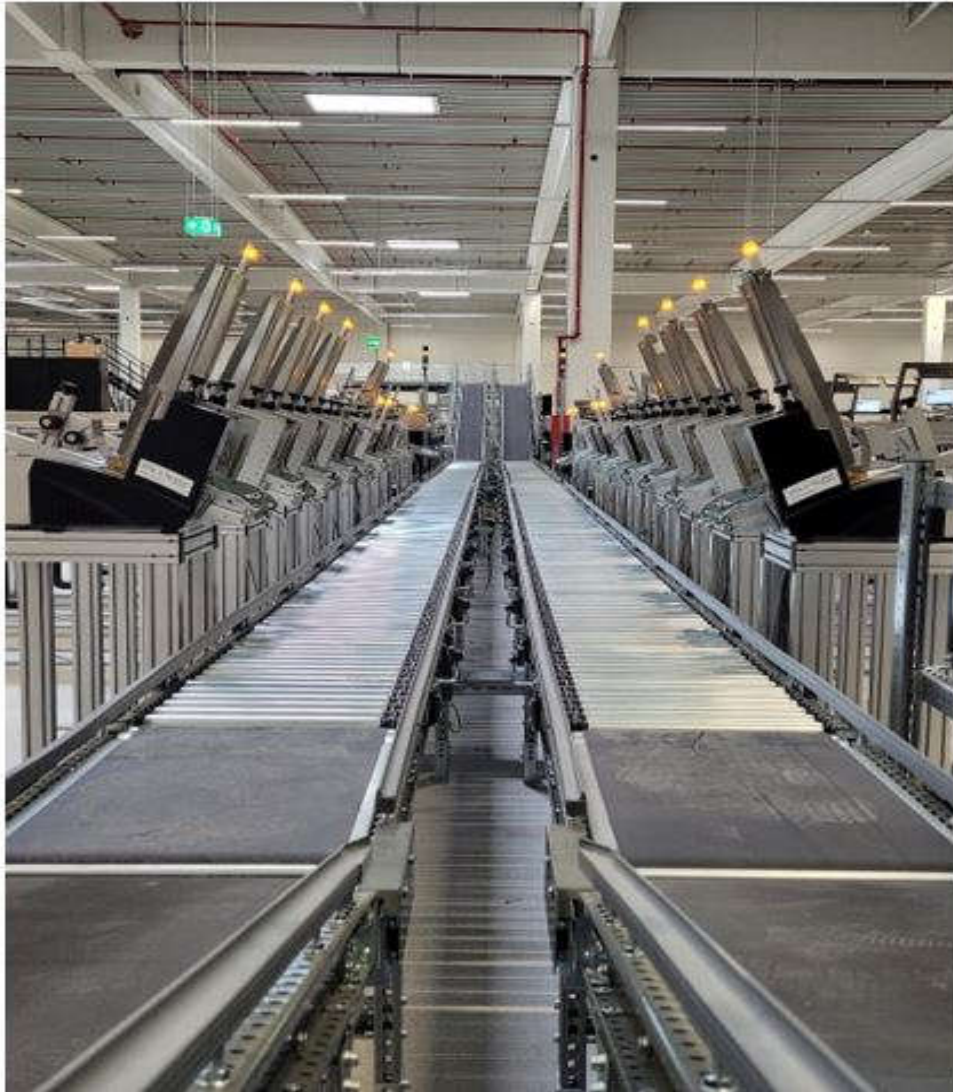
# CUSTOMIZED SOLUTIONS



# SHEET FEEDER



# LOGISTICS



# INDUSTRIES AND APPLICATIONS





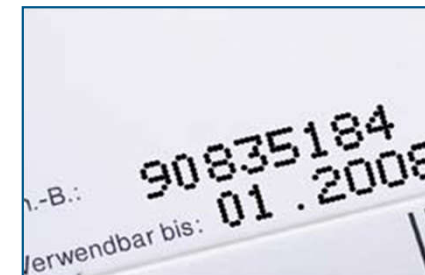
- |← Feeding of trays
- |← Feeding of advertisement
- |← Feeding of neckhangers on bottles
- |← Feeding of sachets







- |← Feeding of sachets / shampoo etc.
- |← Feeding of blisters
- |← Feeding of flat / folded user manuals
- |← Feeding and printing of articles (best before date, production dates etc.)





- |← Feeding of sachets / plasters etc.
- |← Feeding of blisters
- |← Feeding of flat / folded user manuals
- |← Feeding and printing of articles (best before date, production dates etc.)





- |← Collating of assortments, brochures
- |← Wrapping of the collated assortment
- |← Personalization / printing of products “Late stage customizing”
- |← Labelling of products



# SECURITY APPLICATIONS

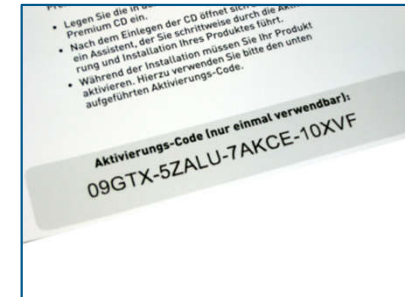


- |← Printing of cartons with barcode, data matrix code etc.
- |← Control of products with camera / barcode scanners
- |← Collating of different paper articles
- |← Feeding, Controlling of value products (Cheques, passports, money etc.)





- |← Precise positioning of products on carrier material
- |← Bonding of products on carrier material
- |← Upgrading of products via DOD / inkjet printing / labelling
- |← Automatic dispensing of packed and unpacked products



# REPRESENTATIVES IN EUROPE



# CUSTOMER REFERENCES

- |← ULMA / Spain
- |← LEGO / different countries
- |← Natura Cosméticos / Brazil
- |← Orkla / Norway
- |← Nestlé / Great Britain
- |← Baxter / Spain & Saudi Arabia
- |← IKEA / different countries
- |← Cartamundi / Belgium & USA
- |← Smurfit Kappa / Denmark

# QUESTIONS?







Thank you for your attention