



High performance automation for the plastics industry

perfecting your performance



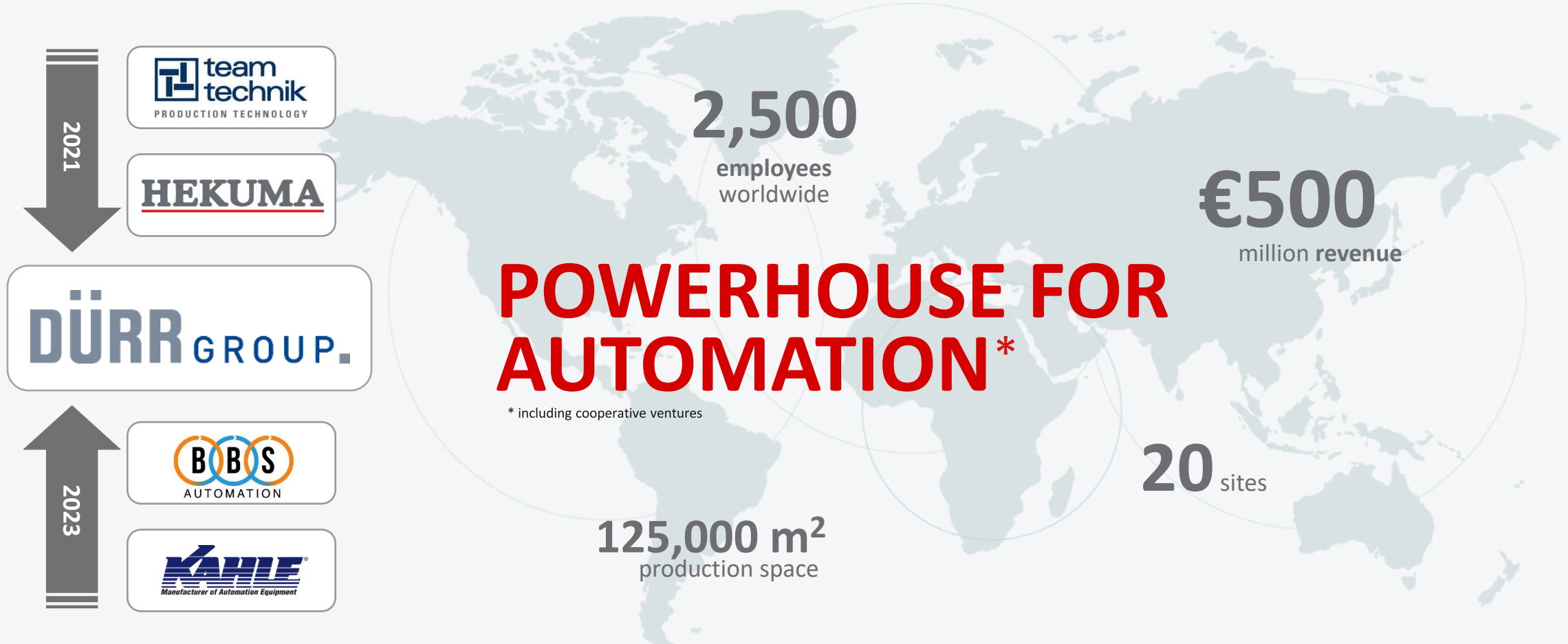
HEKUMA at a glance

HEKUMA



Production Automation – We are DÜRR

HEKUMA



Comprehensive Range of Technologies



- Loading and take-out technology
- Feeding technology
- Assembly technology
- Processing technology
- Foundry automation
- Winding technology
- Test technology
- Palletization and packaging
- Control technology
- Measuring and control technology
- Software and digitalization

High performance single source supplier

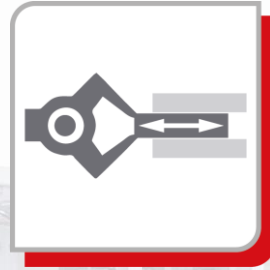
HEKUMA



Injection Molding



Feeding & Sorting



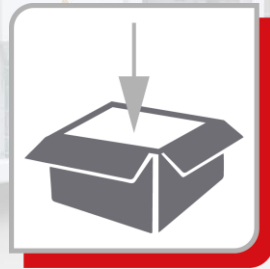
Loading & Take-out



Assembly & Processing



Testing



Packaging

- Production and service sites around the world within the Production Automation Unit
- Process expertise from A to Z: injection molding, takeout, feeding, assembly, testing, packaging etc.
- Provider of Turnkey solutions

Our Slogan - A performance proposition

perfecting your performance

For you, our mission statement means...

- quality, reliability and flexibility.
- solutions with extremely high output and availability.
- to rely on a specialist and partner with many years of experience.

In a nutshell: **Advantages in your market!**



Injection Molding & Assembly Automation for **HEKUMA**



10%

AUTOMOTIVE



75%

MEDICAL



15%

CONSUMER GOODS

High performance automation for the Automotive Industry

high-precision - reliable - flexible



Automotive - Range of performance



- Product portfolio **HEKUmotive**:
 - Connectors & Housings (Hybrid Components)
 - Panels & Displays
 - Vents
- Solving complex tasks through flexible concepts with workpiece carrier or rotary table
- Fulfillment of safety-relevant requirements through high-precision manufacturing processes
- Possibility of system extension and gradual expansion
- Reusability of modules and components for follow-up projects

Automotive - Process portfolio



Sorting & Feeding



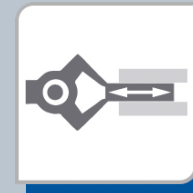
Punching



Pin Processing



Foil Processing



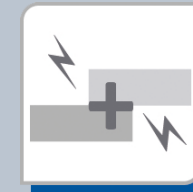
Loading & Take-out



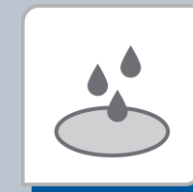
Handling



Membrane Processing



Joining



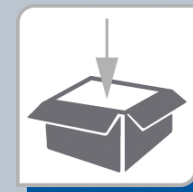
Cleaning



Testing & Measuring



Marking & Labeling



Packaging



Palletizing

Automotive - Example Housing



For watching the video please contact your HEKUMA Sales Manager

Configuration:

- Punching and processing of pins
- Simultaneous loading into the mold and take out of the finished parts
- Handling with a mold open time of 5.5 - 6 sec.
- Membrane assembly & Laser welding
- Testing units: vision inspections, pin length testing, electrical testing, leak testing
- Laser marking
- Sorting out NOK parts according to defect patterns
- Fully automatic packaging of finished parts in trays
- Stacking of trays into packaging units

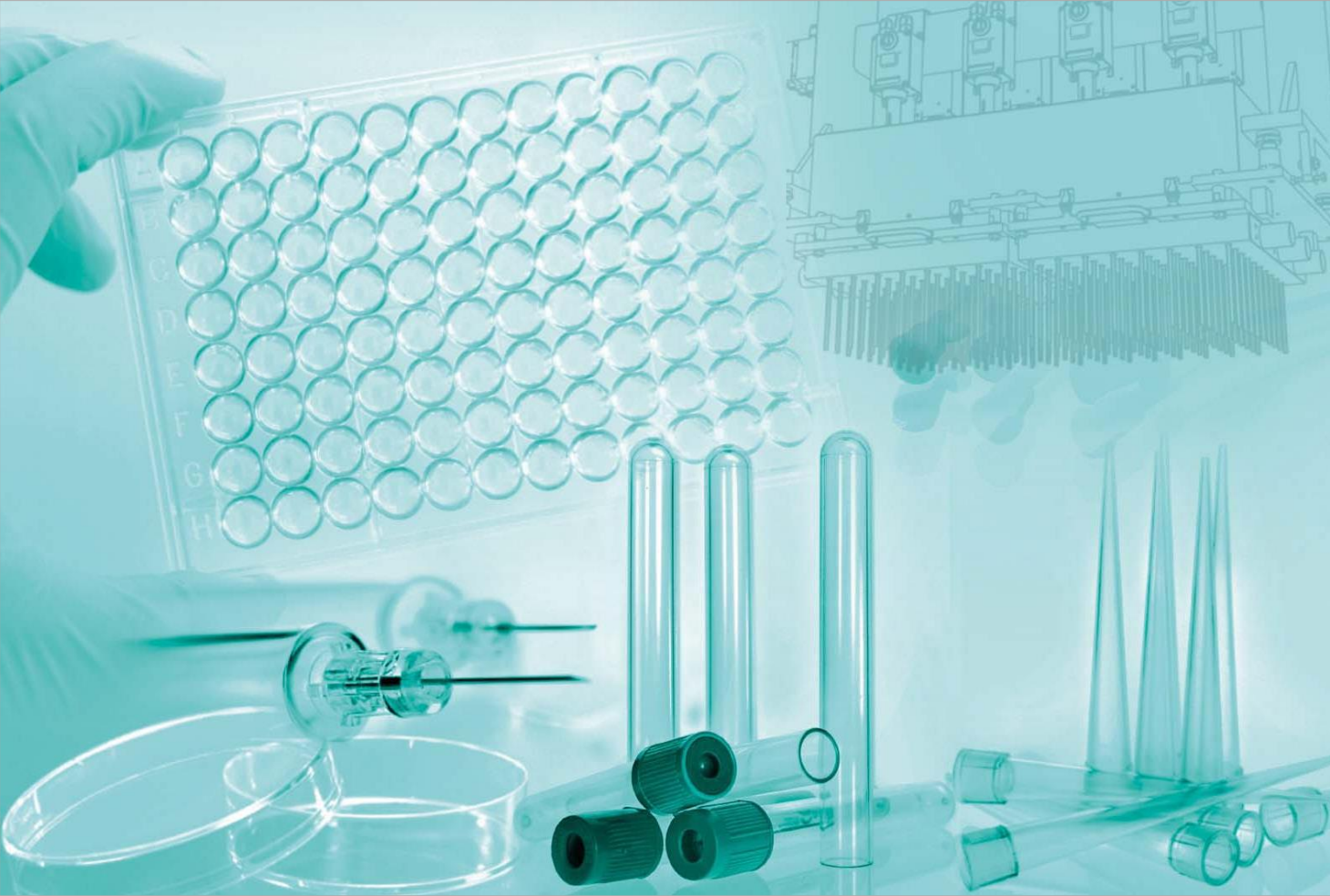


High performance automation for Medical Devices

high volume - qualified - fast



Medical - Range of performance



- Plastic disposable products in the laboratory, diagnostics & medication sector
- Product portfolio:
 - Blood Tubes - **HEKU***tube*
 - Catheter - **HEKU***cath*
 - Contact Lenses
 - Laboratory Vessels - **HEKU***lab*
 - Microtiter Plates & Well Plates
 - Suture Kits
 - Petri Dishes - **HEKU***dish*
 - Pipette Tips - **HEKU***tip*
 - Syringes, Cannulas & Needles
- High product volumes with maximum production speed
- Sophisticated concepts from stand-alone solutions to semi-automated and fully automated production lines
- High level of standardization of the automation steps with simultaneous flexibility at system configuration and product variability
- Fulfillment of cleanroom-relevant requirements and qualified systems

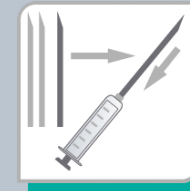
Medical - Process portfolio



Sorting & Feeding



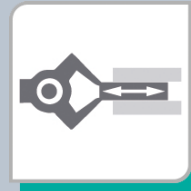
Lumen Processing



Needle Assembly



Filter Assembly



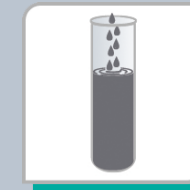
Loading & Take-out



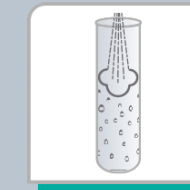
Handling



Surface Treatment



Gel Filling



Reagent Coating



Cap Assembly & Vacuuming



Foil Processing



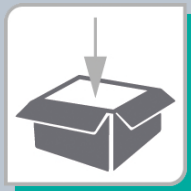
Joining



Testing & Measuring



Marking & Labeling



Packaging

Medical - Example Well plate



For watching the video please contact your HEKUMA Sales Manager

Configuration:

- Take-out of 96 cavities
- Handling with cycle times of 7.2 sec.
- Camera Inspection: „on-the-fly“
- Cavity separated exchange of NOK parts by good parts
- Labeling of trays with 48 cavities
- Inserting of wells in trays
- Stacking to 25 trays
- Banding and Packaging

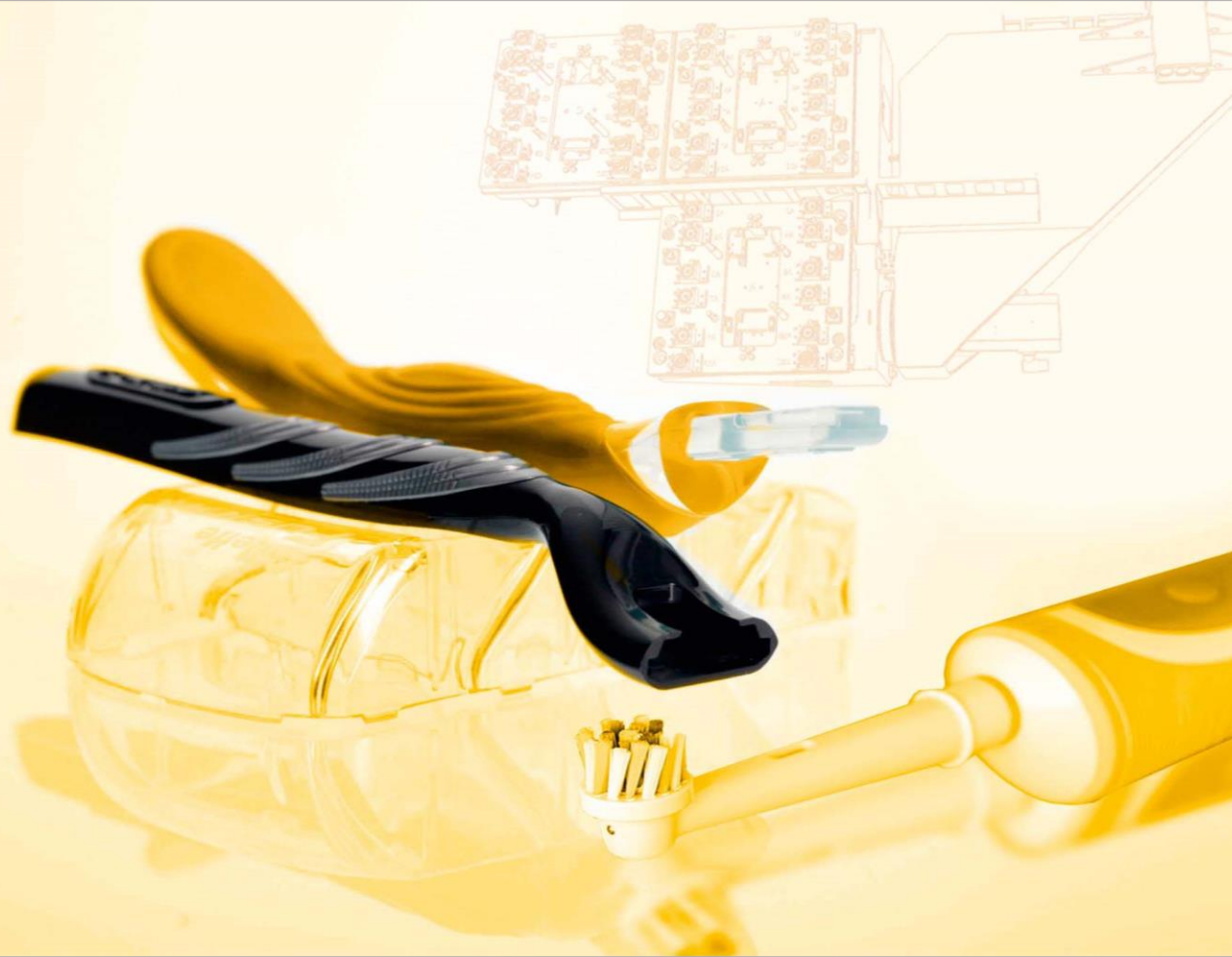
High performance automation for Consumer Goods

complex - high volume - precise



ConsumerGoods - Range of performance

HEKUMA



- Products in the field of Personal Care, Energy and Building technology
- Product portfolio:
 - Razor parts
 - Tooth brush parts
 - Battery Components
 - Housings (hybrid components)
 - Terminals
- Complex and specific manufacturing processes such as 2K injection molding or cavity separated handling
- Fulfillment of high quality and cleanliness requirements and qualified systems

ConsumerGoods - Process portfolio



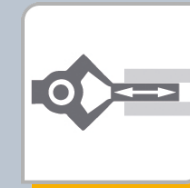
Sorting & Feeding



Punching



Pin Processing



Loading & Take-out



Handling



Membrane Processing



Joining



Testing & Measuring



Marking & Labeling



Packaging



Palletizing

ConsumerGoods – Example Tooth Brush Part

HEKUMA

HEKUMA
teamtechnik Group

For watching the video please contact your HEKUMA Sales Manager

Configuration:

- Take-out of 12 cavities
- Handling with cycle times of 24 sec.
- 2K injection molding
- Membrane assembly
- Camera inspection
- Cavity separated storage in bags

Automation to the point



- Solutions for complex applications and challenges
- Sophisticated complete concepts from loading to take-out to packaging
- Flexible system configuration with a high level of standardization
- Risk reduction by using proven technology
- High speed automation with excellent overall availability
- Automation solutions for high quality product output
- Reliable and built to last systems on the basis of a robust and precise design
- Consideration of all relevant qualification processes (DQ/IQ/OQ)
- Provider of turnkey solutions with expertise beyond automation

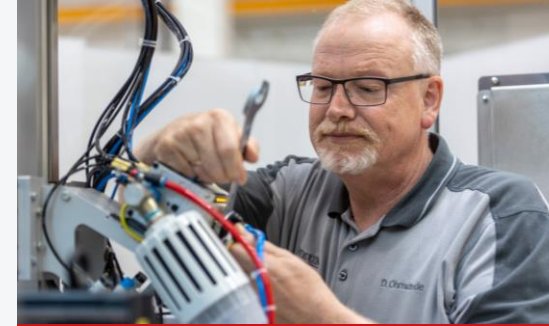
Service range



TECHNICAL SUPPORT



SERVICE PARTS



MAINTENANCE



OVERHAUL, RETROFIT
& OPTIMIZATION



PRODUCTION
SUPPORT & TRAINING



SYSTEM RELOCATION

HEKUMA to the point

HEKUMA



**HIGHSPEED
PRECISION
TURNKEY SOLUTIONS
QUALITY
LOW MAINTENANCE
RELIABILITY**

perfecting your performance