

Innovative Automation Solutions
for Food Manufacturing:
Enhancing Efficiency and Quality

technica™

 GENERIS

Continuous Innovation...

European Food Manufacturing Summit

12 June 2025

Technica Group

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“I have a dream...”

What started as a young engineer’s dream has grown into a global company.

Born from our founder’s dream to create **Innovative Automation Solutions** and supply them to the world.



Founder

Tony Haddad

BE Electrical engineer: 1975 AUB | MBA: 1982 AUB

Chairman of Technica Group: 1982 till present

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Technica Across the World

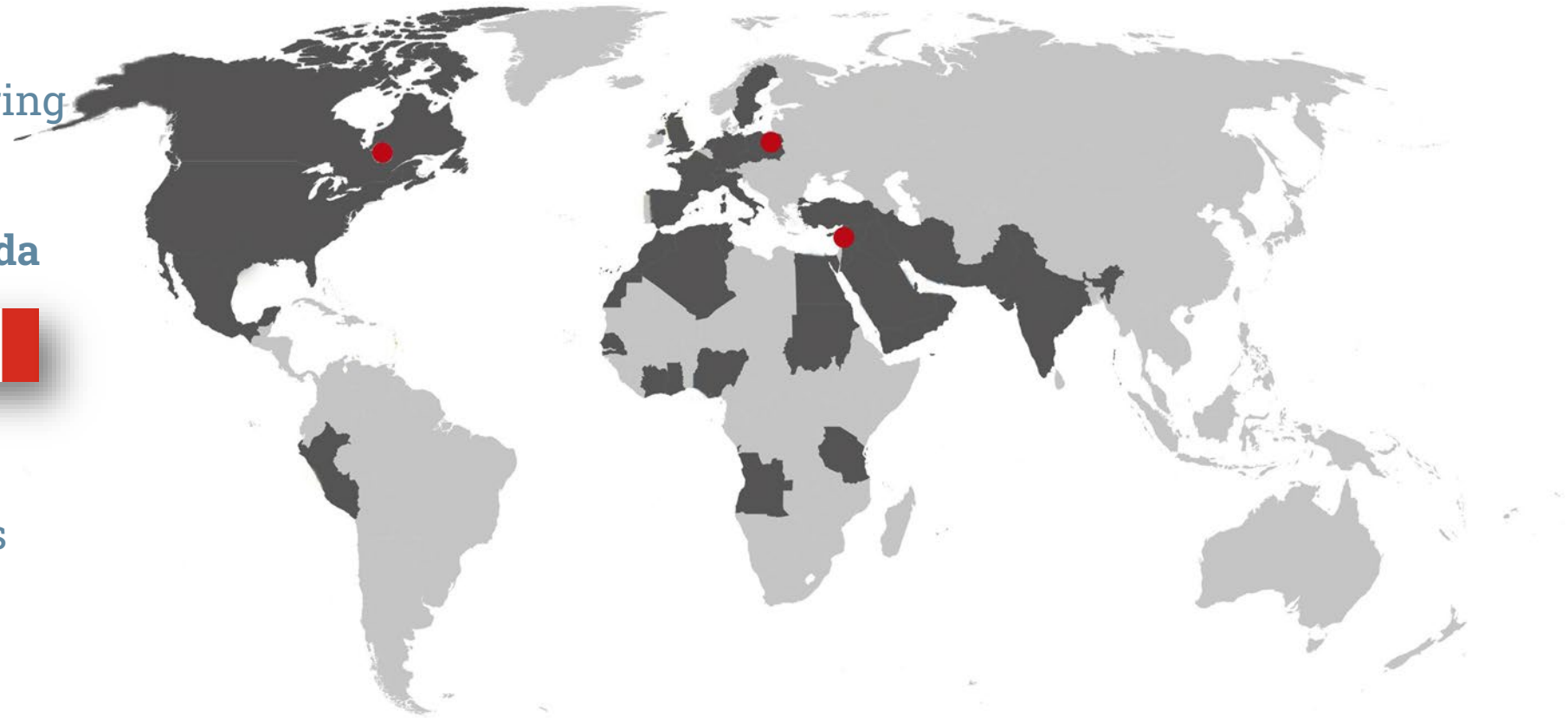
● Offices and Manufacturing
Facilities:

Lebanon, Poland, Canada



● Projects in 44 Countries

Asia: 16
Africa: 12
Europe: 12
America: 4




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Mission Statement

Technica provides **Innovative, Customized, High Quality Automation Solutions & Turnkey Lines**, designed to satisfy the product handling needs of our customers, to improve their operation efficiency and to increase their production capacity at optimized costs.



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Multinational References

Home & personal care	Food & beverage	Dairy	Confectionery
  	     	    	
<p>Algeria Nigeria Tunisia Egypt KSA</p> <p>Poland Spain Belgium Mexico Morocco India Pakistan Egypt KSA Czech Republic</p> <p>Netherlands Ghana Nigeria KSA Lebanon</p>	<p>Peru</p> <p>Bahrain Egypt Iraq Jordan KSA Kuwait Lebanon Qatar UAE</p> <p>Germany Switzerland Canada Poland</p> <p>Egypt Jordan KSA Lebanon UAE</p> <p>Egypt Jordan Iraq KSA Lebanon</p> <p>USA</p>	<p>Bahrain KSA</p> <p>Algeria</p> <p>KSA</p> <p>Italy</p> <p>Ivory Coast</p>	<p>Egypt KSA</p>

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Culture

Just like families, companies need a soul – **a shared culture and core values** – to grow and thrive.

At Technica, we've built our own.

ITASC:

Innovation

Touching lives

Accountability

Servant Leadership

Customer centricity



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Assembly & Testing, Lebanon – Poland – Canada



Area 6000 m²



Area 3600 m²



Area 200 m²

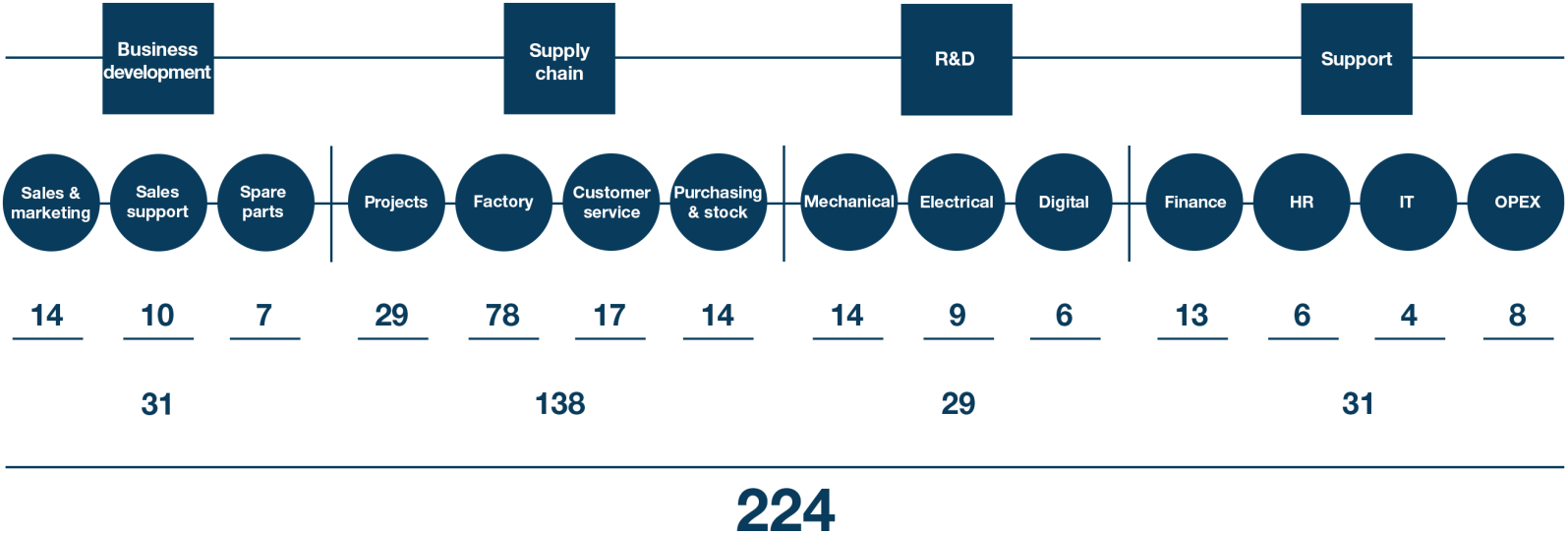


Electrical Workshop
Meets UL and CE requirements
Plant certified for UL and CE

Technica Group



Resources



Workforce distribution:



Safe Work Environment
Competency-based HR policies

Gender Equality
23% of our leadership is women

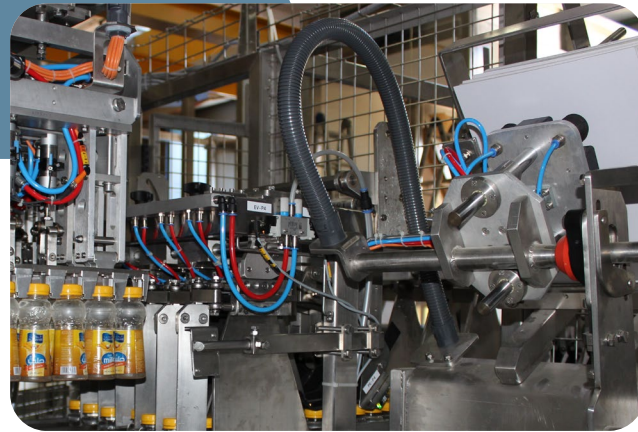


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Solutions

Single
Equipment



Innovative
Solutions



Integrated
Lines

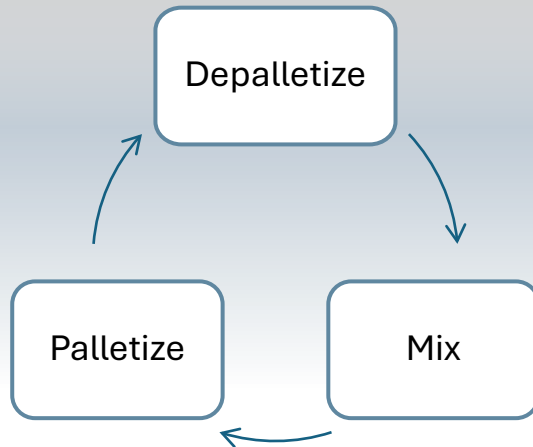


Digital
Solutions



Solutions For Multinationals

Tray Mixing – Germany



Tray Mixing – 2 Flavors Cans

Open Space Application

Yaskawa COBOT

8 Trays/min

Payback period < 2years

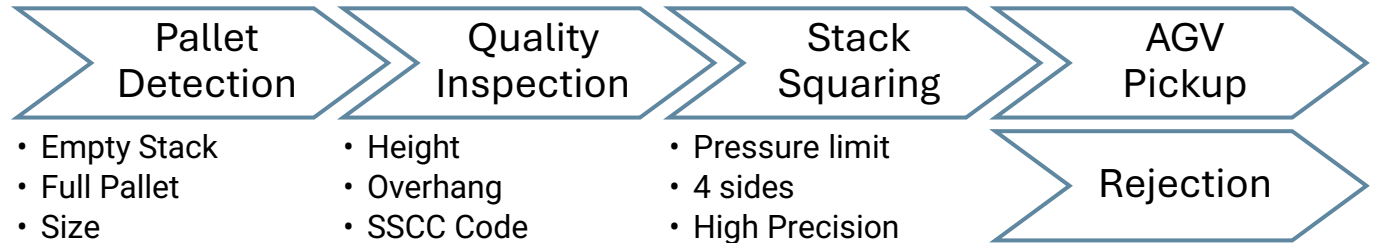
Solutions For Multinationals



Pallet Management System – Poland



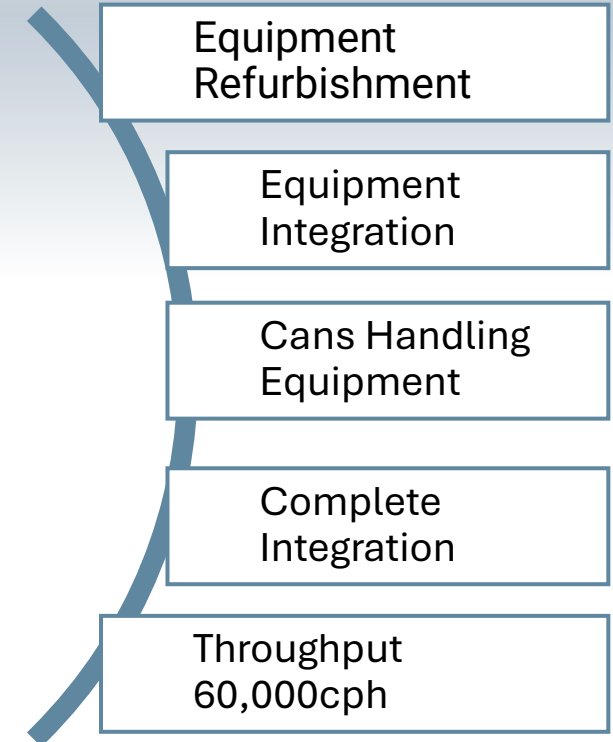
Pallet Stack Squaring



Solutions For Multinationals



PET Food, Can Line – Poland



Solutions For Multinationals

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Confectionary Packaging – Egypt

77 packs/min

Quality Inspection

Soft Handling

Payback \approx < 2 years

Solutions For Multinationals

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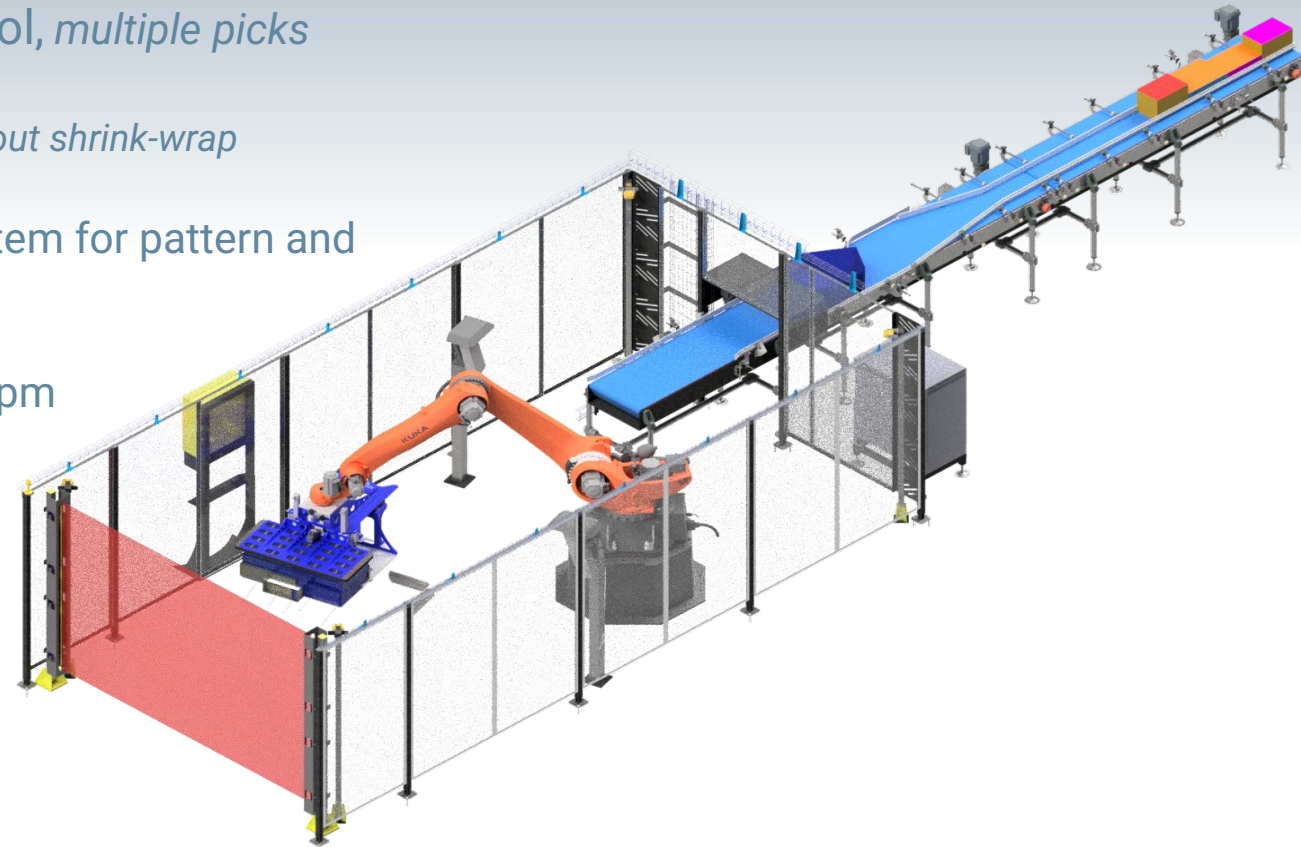
Smart Depalletizer - USA

Universal picking tool, *multiple picks*

Open Trays *with or without shrink-wrap*

AI powered vision system for pattern and pick definition

Throughput up to 12 ppm



Solutions For Multinationals

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Film Removal – **USA**

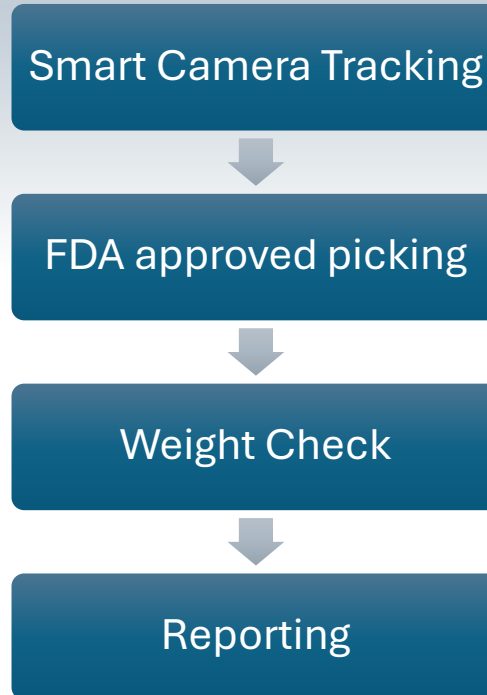
Film Cutting & Removal

Automatic Cutting & Removal
Throughput up to 20 ppm

Solutions For Multinationals



COBOT Biscuits Quality Check – **Bahrain**



Solutions For Multinationals



Carton Opener – **Netherlands**

No Blades

No Damage

No Contamination

Laser Beam Cutting

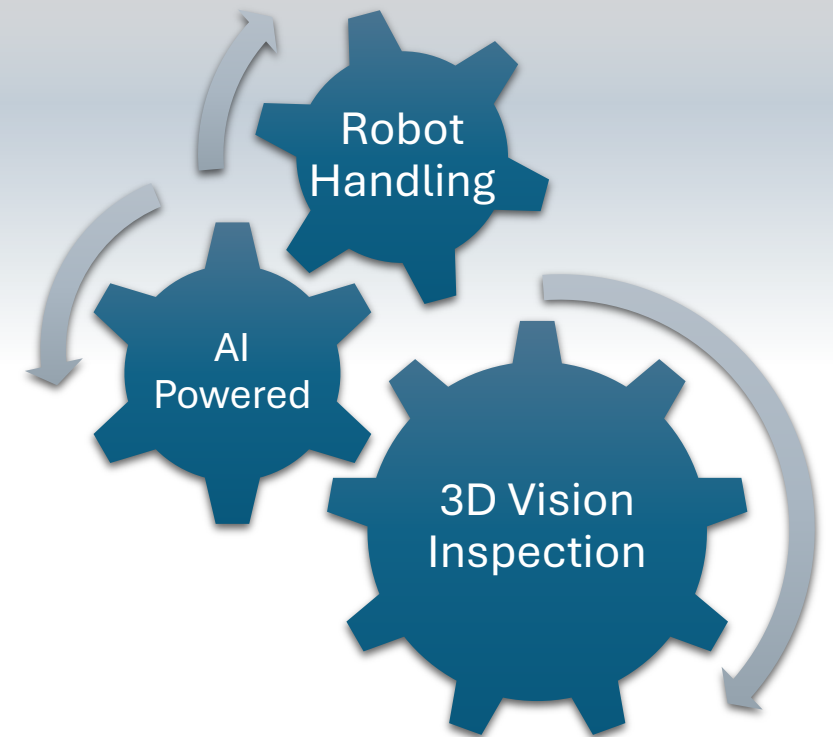
Throughput
11 ppm

Auto adjustment for
multiple SKUs
simultaneously

Solutions For Multinationals

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Pallet Inspection & Segregation – **USA**, 3 sites



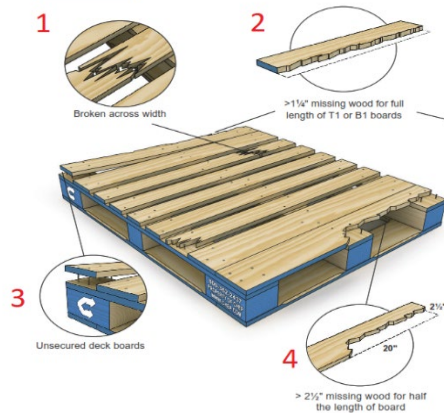
Automatic segregation of different pallets types & colors
15 Pallets/min /Robot

Florida, Massachusetts & New Jersey

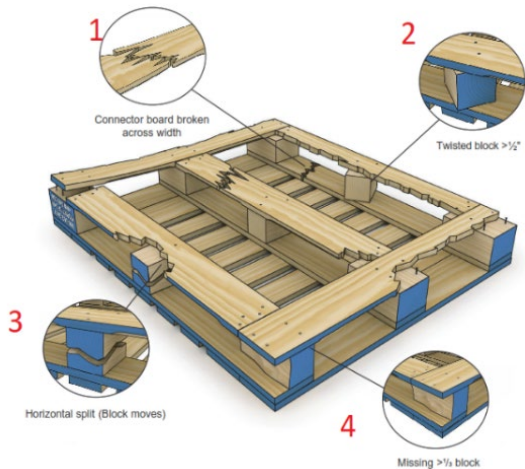
Solutions For Multinationals

Pallet Inspection – Mexico, integration for ABB

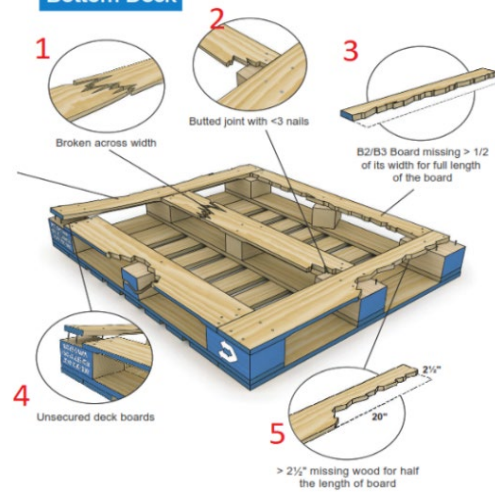
Top Deck



Blocks/Connector Boards



Bottom Deck



Conventional Pallet Quality Inspection
Throughput: **240 Pallets/h**

Mechanical or Vision inspection

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Compact Palletizer

Compact Palletizer

- Dual Pallet stations for nonstop operation
- Minimal footprint / cell
- Vacuum Gripping
- Enhanced Safety

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Mixed Pallet Solution by layer – **Jordan**

Mixed Pallet Solution

- Layer Mixing, up to 5 different SKUs / Mix
- Vacuum + Gripping technology
- Automatic Management of multiple SKUs and Pallet combinations

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Packing Solutions

Pick & Place Packer

- Modular design, customized per product
- Minimal footprint
- Pattern formation

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EOL Automation – Tunisia



From Bottle to Warehouse

- 24000 bpm
- 20 pallet/h
- Multiple SKUs
- AGV Collection and storage

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Flexible Bags Packer – KSA

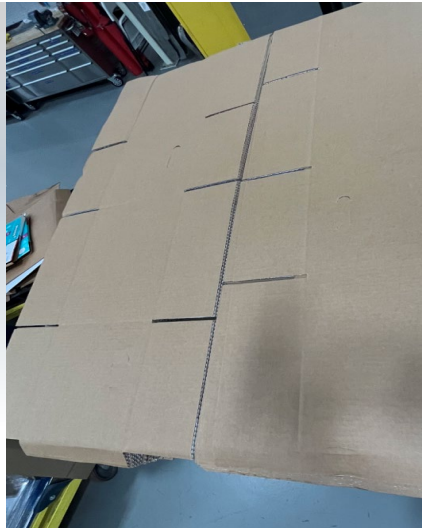
Drop Type Packer

- Multiple Infeed
- Quality inspection with automatic rejection
- Pattern formation packing
- Automatic Change over
- Multiple SKUs

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Robotic Corrugate loader - USA



Robotic Corrugate Loader

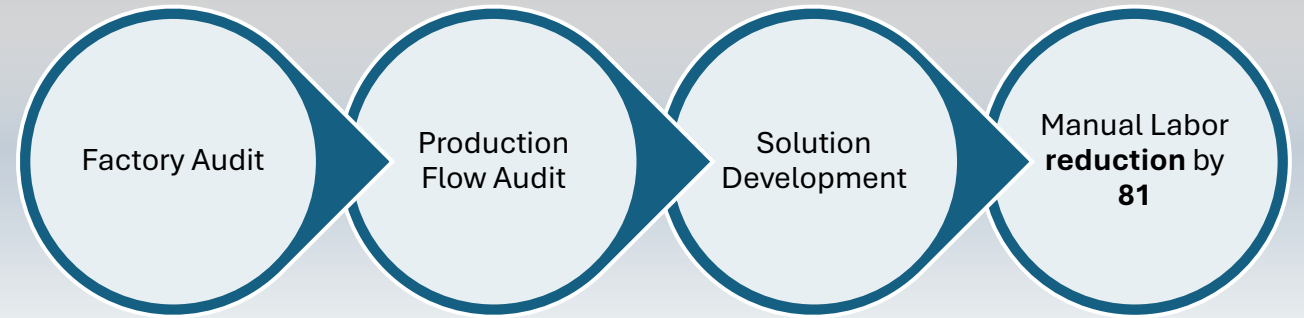
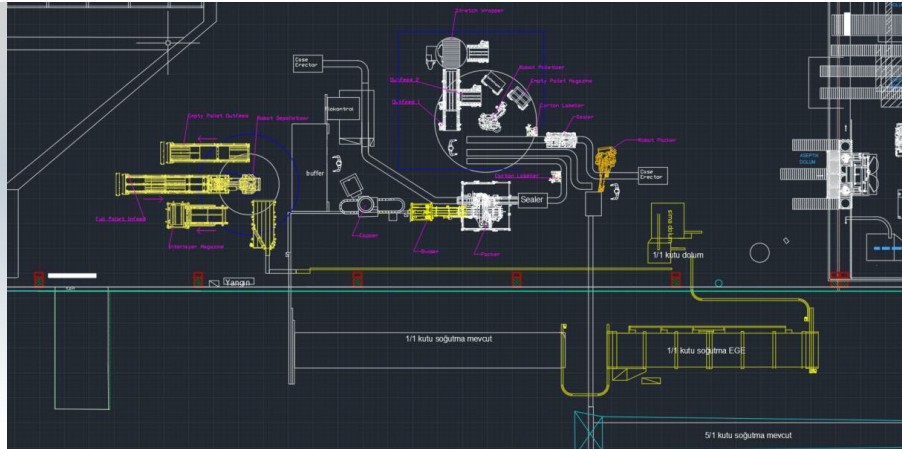
- Using vision system to detect the corrugates
- Integrating quality inspection system
- 5 picks/min
- Handles flat blanks & bundles
- Automatic cutting of the strap

To be installed in Missouri (September)

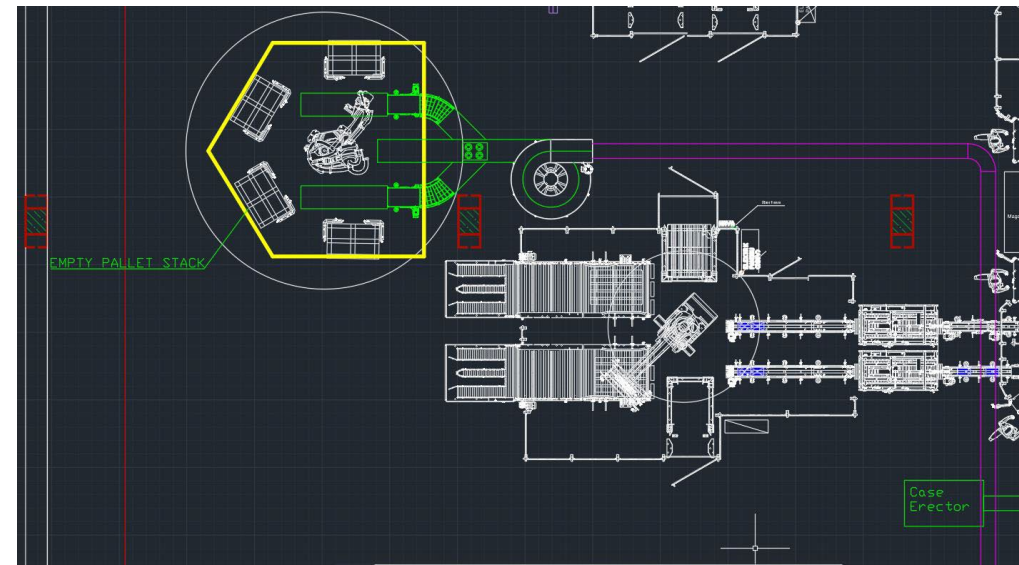
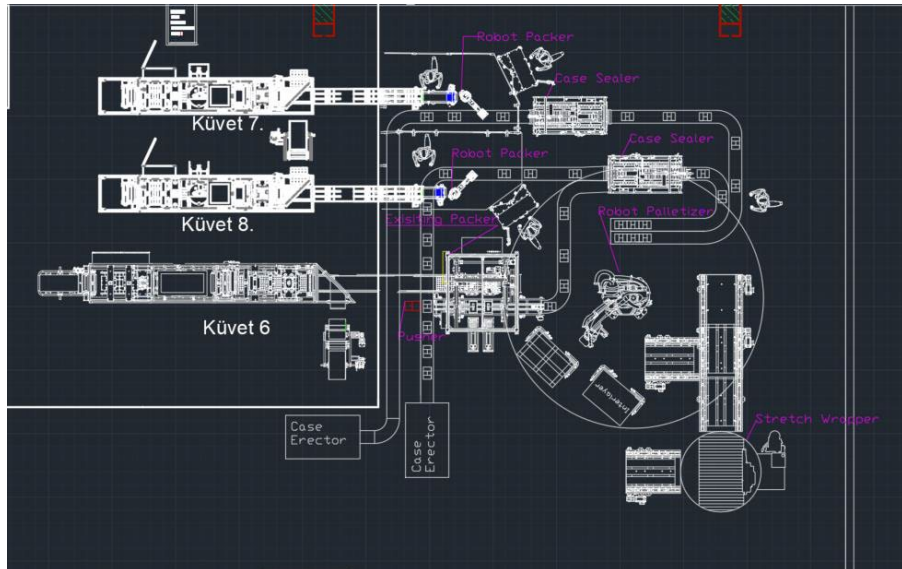
Solutions For Multinationals



Technical Consultancy – Egypt, Turkey



1 Multinational, 2 Countries, 3 Factories



Solutions For Multinationals

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innovative
Truck
Loading/ Unloading
Solution

Load/unload loose packs
Fully Autonomous

Throughput:
up to 240 full rows/h

Technica Innovation

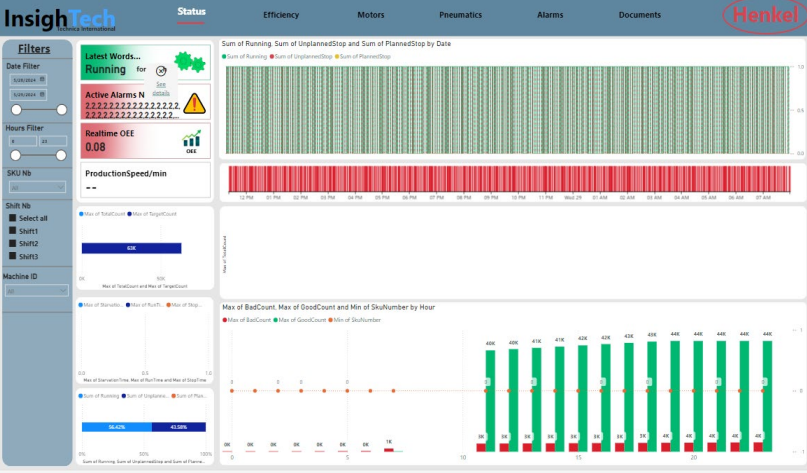


Digital Solutions, IIOT, InsightTech™



Analytics and Expert Analysis

- Insights on energy usage
- Expert analysis.
- Drives predictive and prescriptive decisions
- Ensures optimal performance



Remote Maintenance & Condition Monitoring:

- Real-time remote monitoring.
- Enhances equipment reliability
- Reduces downtime



Preventive Maintenance Scheduling

- Integrated calendar tools
- Ensures timely interventions
- Extends asset life and improves efficiency

Technica Innovation



Digital Solutions, Track & Trace, InsignTrack™

Route R893716 Approved
Customer C311383 Collect

- C311383 Buford Schmidt 3 / 1
- C638929 Garry Rowe 3 / 0
- C915050 Hosea Trantow 3 / 0
- C657153 Graciela Boehm 1 / 0

Pallets 8

- 563522 Kyle Braun Approved Route
- 917849 Kyle Braun Pending Route
- 694522 Kyle Braun Rejected Route
- 649418 Kyle Braun Rejected Route
- 516165 Kyle Braun Pending Route
- 846325 Kyle Braun Approved Route
- 217417 Kyle Braun Approved Route
- 169889 Kyle Braun Approved Route

Customer C311383 Transferring

Transferred: 2
Collected: 1

- 341583 Collected
- 563522 Transferred
- 217417 Transferred
- 712513

Pallet Tracker Transactions

Search: _____ Iter: From: 01/01/2020 To: 07/06/2022

Time	Type	Barcode	RFID	Last	Current	Operator/Salesman	Supervisor	Manager
2022-04-06 09:41:46	Transfer	12790000000C	12790000000C	DP04	D101377	D12345	E0966	EO015
2022-04-06 09:41:46	Collect	12790000000C	12790000000C	D101377	DP04	D12345	E0966	EO015
2022-04-06 09:40:46	Transfer	10002265	10002265	DP04	D101122	D12345	E0966	EO015
2022-04-06 09:40:46	Collect	12790000000C	12790000000C	D101122	DP04	D12345	E0966	EO015
2022-04-06 09:40:46	Collect	12790000000C	12790000000C	D101122	DP04	D12345	E0966	EO015
2022-04-06 09:39:33	Approval	12790000000C	12790000000C			D12345	E0966	EO015
2022-04-06 09:39:19	Load	MC782929	MC782929	MD02	DP04	O12345	E0966	EO015
2022-04-06 09:39:19	Load	MC782928	MC782928	MD02	DP04	O12345	E0966	EO015
2022-04-06 09:38:47	Approval	12790000000C	12790000000C			D12345	E0966	EO015
2022-04-06 09:38:28	Load	12790000000C	12790000000C	MD02	DP04	O12345	E0966	EO015
2022-04-06 09:38:28	Load	10002265	10002265	MD02	DP04	O12345	E0966	EO015

272 out of 272

Export ALL Export CURRENT

Select Customer Select Pallet Confirm

Real Time Tracking

- RFID
- Barcodes
- Supply Chain Visibility



Automated Data Collection

- Reduce Errors
- High efficiency in asset management



Enhanced Asset Utilization

- Optimize usage
- Reduce Losses

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Digital Solutions, Remote Support, Techconnect™



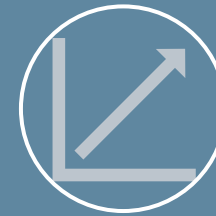
Secure Remote Connectivity

- Robust, secure remote access to systems and devices



Effortless Setup

- Designed for simplicity, reducing complexity and technical barriers



Reliable Performance

- Consistent, reliable access
- Real-time monitoring and control
- From all over the world

Innovative Automation Solutions



VIRTUAL
TOUR



CORPORATE
PRESENTATION

technica™

