

Körber Cell Maker – EVIOS

We accelerate the **transformation** towards sustainable mobility

Körber Group – Market leadership through **technology** leadership

Focus on 4 business areas



Digital

#1 digital lab in Germany



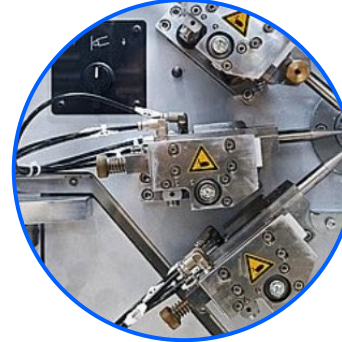
Pharma

#1 in MES, inspection and packaging



Supply Chain

Top 2 in WMS software
Top 3 in automation & parcel solutions



Technologies

#1 in the tobacco industry
&
battery technology

7% R&D spend to constantly innovate

Ambition and key facts



Market leadership through technology leadership



Global leader, 100 locations world-wide



High **sustainability** focus



High priority on driving digital transformation – 5th biggest software company in Germany



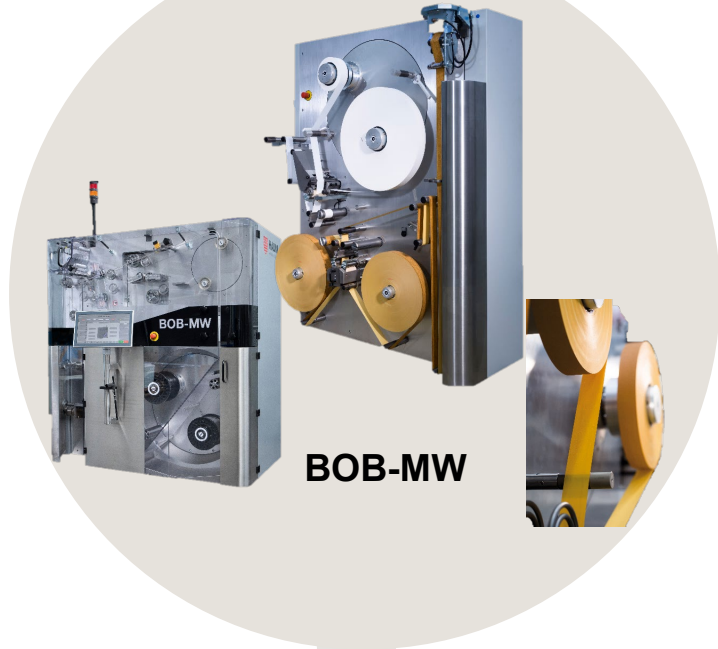
3.2 bn € order intake, of which 20% software
~12,000 employees



Financial independence, Körber AG is 100% owned by Körber Stiftung

We have transferred our market-leading **core competencies** to battery stacking

Fully automated material supply



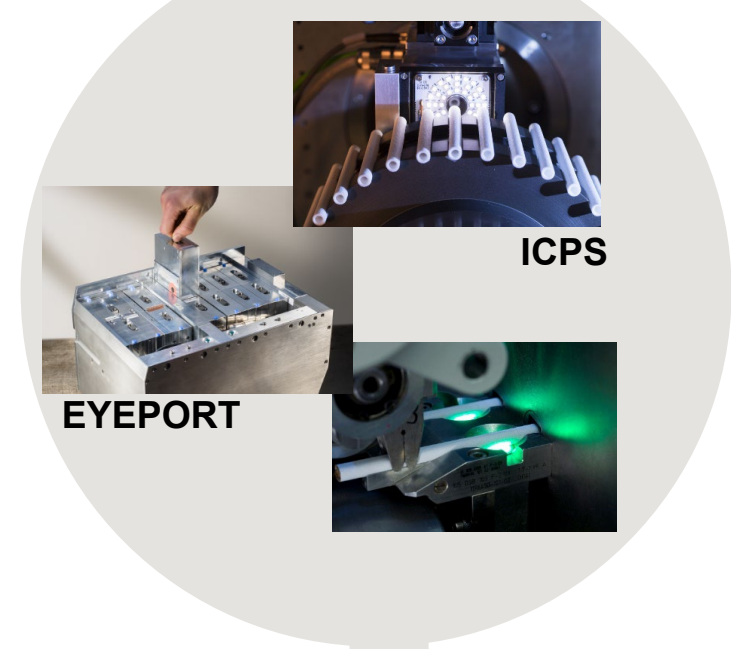
BOB-MW

High-speed continuous processes



MSM

Precise online quality control



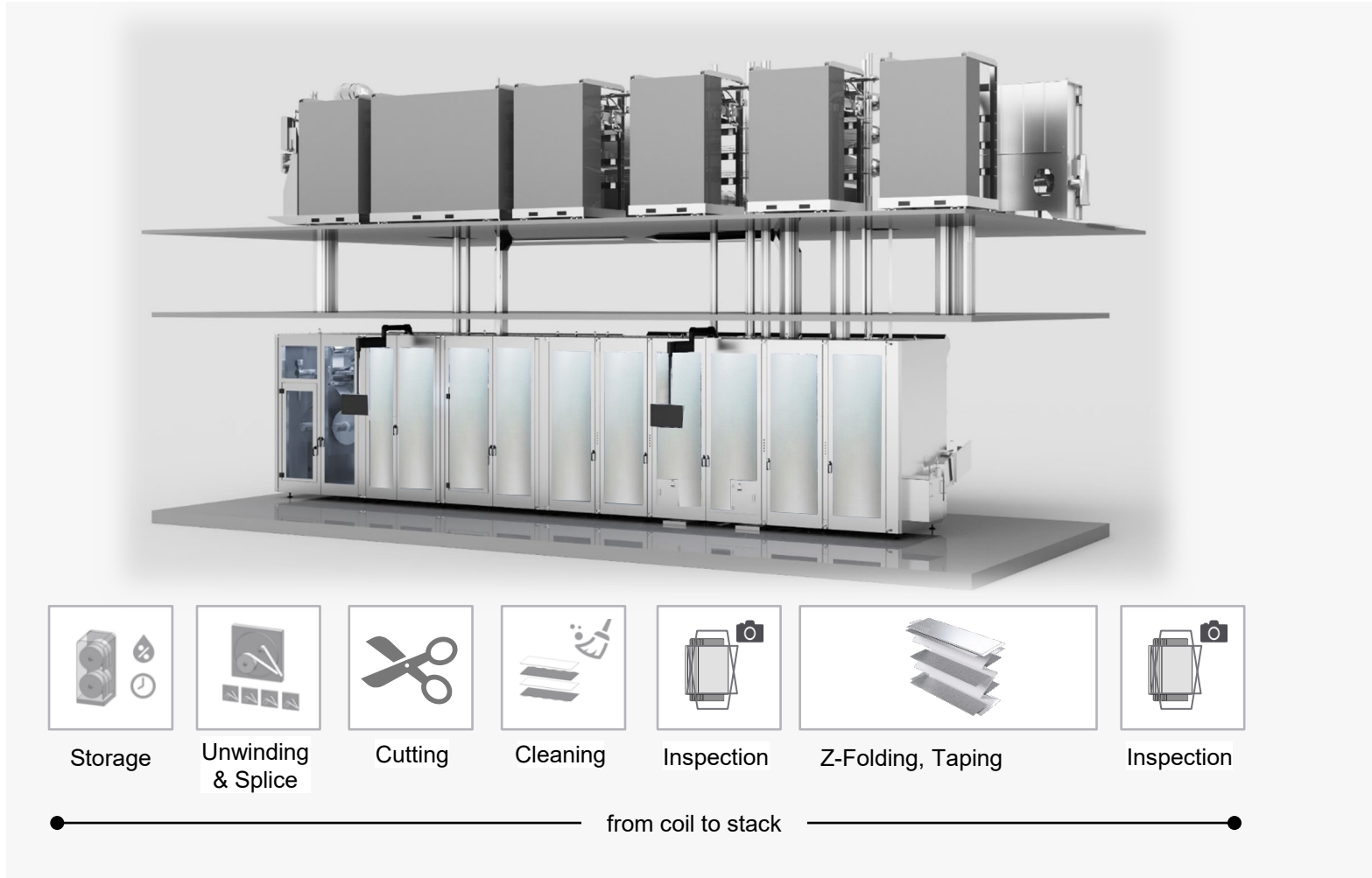
ICPS









EYEPORT

Evios Z

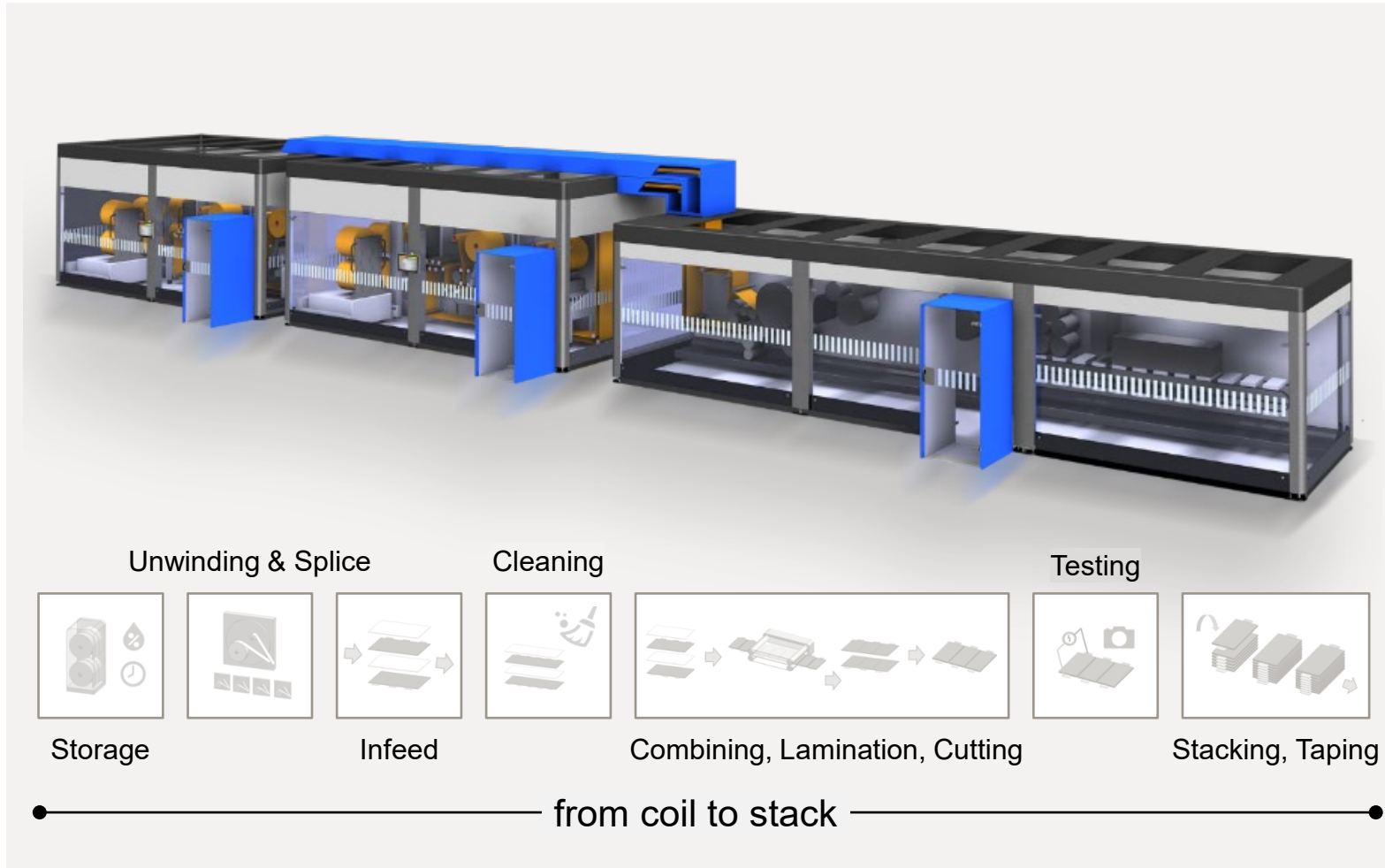


The **Evios Z** revolutionizes the **coil to stack** z-folding process in automotive battery cell manufacturing



-  Up to 0.7 GWh per machine
-  Stacking speed
400 sheets/min \cong 0.15 s/sheet
-  Fully automated from coil to stack
-  \leq 0.9 % Scrap Rate
-  Footprint: ~20 sqm
-  \geq 92% OEE
-  100% online quality inspection of electrodes
-  Significantly reduced operating costs

Körber Cell Maker - Lamination to Stack - Evios L

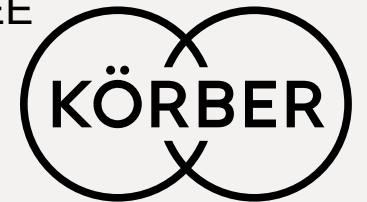


KÖRBER Evios L

Combines high-speed, precision and a modular design for existing and new types of batteries (i.e. solid state)

Top Capabilities

≥ 720 Monocells / min
< 0,9% Scrap Rate
> 92% OEE
< 54 m²



Delivering **economic** and **ecologic value** to our customers

Value proposition 01



Best-in-Class technology & solutions

- Enhanced optical online inspection
- Standard digital interface (i.e., OPC UA, edge PC)
- Fully automated from coil to stack (incl. threading and splicing)

Value proposition 02



High quality & throughput in production

- 100% online quality inspection
- Increased stacking quality
- Ejection of NG Material
- Quality sampling station
- Web and sheet cleaning units
- Quality sensors
- Clean room design & laminar flow

Value proposition 03



Deep understanding in production processes

- Full implementation of design specification
- FAT with customer products in clean & dry room condition to minimize on site commissioning and SAT

Value proposition 04



Optimized OPEX and performance improvements

- OPEX reduction via incr. MTBF
- Fast ramp up via fully aut. settings
- Reduced manning per GWh
- > 92% OEE / < 0.9% Scrap Rate
- Evios Z: ~20 m² footprint