



bielomatik
a Persico Group company

INTRODUCTION

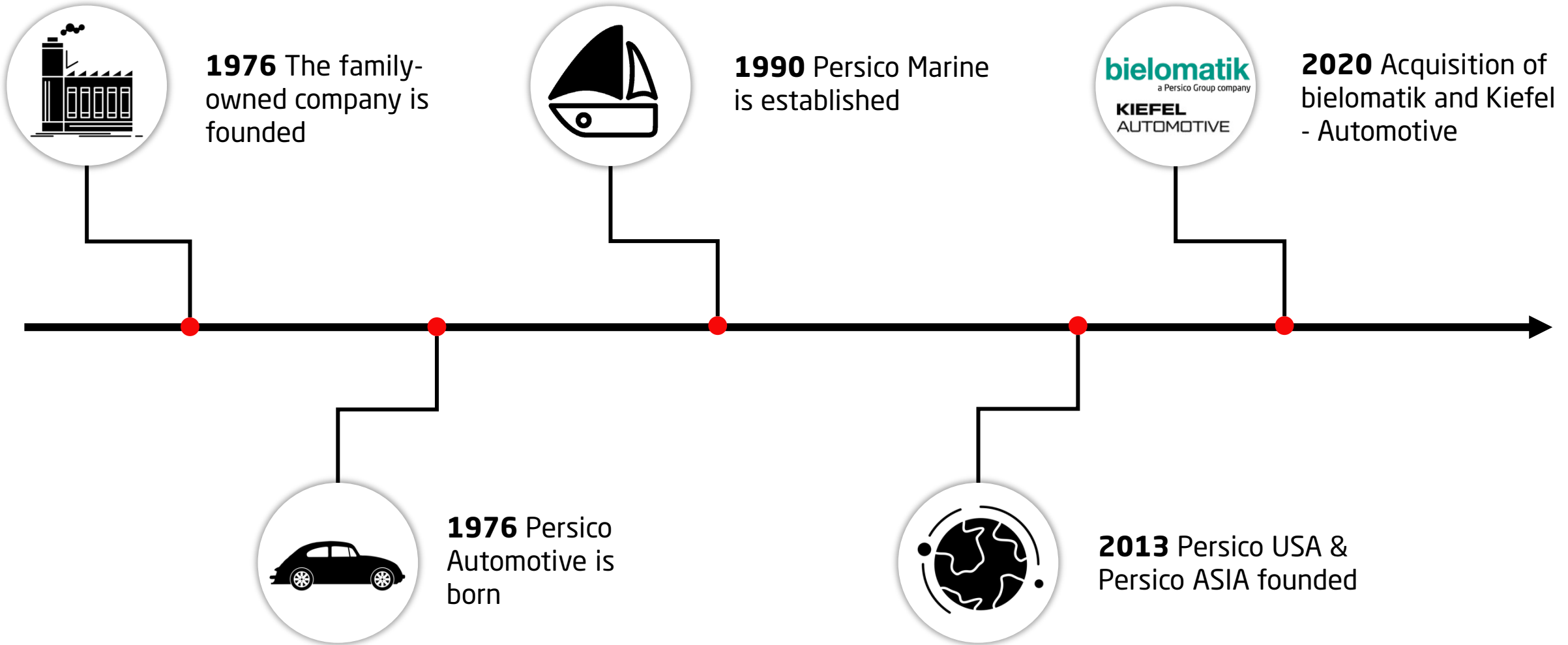
Who we are

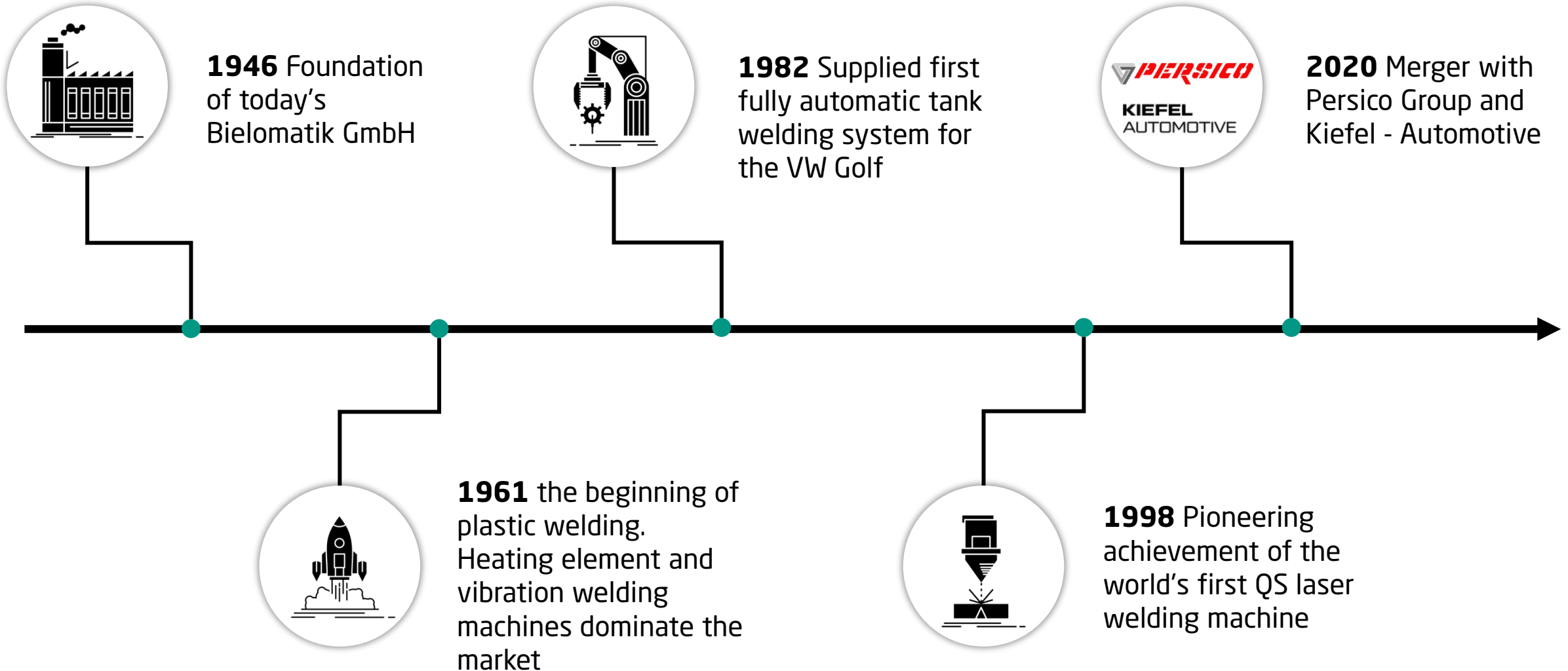
„Machine building projects and applications in the world of

- plastic welding of medical devices or
- medical bags

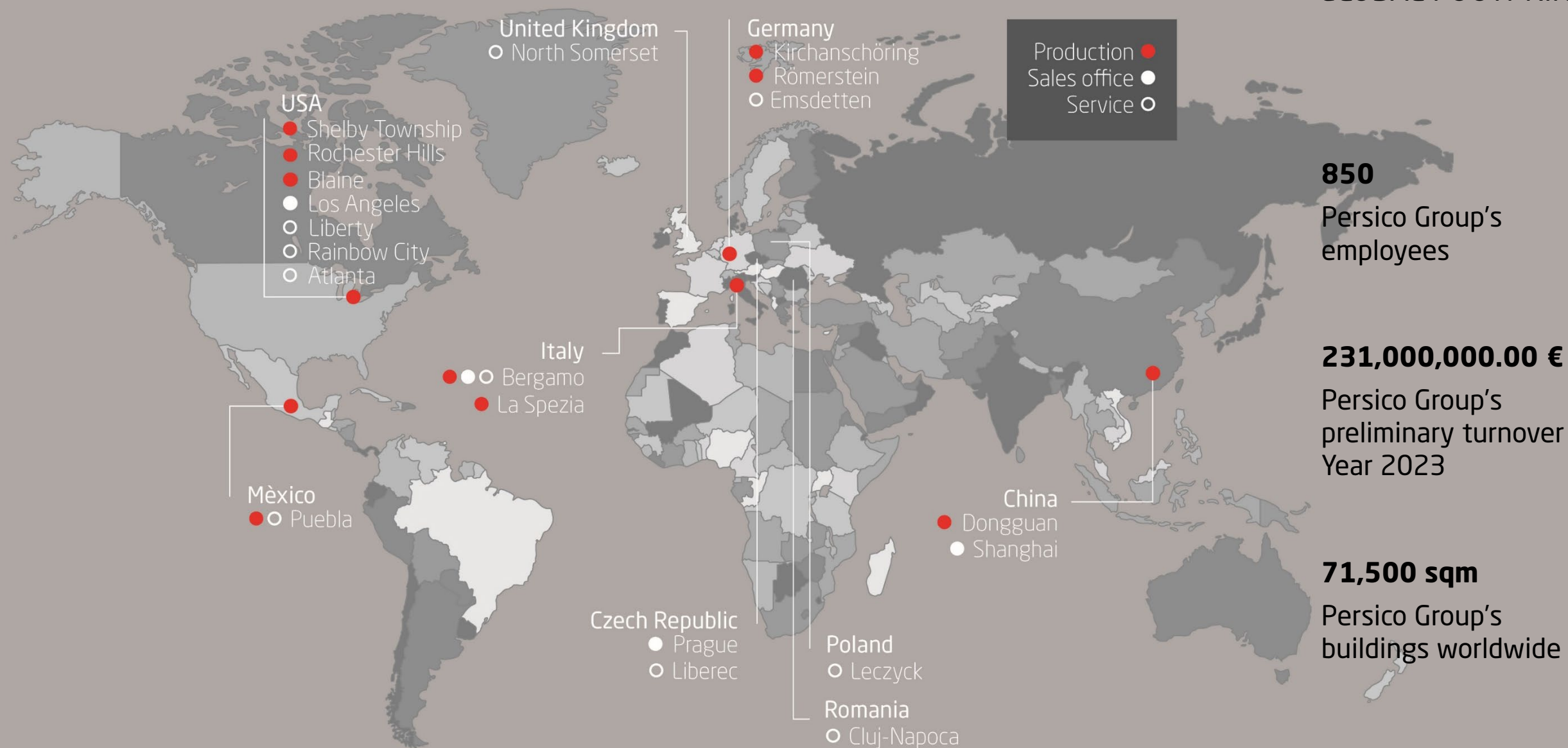
→ please get in contact with our Team!”

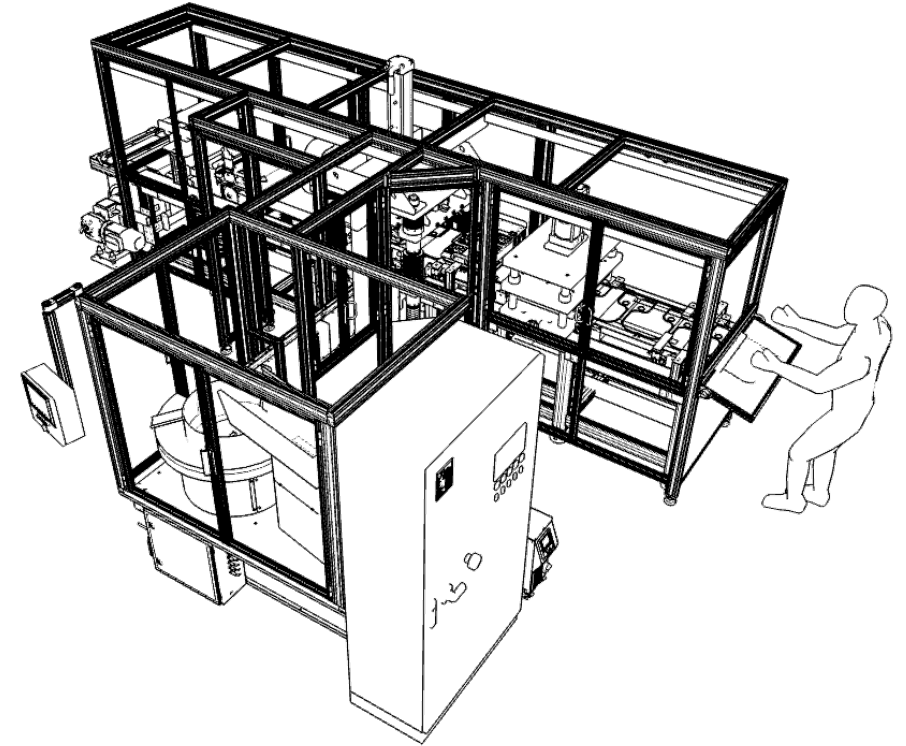
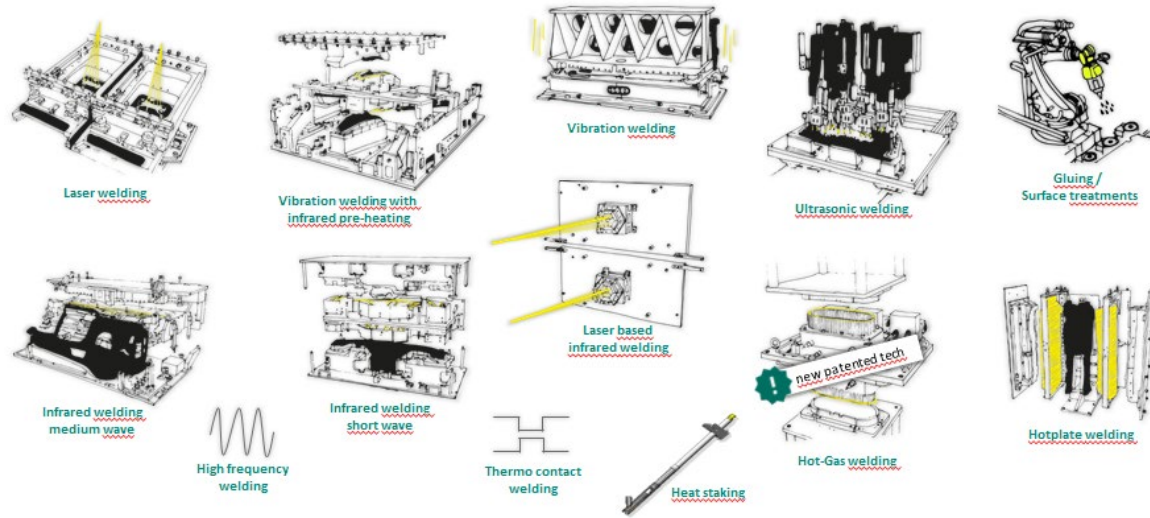
- Welding of medical devices
- Bio-processing bags / various medical bags
- Customized bag making machinery
- All plastic welding technologies
- Joining plus automation
- In line with medical requirements



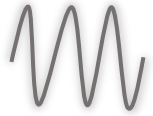


GLOBAL FOOTPRINT





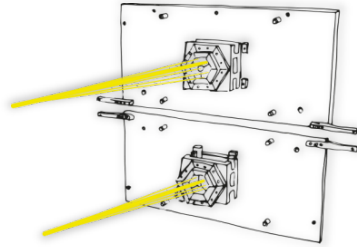
We provide all common plastic joining technologies:



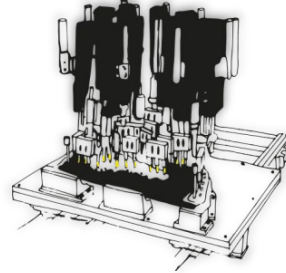
High frequency
welding



Thermo contact
welding



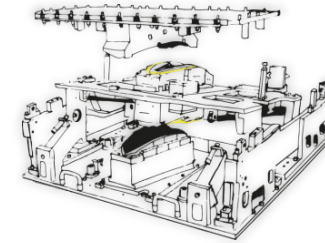
Laser based
infrared welding



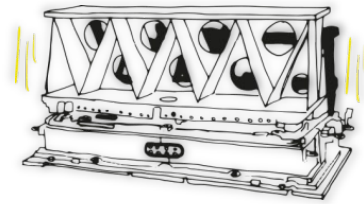
Ultrasonic welding



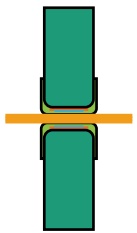
Gluing /
Surface treatments



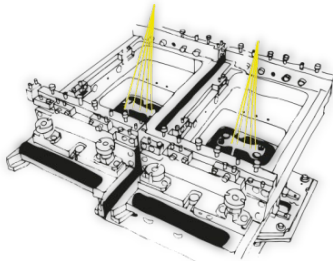
Vibration welding with
infrared pre-heating



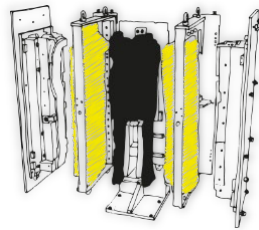
Vibration welding



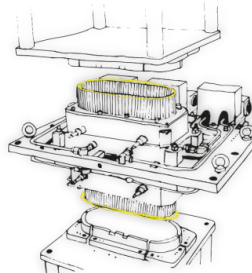
Impulse
welding



Laser welding



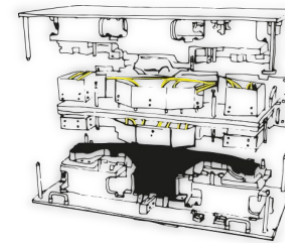
Hotplate welding



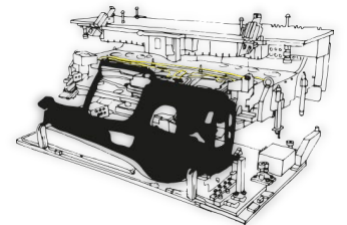
Hot-Gas welding



Heat staking



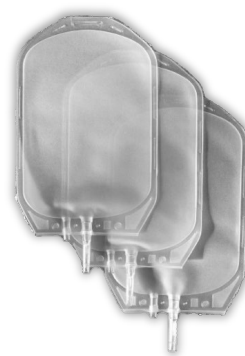
Infrared welding
short wave



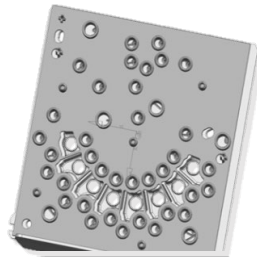
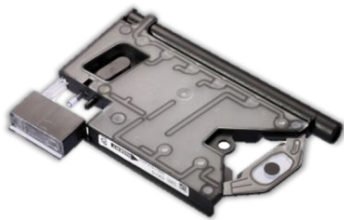
Infrared welding
medium wave



Applications produced from PVC - PP - PE - EVA - Multilayer film material



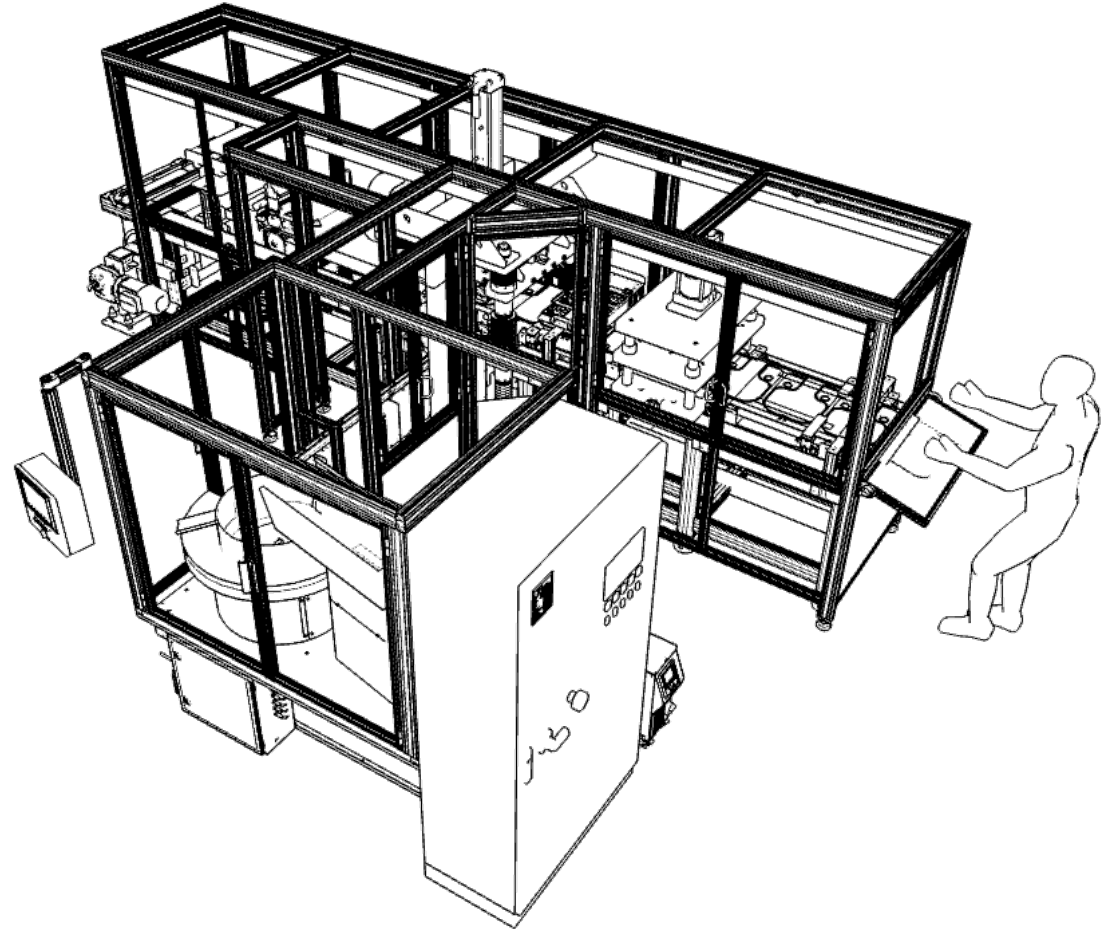
Applications produced from a PC - ABS - etc. or other injection molded parts



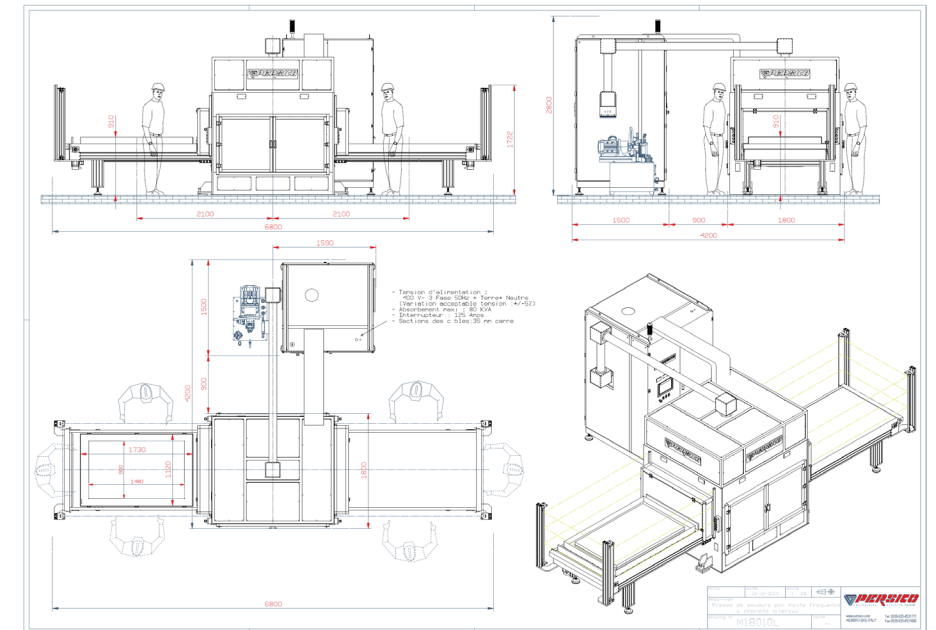
Persico

Persico Group & bielomatik offer production lines for the following products:

- Parenteral nutrition bag
- Enteral nutrition bag
- Stoma care bag
- Drainage bag
- Blood bag
- Urine bag
- IV bag



Persico Group & bielomatik offer
shuttle tables / semi-automatic



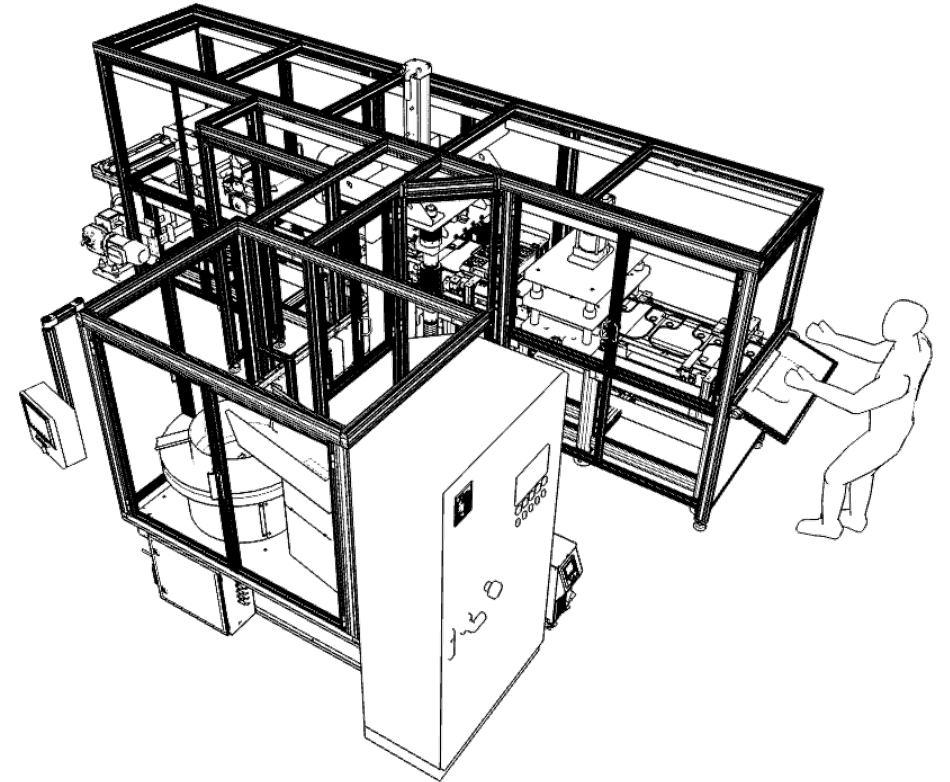
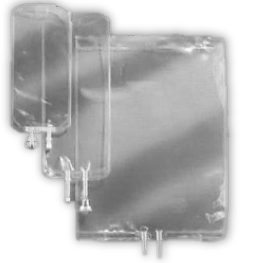
Persico Group & bielomatik offer
fully automatic production lines



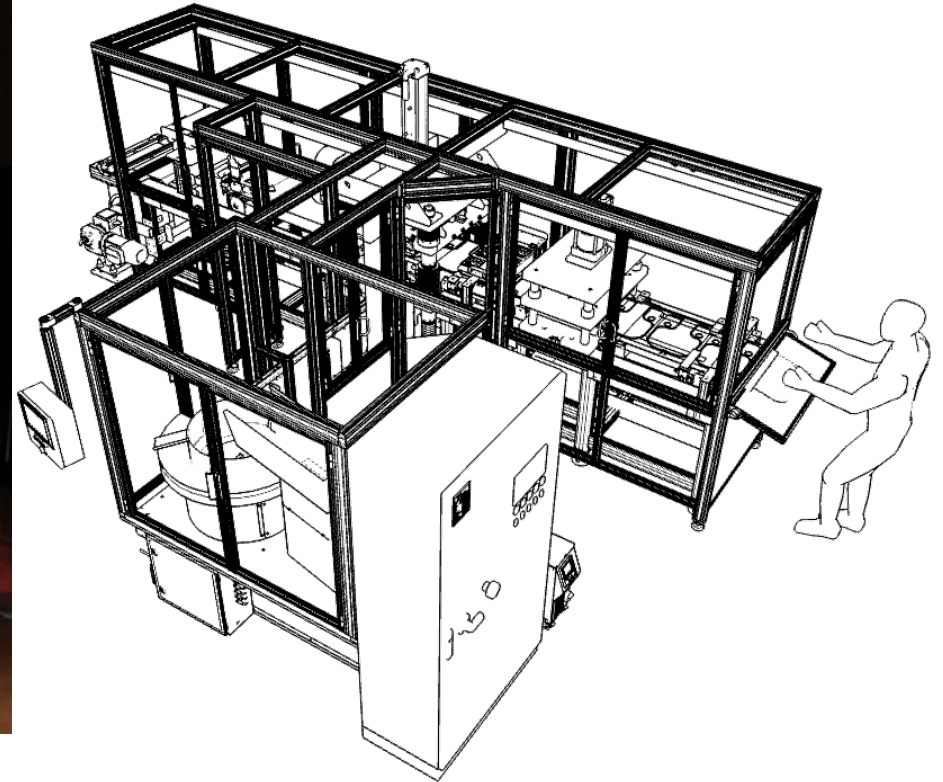
Persico Group & bielomatik offer
fully automatic production lines



Persico Group & bielomatik offer
fully automatic production lines

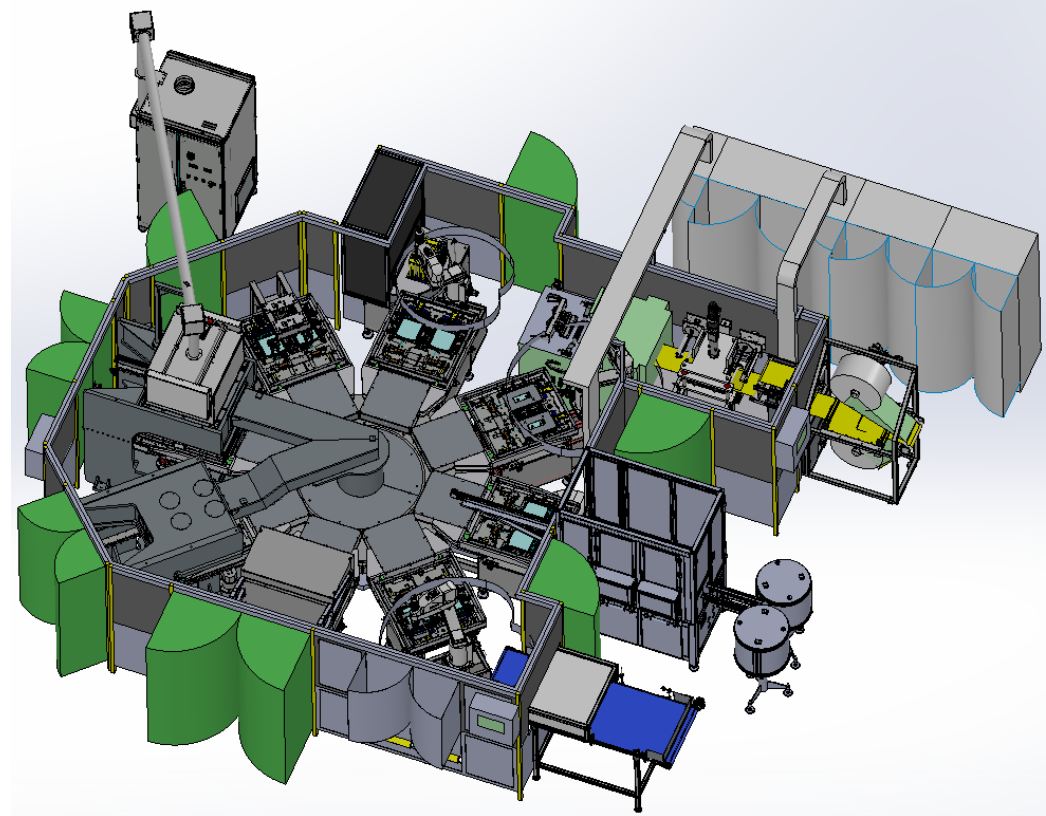
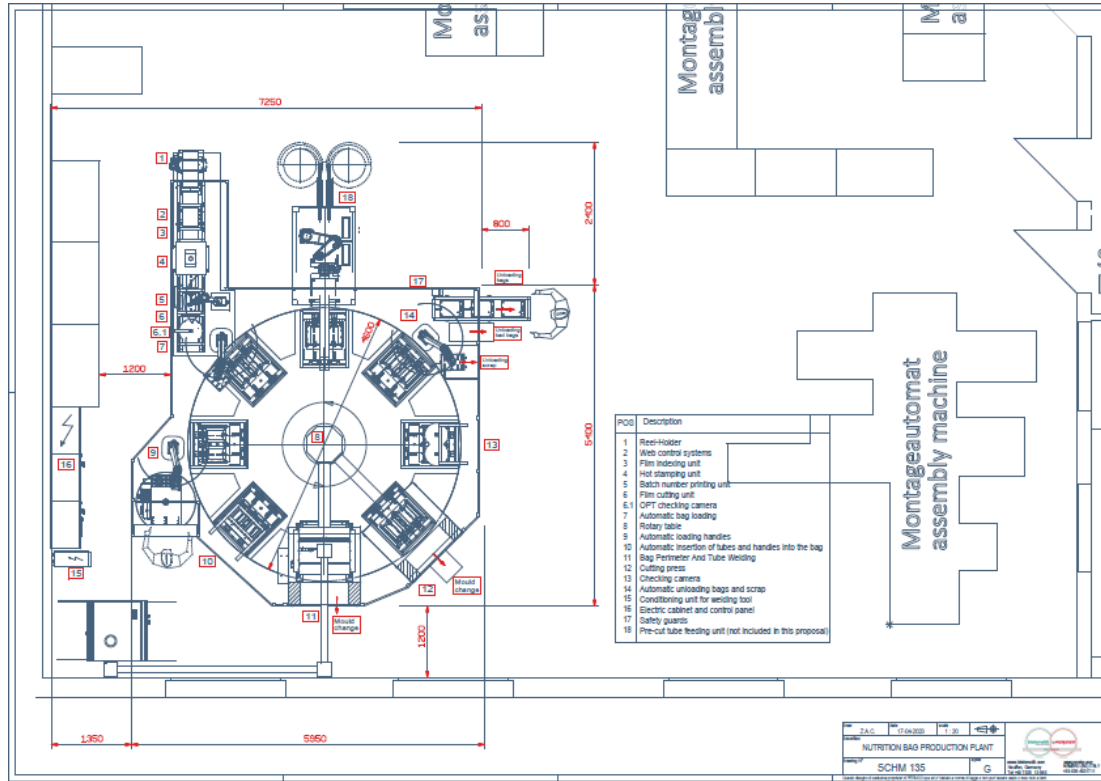


Persico Group & bielomatik offer
fully automatic production lines

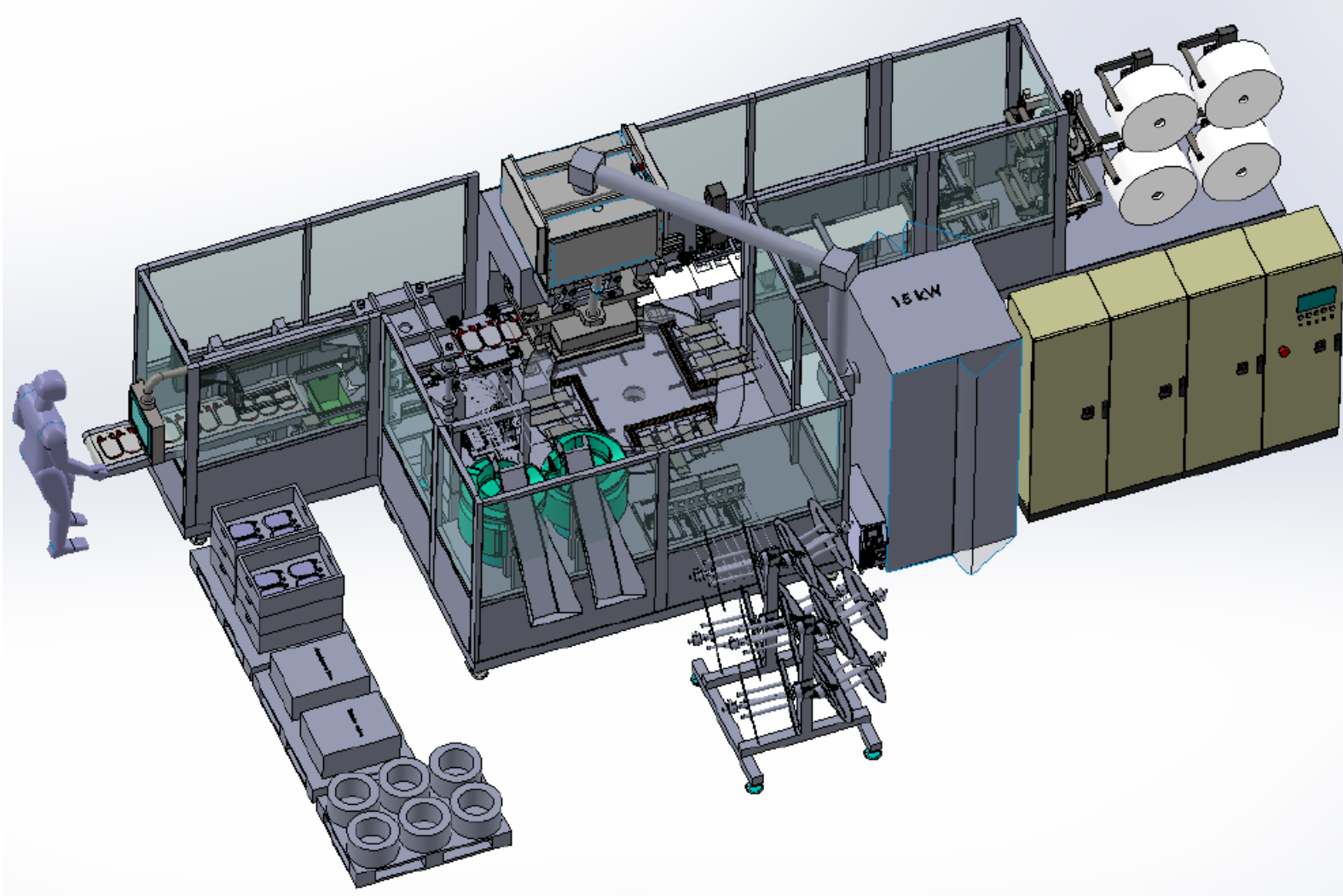


CURRENT PROJECTS

TURNTABLE HF FOR NUTRITION BAGS



INLINE MACHINE HF FOR BLOOD BAGS



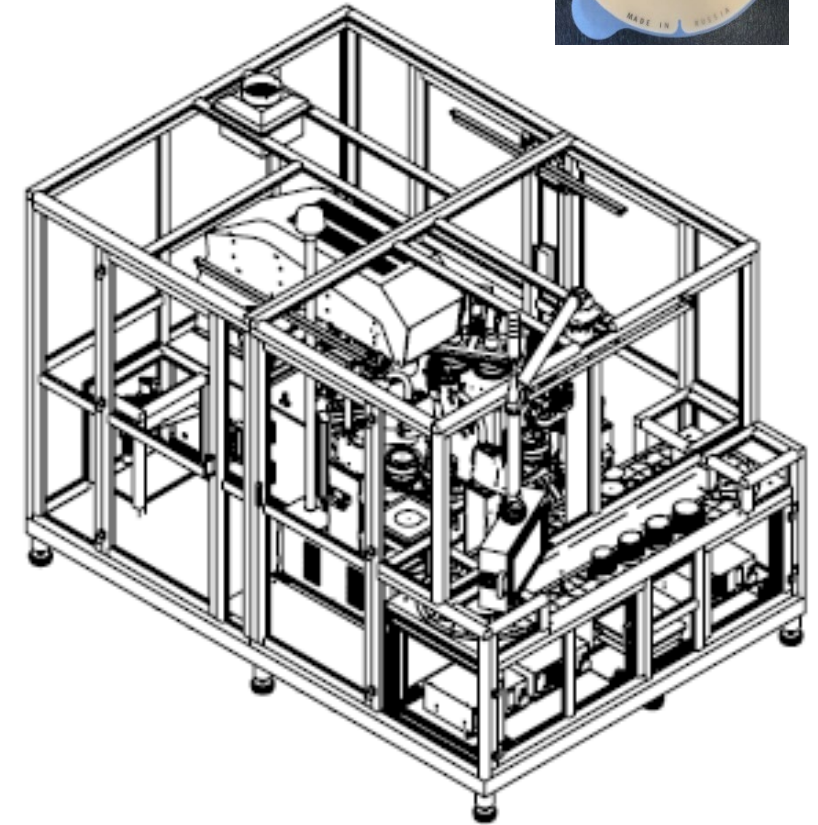
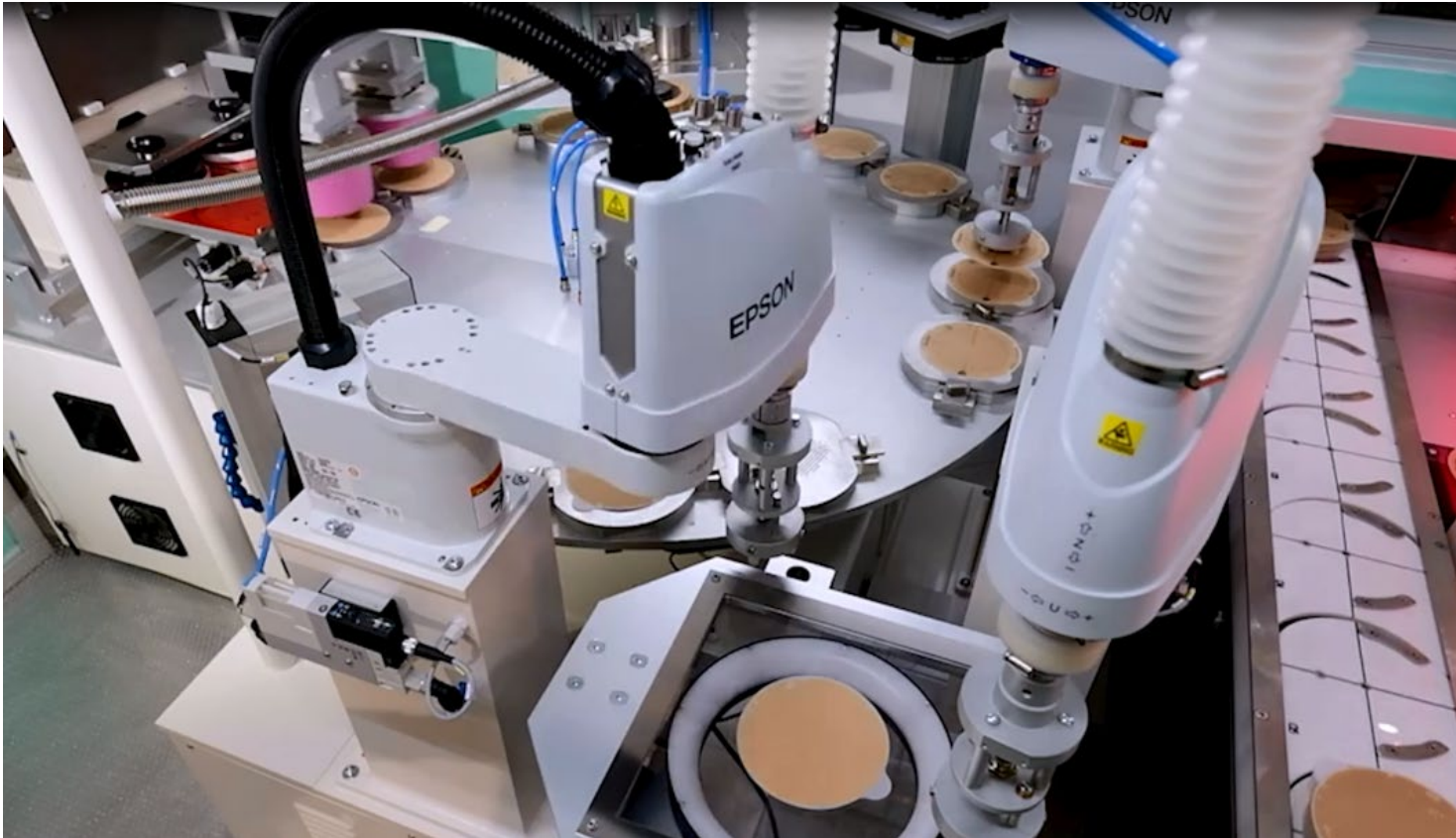


INLINE MACHINE HF FOR BLOOD BAGS

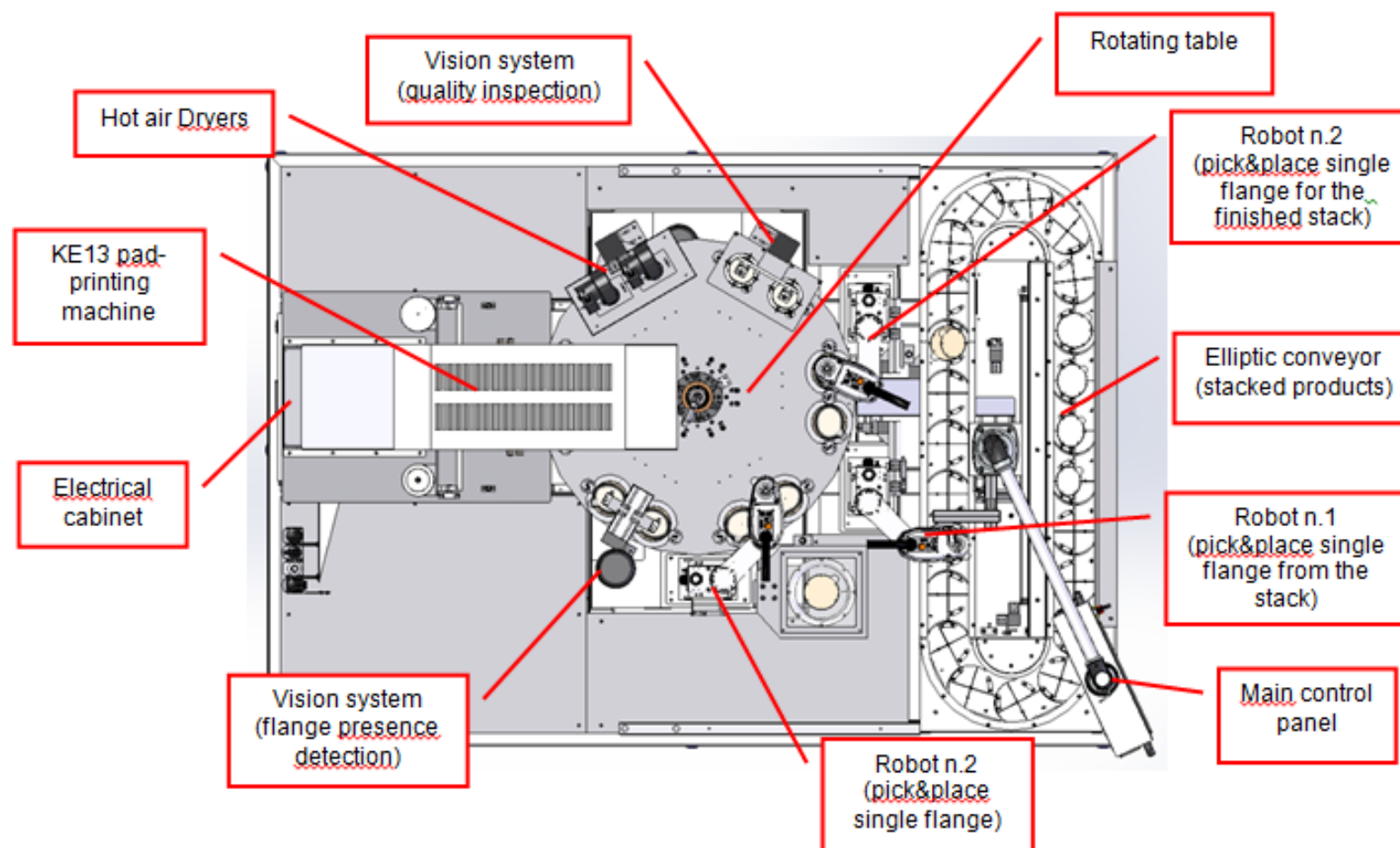


OSTOMY INDUSTRY

Persico Group & bielomatik offer
production machines for the printing of baseplates



Baseplate printing and stacking machine



Flange / baseplate forming, punching and joining machine

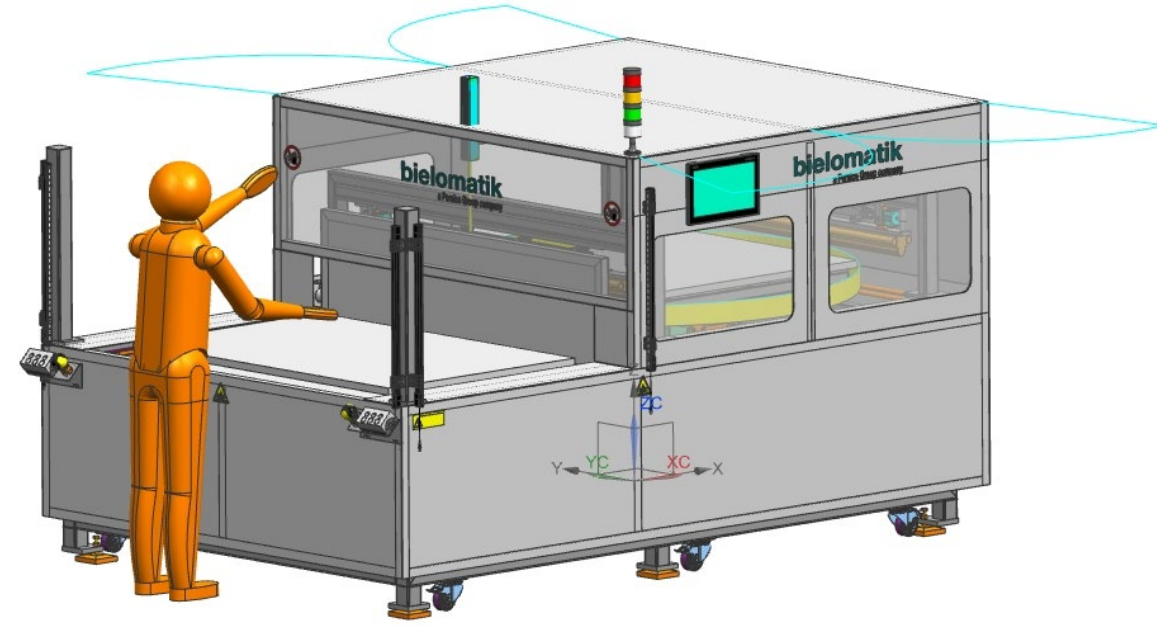
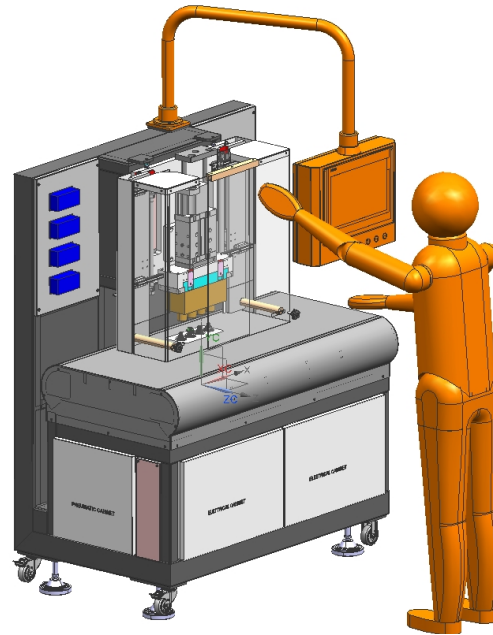
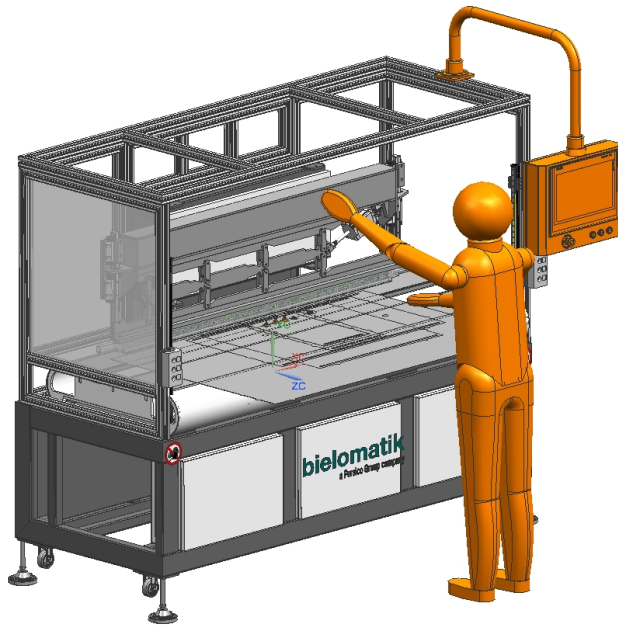


Flange / baseplate forming, punching and joining machine



BIO-MEDICAL / PHARMACEUTICAL INDUSTRY

Persico Group & bielomatik offer
impulse welding machines



NEW! Please refer to the additional documents

Persico Group & bielomatik offer
impulse welding machines



NEW! Please refer to the additional documents

Persico Group & bielomatik offer
impulse welding machines



Pictures from the shop floor

NEW! Please refer to the additional documents

bielomatik

bielomatik offers production machines
for different welding technologies and different services

To find the right welding technology:



Consulting & execution

- Basic welding tests
- Welding geometrics
- Feasibility study (PoC)
- Prototype tools
- Prototype samples



Optimization



Project Conception

- Machine & tool design
- Process optimization
- Small product series incl. tools (re-usable)



Realization



Project execution

- Build machines & tools
- Process set-up
- Customer training

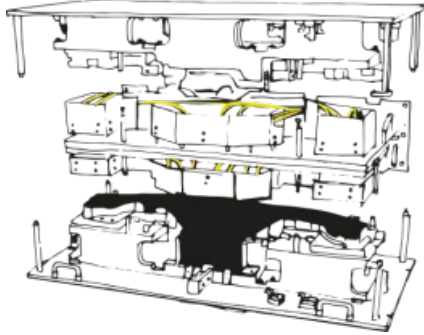
bielomatik „standard“ machines



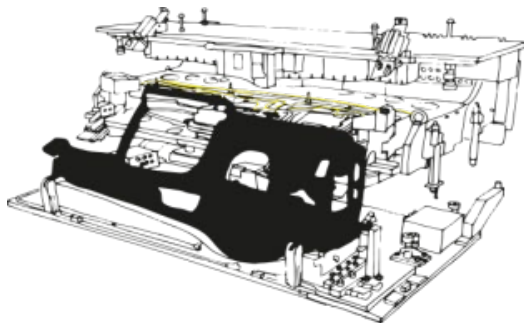
... and more



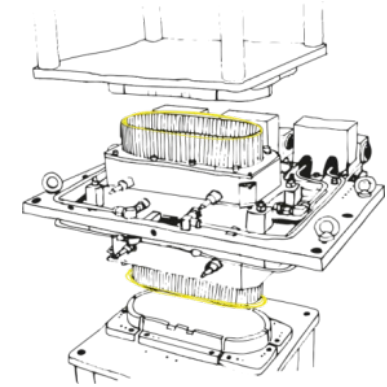
ONE MACHINE -> FOUR TECHNOLOGIES



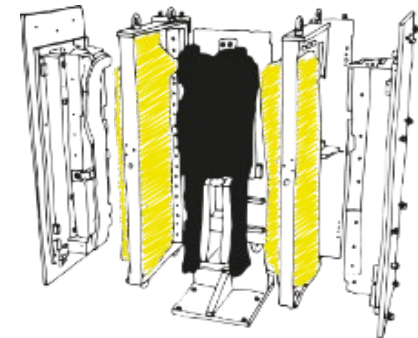
Infrared- Metal Foil (MF)
(short-wave radiation)



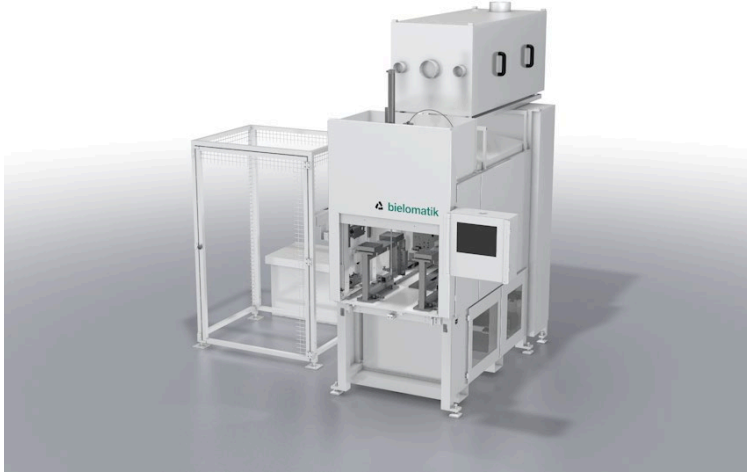
Infrared - Glas Tubes (GT)
(middle-wave radiation)



Gas-Convection (GC)



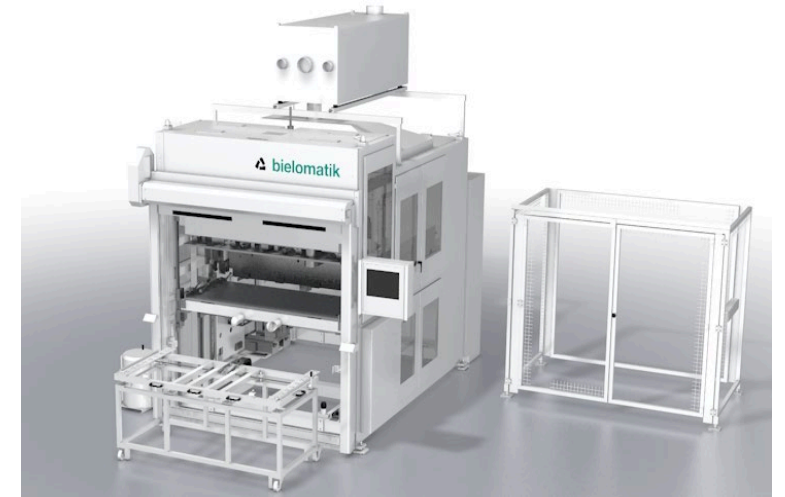
Hotplate (HP)



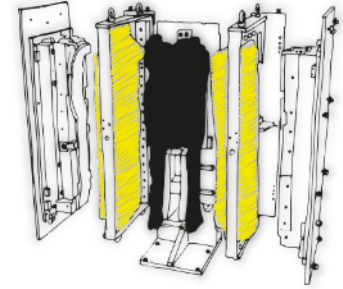
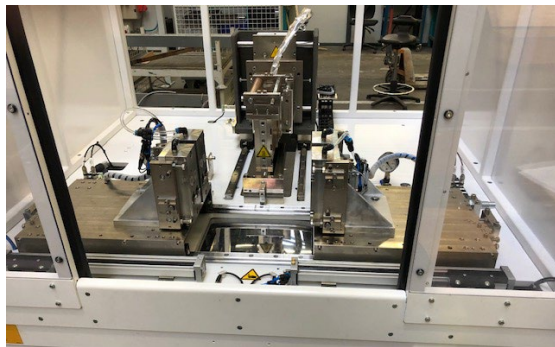
- **Component sizes:** max. 500 x 350 mm
 - Glove box, lights, filters, decorative elements, arm rests,...
- **Drives:** Pneumatic or servomotor (2 axes)
- **Welding direction:** Vertical or horizontal
- **Loading concept:** fixed, turntable, sliding table
- **Technologies:** IR (GR), HE, HG

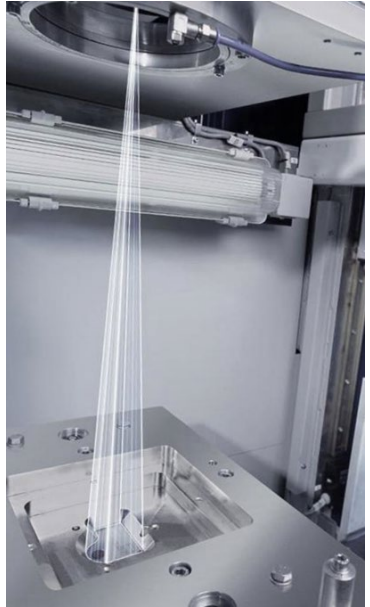
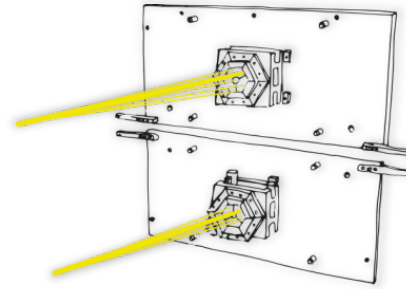
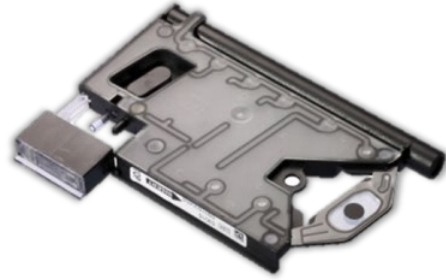
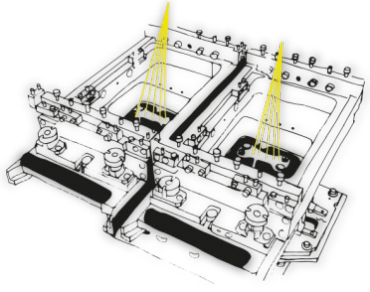


- **Component sizes:** max. 1000 x 700mm
 - Glove box, lights, decorative elements, oil & air carrying components
- **Drives:** Servo motor driven (3 axes)
- **Welding direction:** Vertical or horizontal
- **Loading concept:** Fixed, free motion axis
- **Technologies:** IR (MF, GR), HE, HG



- **Component sizes:** max. 1300 x 700mm
 - Instrument panels, center consoles, lights ...
- **Drives:** Servo motor driven (3-5 axes)
- **Welding direction:** Vertical or horizontal
- **Loading concept:** Fixed, swivel unit above and/or below, free motion axis
- **Technologies:** IR (MF, GR), HE, HG



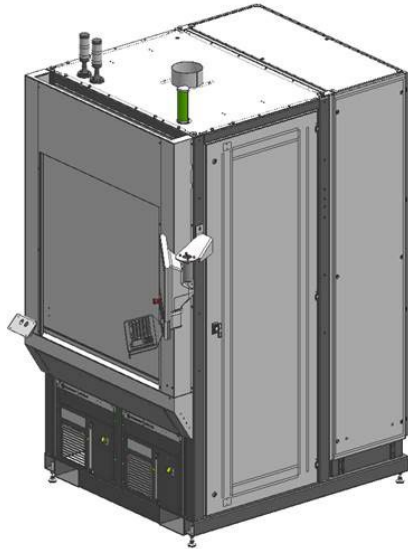


Laser welding offers the possibility of welding sensitive components with the highest cleanliness requirements. Process-related advantages are:

- No vibrations
- Small heat-affected zone
- No component contamination by the process
- Clean room compatible
- Tight and pressure-resistant welded joints

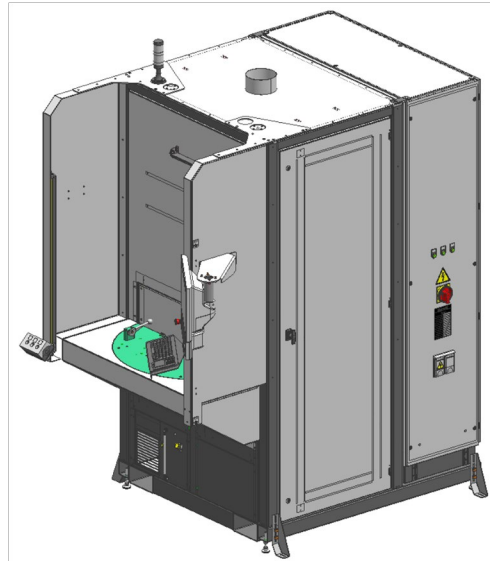
Stand-By

- Lowest machine costs - focus on pure welding operations
- Low tool costs



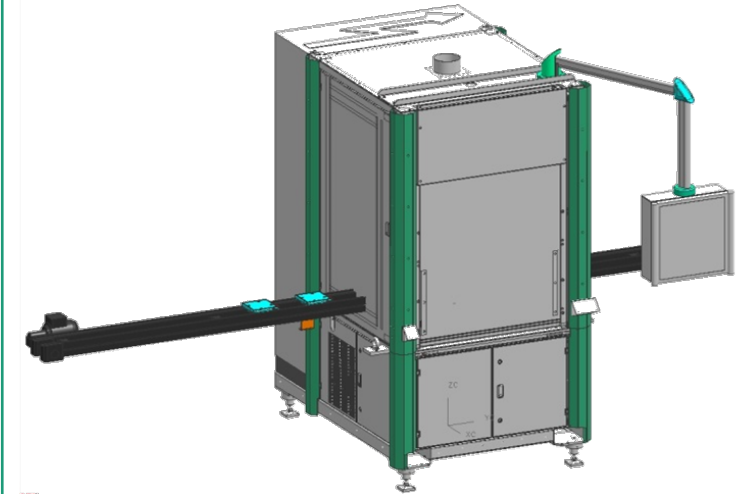
Turntable

- Simultaneous welding and handling
- Short cycle time due to turntable system



Conveyer belt

- Fully automated
- Very short cycle times

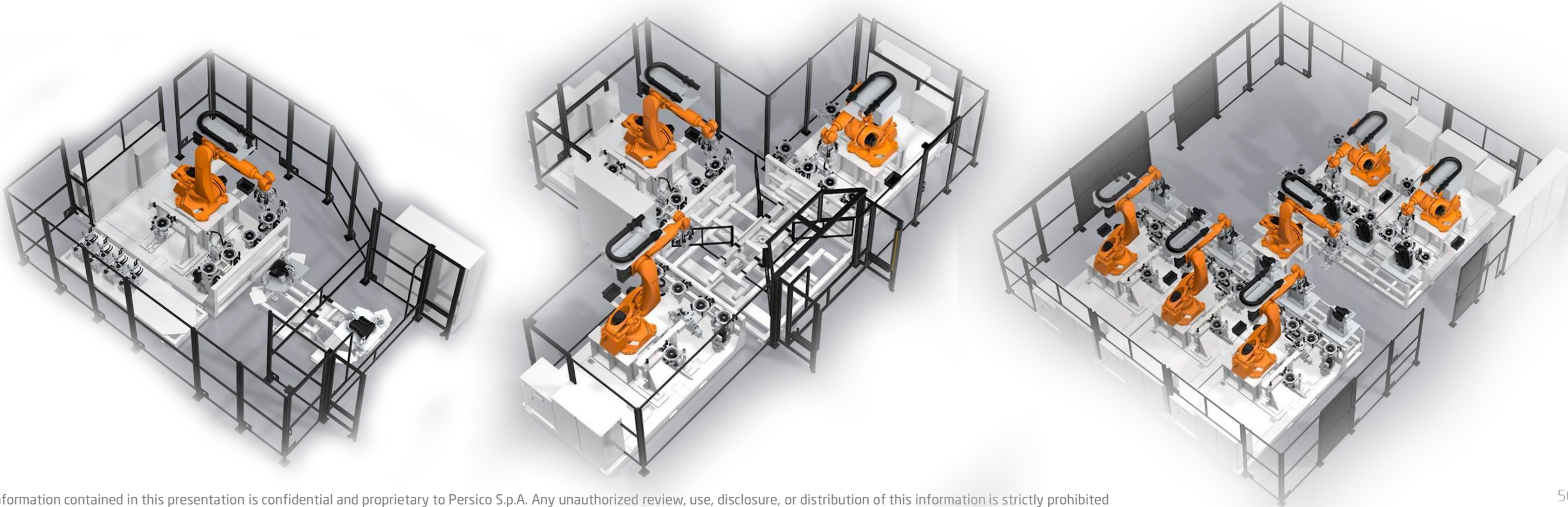


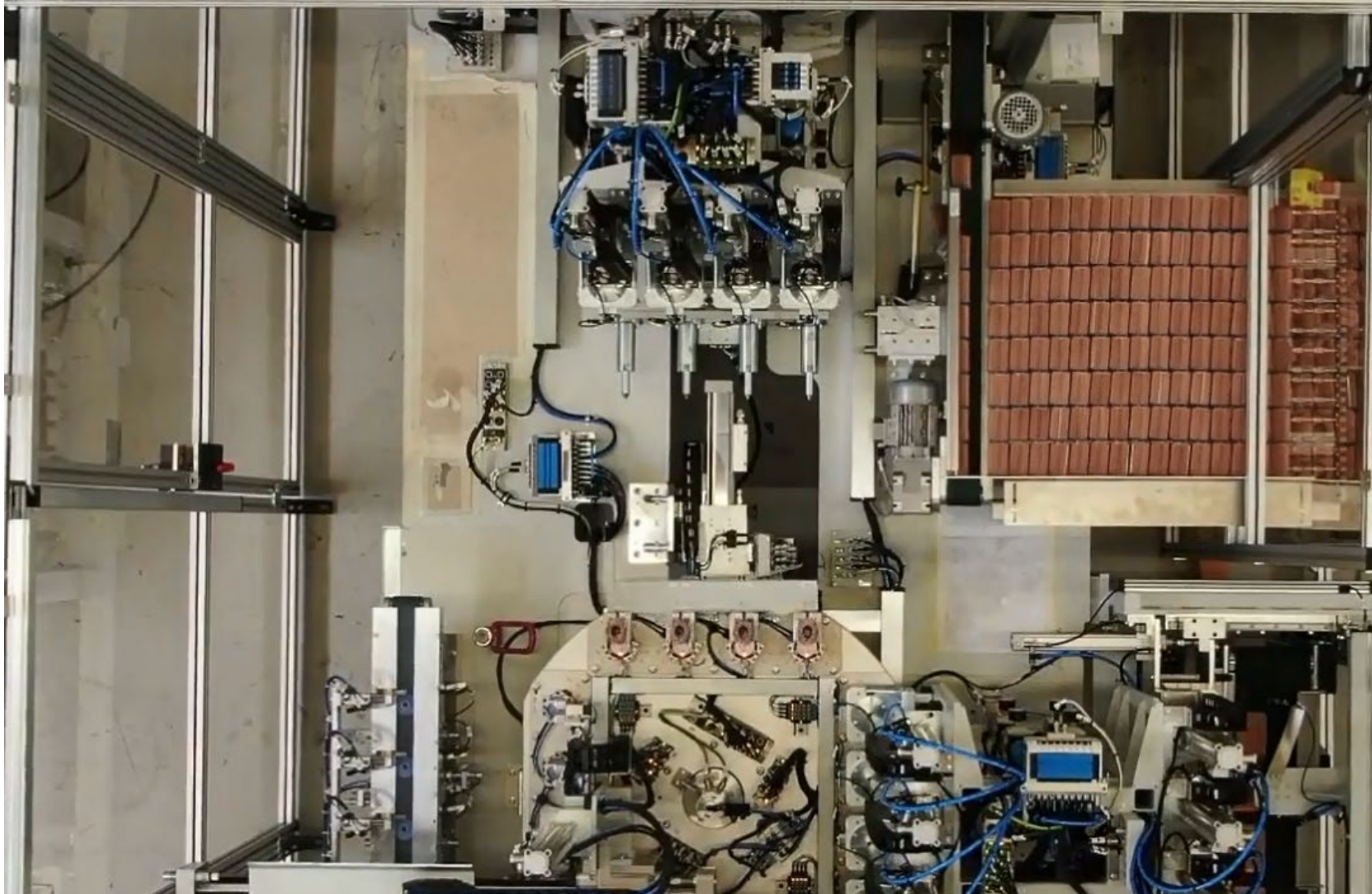
AUTOMATION

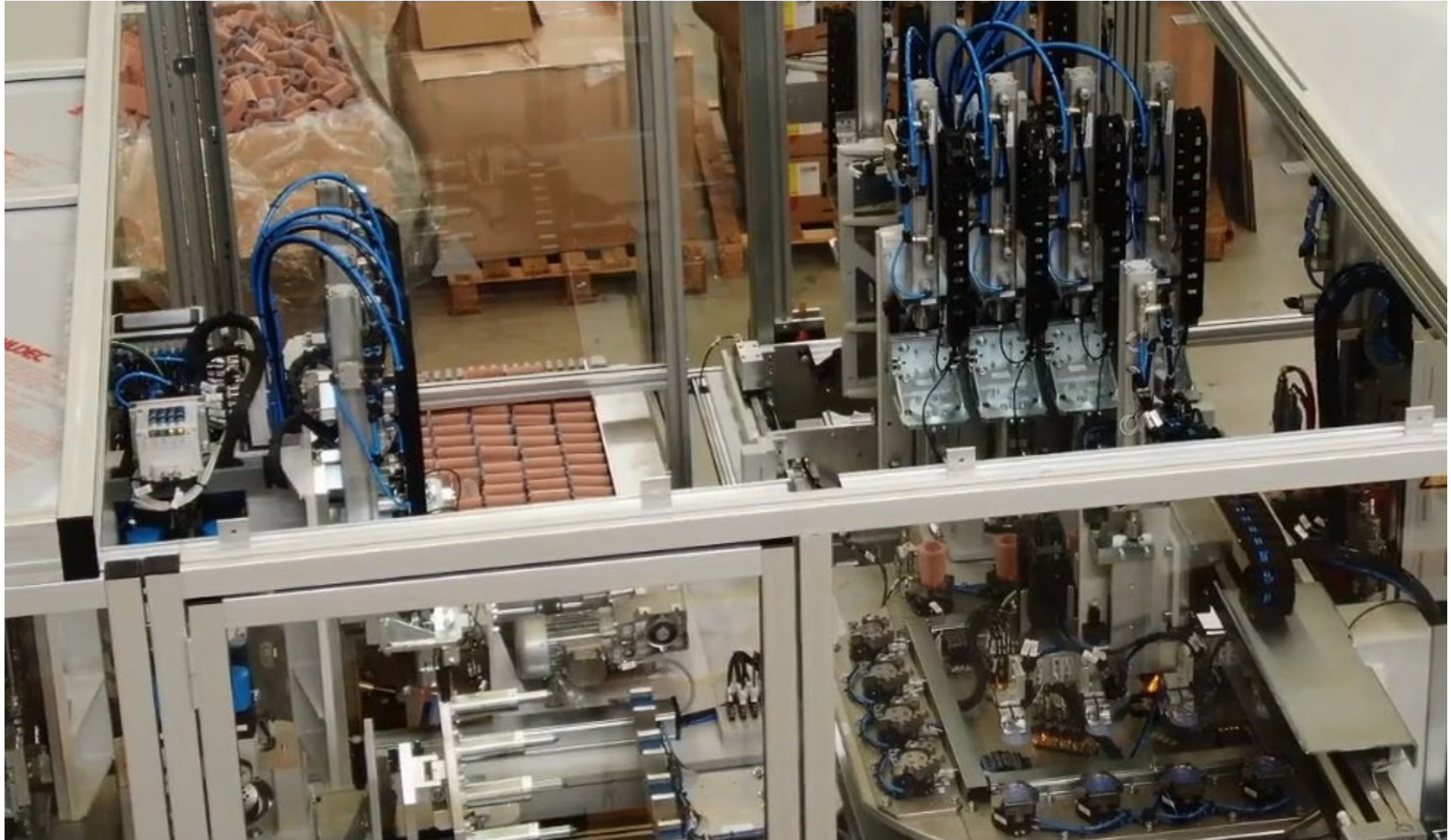
bielomatik

Our goal is to think outside the box - to fulfill customer needs individual

- Efficient
 - Flexible product / production
 - Different degree of automation
 - Customized
- high output rate and low scrap rate
 - longterm use of the equipment
 - according to budget and needs
 - individual solutions



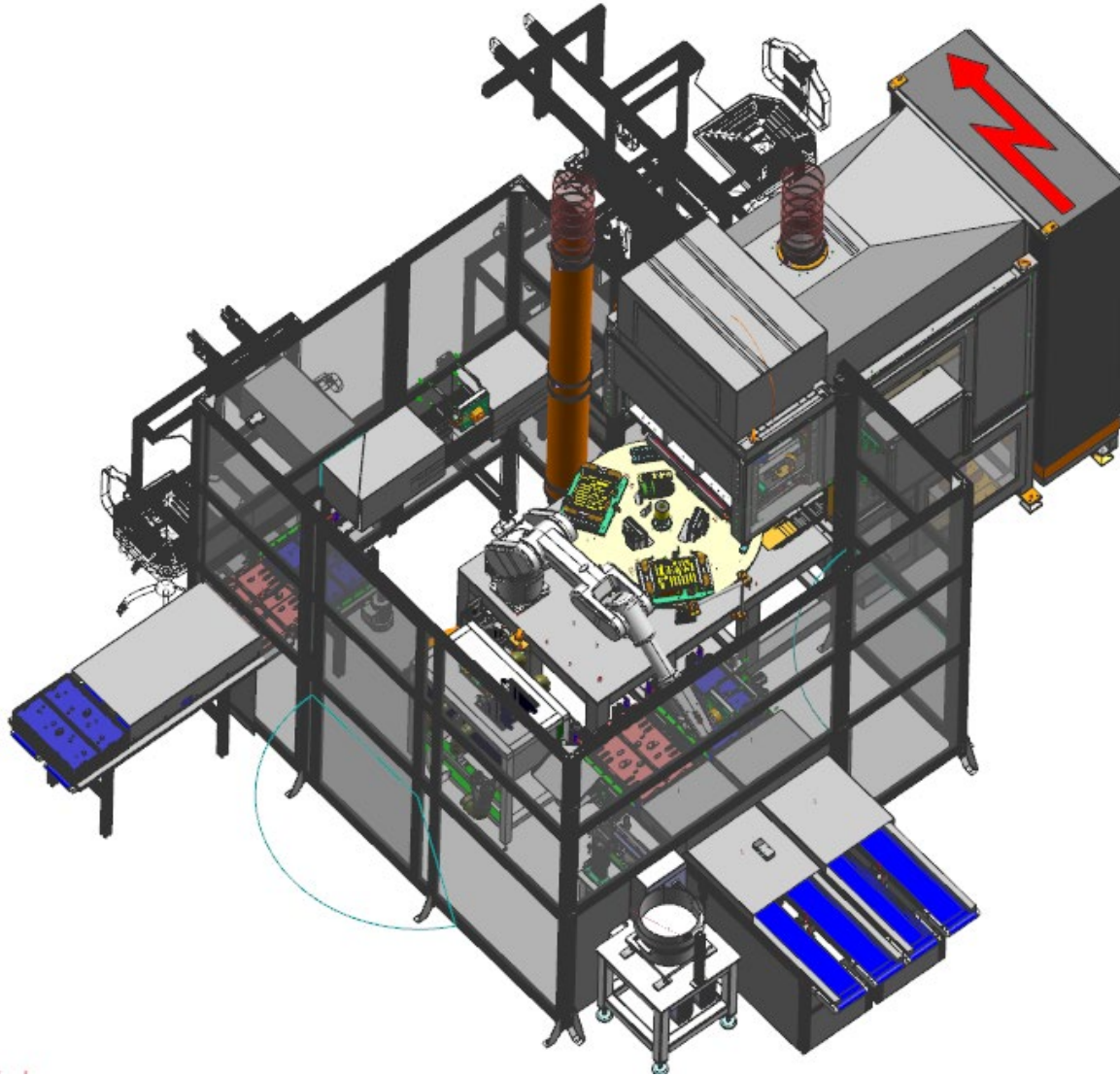




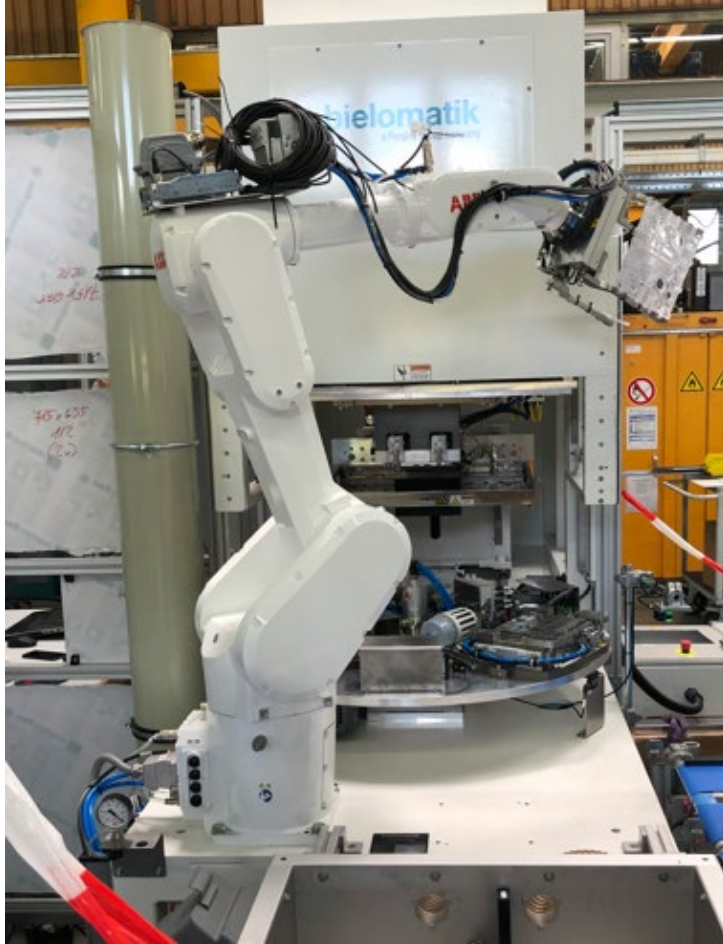
CURRENT PROJECTS

bielomatik

PRODUCTION OF CASSETTES - HOTPLATE WELDING



PRODUCTION OF CASSETTES - HOTPLATE WELDING



CONCLUSIONS



International acting partner with cross-location co-operations with Persico and bielomatik



Fully equipped technical center - all types of machines / welding technologies, including test procedures such as microtome cutting, bursting pressure, etc.



State-of-the-Art Technologies - Process neutral consulting on the selection of welding technology



Worldwide exchange of competence and resources within the Persico Group

Thank you!
Grazie Mille!
Muito Obrigado!
Vielen Dank!
ありがとうございました
Merci!
Большое спасибо!
谢谢!
Tack!
¡Muchas Gracias!
Bedankt!
Çok teşekkür EDERİM!

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