

HOW TO FACE NEW SUPPLY CHALLENGES

AGILE SOLUTIONS FOR PERSONAL CARE PRODUCTS



*Performance
through
Understanding*

 **Sidel**

YOUR PACKAGING

YOUR ENVIRONMENT & NEEDS

WHATEVER YOUR PRIMARY PACKAGING



Bottles, Shaped plastic containers, Cartons, Pots, Jars, Flexible Packaging, Aerosols, Tubes, Roll-on

AND SECONDARY/TRANSIT PACKAGING



RSC cases, Wrap Around, Trays, Shelf Ready Packaging, Shrink Packs, Corrugated+Film

OUR BELIEVES

CREATIVITY
TO STAY AHEAD

FORGET
"ONE SIZE FITS ALL"

COMPREHENSIVE
PORTFOLIO

TODAY BUT ALSO
TOMORROW

DESIGN CAPABILITY
AT EVERY STEP

MARKET-DRIVEN
CUSTOMIZABLE
SOLUTIONS

CROSS-CATEGORY
ASSOCIATED
EXPERIENCE

PERFORMANCE
OVER TIME &
INDUSTRY 4.0 VISION

YOUR ENVIRONMENT & NEEDS



BRAND DIFFERENTIATION

Conversion to new sustainable
primary/secondary packaging



PRODUCTION INCREASE

Equipment/Line/Plant Design
for higher performances



QUALITY/SAFETY

Product/staff integrity
and full traceability



SKU MULTIPLICATION

Faster Time to Market
and high flexibility



ASSET OPTIMIZATION

Manufacturing efficiency, Energy
savings & Total Cost of Ownership

COMPETENCIES AND SOLUTIONS YOU NEED



PACKAGING DESIGN



ENGINEERING



COMPLETE/INTEGRATED
LINES



PERFORMANCES
SERVICES

MARKET-TAILORED AGILE SOLUTIONS



BLOWING



FILLING



LABELLING



CONVEYING



SHRINK
WRAPPING



PACKING



PALLETIZING



ROBOTICS

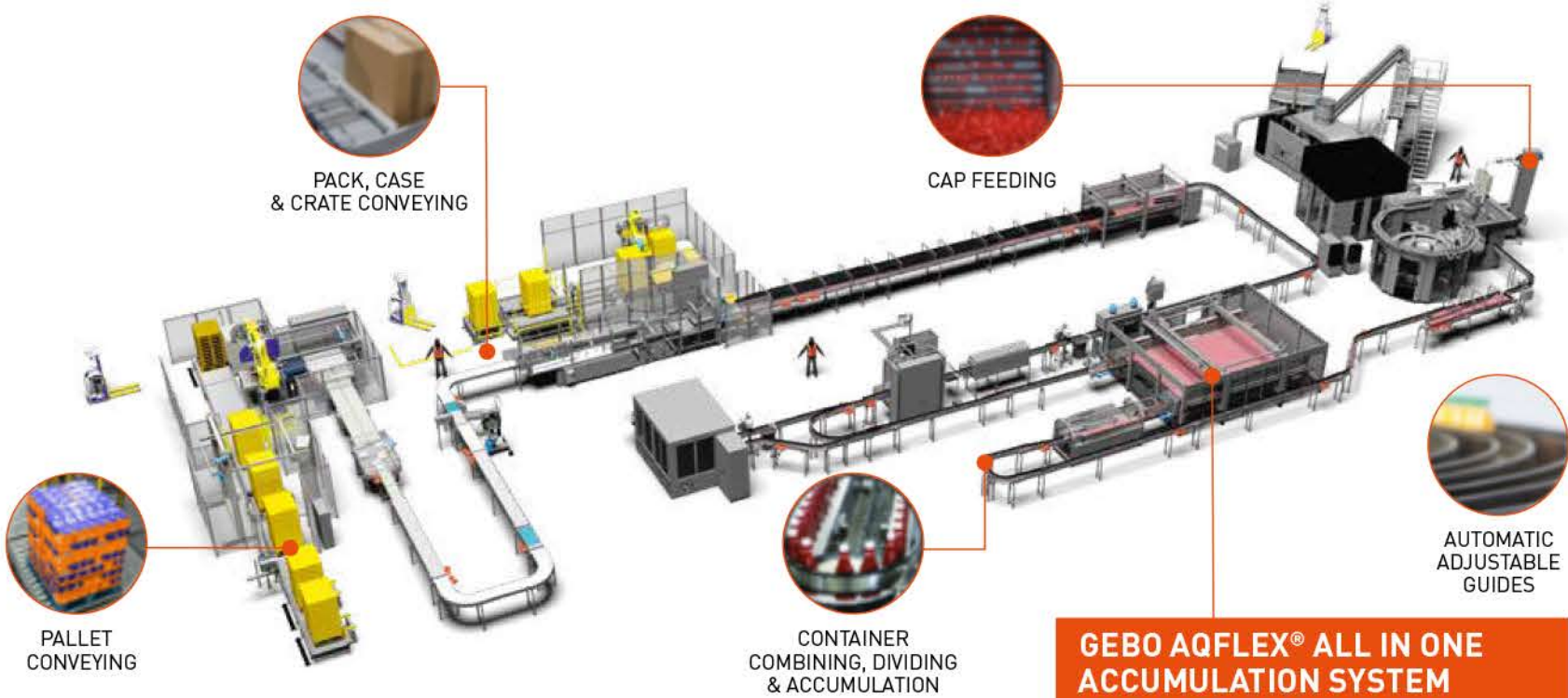


INTRALOGISTIC

COMPREHENSIVE END OF LINE RANGE

CONVEYING AND ACCUMULATION

THE SHORTEST PATH BETWEEN TWO POINTS IS A STRAIGHT LINE...
But not always the most rational or the best possibility under real industrial conditions



GEBO AQFLEX® ALL IN ONE ACCUMULATION SYSTEM

- All container materials, formats and shapes
- Contact free accumulation
- Smooth product handling
- High flexibility
- Up to 40% space savings
- Easy integration into existing or new line



SHRINK-WRAPPING



SEAMLESS
High to Medium speed



SEAMLESS
Medium to Low speed

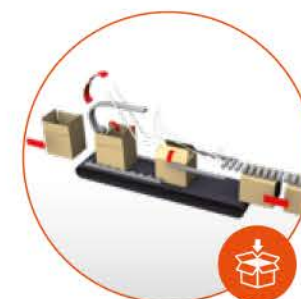


WITH SEALING BAR
Low speed

PACKING IN RSC



CASE ERECTING
Vertical or side



CASE SEALING
Glue or tape



CASE PACKING
Top or bottom loading



CASE PACKING
Side-loading

PACKING IN WRAP AROUND & TRAYS



TRAY+LID PACKING
Shelf Ready Packaging



CONTINUOUS PACKING
Tray / Wrap Around



INTERMITTENT PACKING
Tray / Wrap Around

CERMEX WB46 PACKER

- Changeovers in less than 5 minutes
- 30% electricity saving
- Enhanced accessibility & hygiene



PICK & PLACE - ROBOTICS



TRADITIONAL VERTICAL
Packing



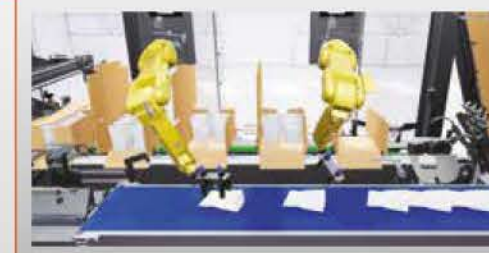
GANTRY PICK & PLACE
Packing



ROBOTIC
Packing

MULTI ROBOT PACKER

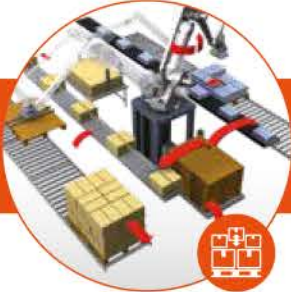
- Flexibility & versatility from the robot concept
- Collation & packing simplified
- Customized, lightweighted gripping tools



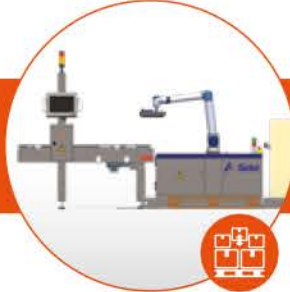
UNIQUE STAND ALONE PORTFOLIO

PALLETIZING / DEPALLETIZING

ROBOTICS
COBOTICS



ROBOTIC
Poly-articulated



COBOTIC
Industrial Low/Medium speed



COMBI
Packing & Palletizing

ROW/LAYER
DRIVEN



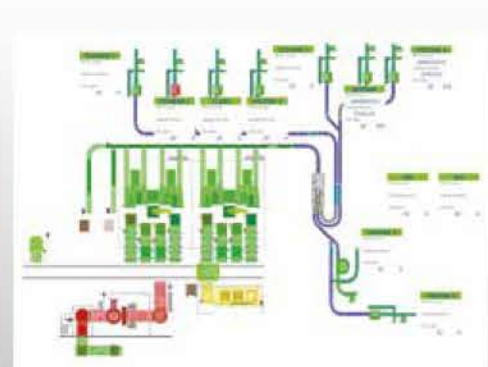
TRADITIONAL
Layer by Layer



DEPALLETIZING
Layer by Layer

COMPREHENSIVE CENTRALIZED & CONNECTED SYSTEMS

- Integration of pallet stretch-wrapping, labelling, case and pallet conveying
- Centralized supervision system
- Management of production orders
- Full traceability of packages and pallets



**BRINGING INTELLIGENCE
TO END-OF-LINE**

INTRALOGISTICS



GL FORK OVER LEGS
Automatic Guided Vehicles



GF COUNTERBALANCED
Automatic Guided Vehicles



CM POWERED CONVEYOR
Automatic Guided Vehicles

ENGINEERING SERVICES

INNOVATIVE THINKING & WORLD-CLASS EXPERTISE

PLANT
DESIGN



ASSET OPTIMIZATION

PROCESS
& UTILITIES



CONTROLS
& AUTOMATION



DESIGN TO OPEXIMISE

PACKAGING
SOLUTIONS



PROJECT
MANAGEMENT



INNOVATIVE THINKING

PRODUCTIVITY
IMPROVEMENT



LINE INTEGRATION

3POINTS: TAILORED MADE APPROACH ORIENTED... TOWARD OPEX OPTIMIZATION



BEST EQUIPMENT
SELECTION



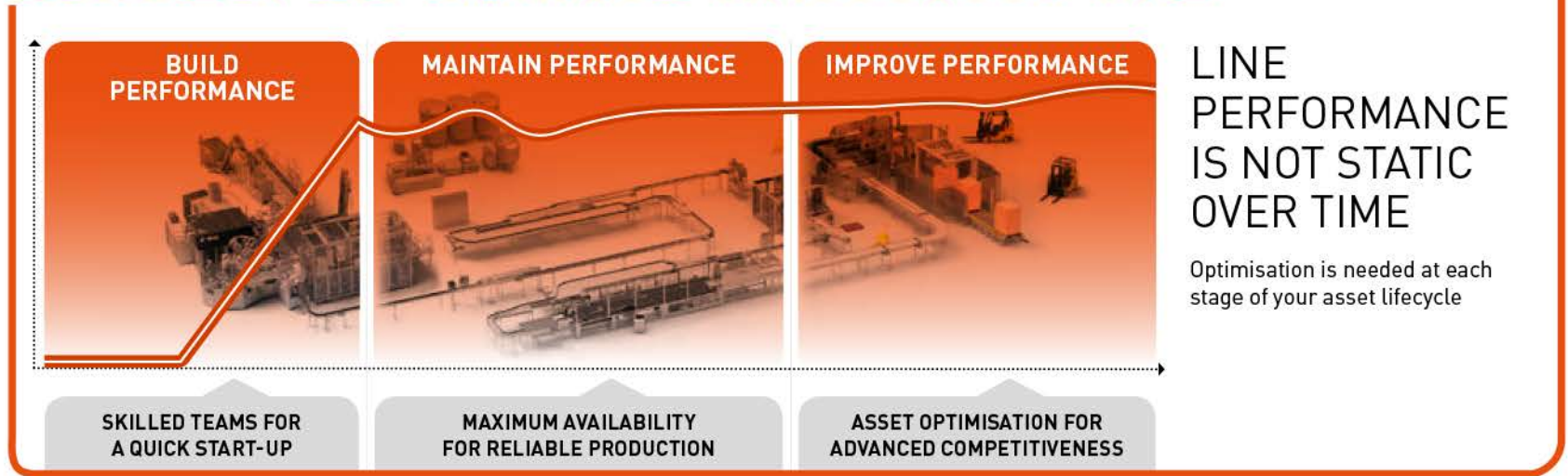
FULL PROJECT
MANAGEMENT



LINE & SYSTEM
DESIGN

CENTRALIZED PROJECT MANAGEMENT..
AND COMMITMENT ON GLOBAL EFFICIENCY

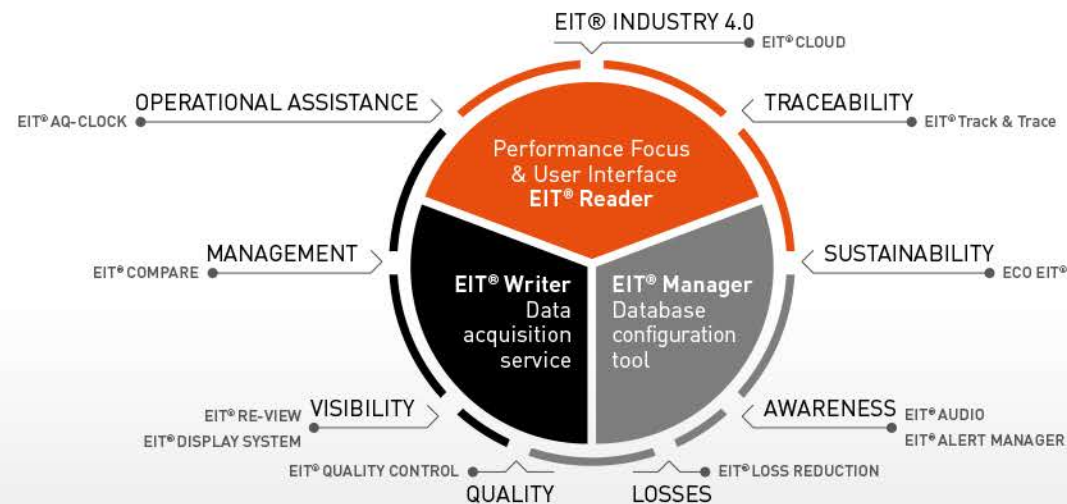
SECURED PERFORMANCE THROUGHOUT TIME



DATA ACQUISITION AND LINE MONITORING

EIT® EFFICIENCY IMPROVEMENT TOOL

Automated & Scalable Information Platform



190917 - The information in this document contains general descriptions of technical options available, which do not always have to be present in each individual case. The required features should therefore be specified in each individual case at the time of closing the contract. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without previous written approval by the Sidel Group. All Sidel Group's intellectual property rights, including copyright, are reserved by the Sidel Group. All other trademarks are the property of their respective owners.