# DELTA ENGINEERING OPEN HOUSE 2023

## LIST OF LIVE MACHINE & LINE DEMOS

### COMPLETE LINES

- **New markets: Tritan glass lookalike bottles, replacing throwaway packaging!**
  - ASB-12M **Nissei ASB** blow moulding machine
  - DSC100 spray coater
  - DC301 milling machine
  - **Intravis** SpotWatcher ®
  - DB100 bagger



- **Complete in-house blow/filling line**
  - ASB-12M **Nissei ASB** blow moulding machine
  - In-house buffer / palletizing / depalletizing line
  - **Capmatic CF-2P filling** machine

- **Production line with in-line top load measurement!**
  - 2LO **1 BLOW** blow moulding machine
  - ETN230_2LO takeout system for 2LO blow moulding machine
  - UDK481 in-line top load tester with leak testing & bottle height measuring
  - DP233 fully automatic palletizer (with flat sheets)
  - DKP200 cardboard tray former

### PLASMA COATING

- DPC123 **plasma coater** running on **20 L containers**
- DPC133 **plasma coater** running on **220 L HDPE drums**
- DPC403 **plasma coater** running on **ketchup bottles**
- DPM103 **manual plasma coater** running on **1 L agrochemical bottles**

### CARDBOARD PALLETS

- DPR050 Manual assembly unit for cardboard pallets
- DFA100 Assembly unit for cardboard pallet feet

## QUALITY CONTROL

- UDK354L On-the-fly pressure decay leak tester with long stroke for testing big volumes at high speeds
- UDK461 High-voltage leak tester for PET containers
- UDK481 All-in-one high-voltage & pressure decay leak tester & in-line top load & bottle height measurement system

## PALLETIZING

- DP200 Semi-automatic palletizer
- DP252 Fully automatic palletizer
- DP253 Flexible, fully automatic palletizer with 2 warehouses, palletizing on flat sheets, trays & hoods, running on 1 L Nissei ASB soap dispenser bottles
- **Fully automatic palletizing line**, palletizing on **flat sheets &** placing **top frame:**
  - VZT253 Collation table (layer former)
  - DP420 Modular linear palletizing unit with vacuum gripper
  - DPP102 Flat sheet & top frame placer
  - DPD250 Pallet dispenser
  - Pallet roller conveying
  - XST100 Strapper

## AGV

- **Mabo AGV systems** – live demo: **stacking of palletized pallets**

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## CONVEYING

- Vacuum bottle conveying systems – possibilities, needs

## TAKEOUT SYSTEMS

- ETN210_150DP New takeout system for ASB-150DP blow moulding machine
- ETN210_70DPW New takeout system for ASB-70DPW blow moulding machine

- ETN230_2LO Takeout system for 1 BLOW 2LO blow moulding machine

## TUMBLE PACKING PREFORMS

- DSB500 Soft-drop unit tumble packing preforms, protecting the preforms while they are falling into the boxes to avoid scratches

## THERMOFORMING SOLUTIONS

- DBL302 Thermoforming buffer belt & height adjustment system, bringing thermoformed products down to operator height
- DVB122 Thermoforming vertical buffer system – Save on labour, easy changeover
- DMD300 In-line metal detector