

Advanced Packaging Systems & Automated Solutions

Packsize first solution overview

Packsize GmbH

2023

 **PACKSIZE®**

Packsizes & Right-sizing

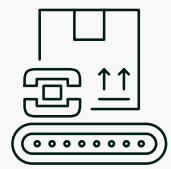


At a Glance

About Packsize



Global Multinational tech company delivering **Right-sized Packaging on Demand**® systems, software, and automated workflow solutions



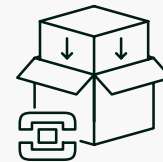
2500+
Unique Solutions
Supported Worldwide



100+
Engineers Serving
Customers Globally



**Smarter Packaging
for a Healthy Planet**®



~760M
Right-sized Boxes
in 2021



~1.28B lbs.
Saved CO₂ Emissions
since 2013



Right-sized Packaging On Demand[®] Comparison

Same products, same number of packages

Industry-standard Packaging

Manual Processing

Labor/Cost Intensive

Throughput Limitations



Right-sized Packaging On Demand[®]

Need Based Right-sized Automation

Major Labor/Cost Reductions

Capacity Matches Requirements

VS.



When do you need Packsize?



Packsize Solves Common Packaging Issues

When do you need Packsize?



Excessive Plastic Packaging



Bottlenecks in Packaging Process



Damages During Transit



Excessive Box Storage



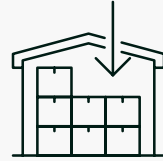
Oversized Boxes

Why Companies Choose Packsize

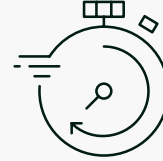
When do you need Packsize?

Competitive Advantage

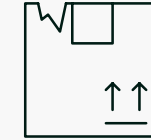
Flexibility & Agility



Minimize Inventories



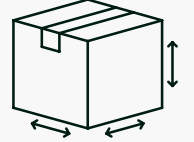
Increase Packaging Speed



Minimize Damages



Improve Customer Satisfaction



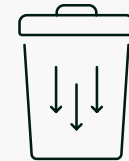
Optimize Space

Customer Satisfaction

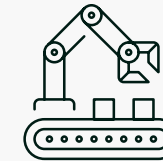
Gains & Efficiencies



Ramp Sustainability



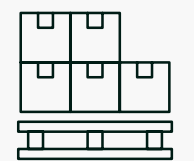
Decrease Waste



On Demand Production (JIT)



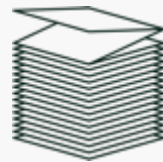
Improve Packaging



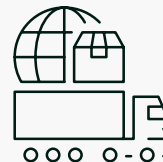
Reduce Box Management

Risk Reduction

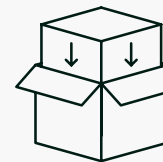
PaaS Impact



Less Corrugated



Shipping Savings



Reduce Void Fill



Reduce Infrastructure



Fewer FTEs Required

Sustainability

Sustainability Benefits

Packsize Sustainability

- Because **corrugated can be recycled up to 12 times**, sustainability efforts save on material costs and cause a ripple effect across your supply chain
- Achieve a range of benefits:
 - Lower material use and handling
 - Storage, handling, and transportation efficiencies
 - Fewer damages caused by over-sized packages
 - Lower your overall carbon footprint
 - Eliminate plastic use and excessive packaging



Combined, Packsized customers have saved more than **1.28+ billion lbs. of CO₂ emissions** since 2013

How Packsize Helps

Packsize Sustainability

- Carbon & Energy

- Packsize can cut down on carbon emission by fitting more into a truck and using less trees

- Waste

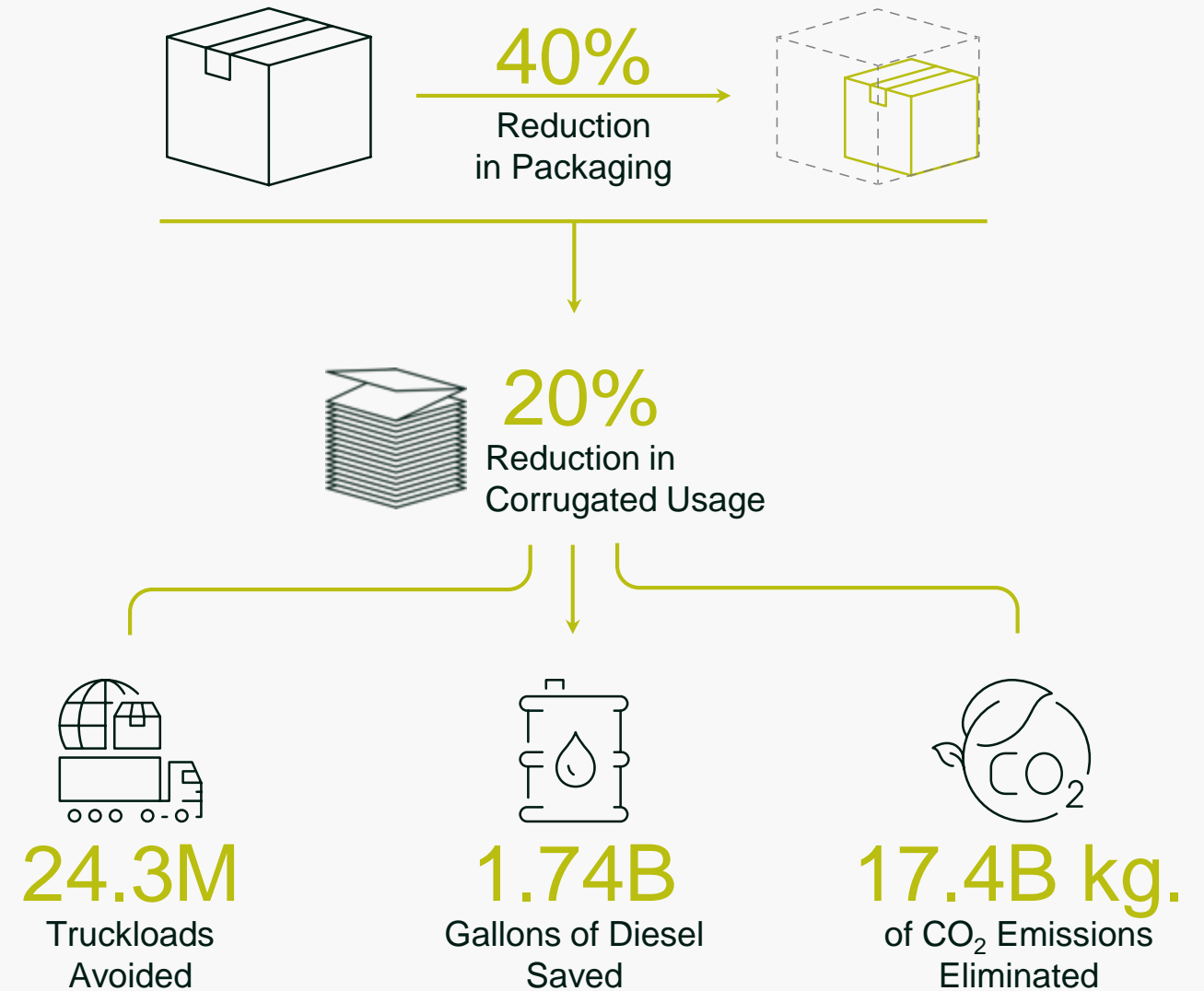
- On Demand Packaging[®] systems use less corrugated than typical packaging designs

- Impacts all 8 forms of waste:

- Overproduction
- Defects
- Waiting
- Non-utilized talent
- Motion
- Extra/over processing
- Transportation and inventory

- Reduces single-use plastics' impact on the environment

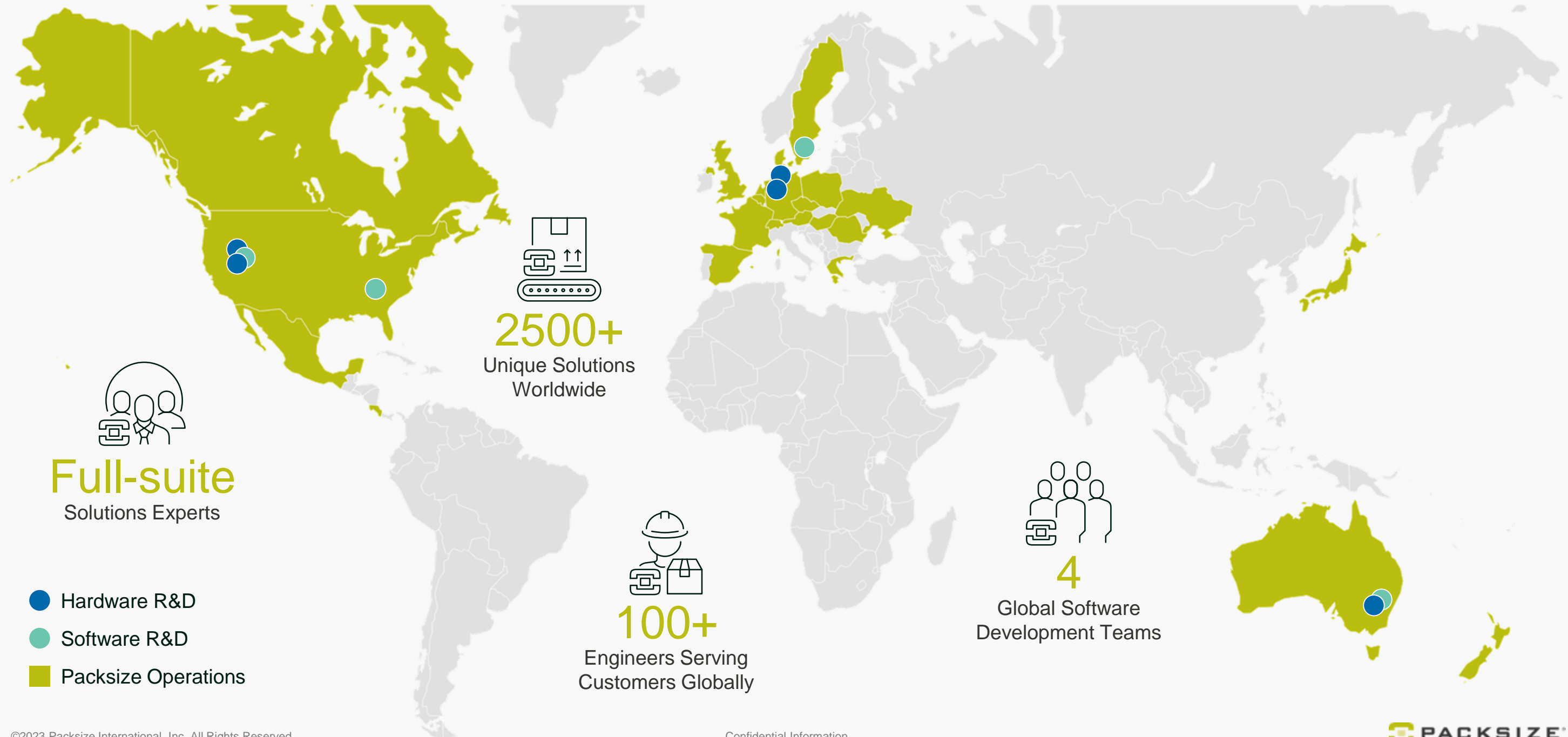
Packsize Right-sizing Advantages



Operational Capabilities & Packsize Care™

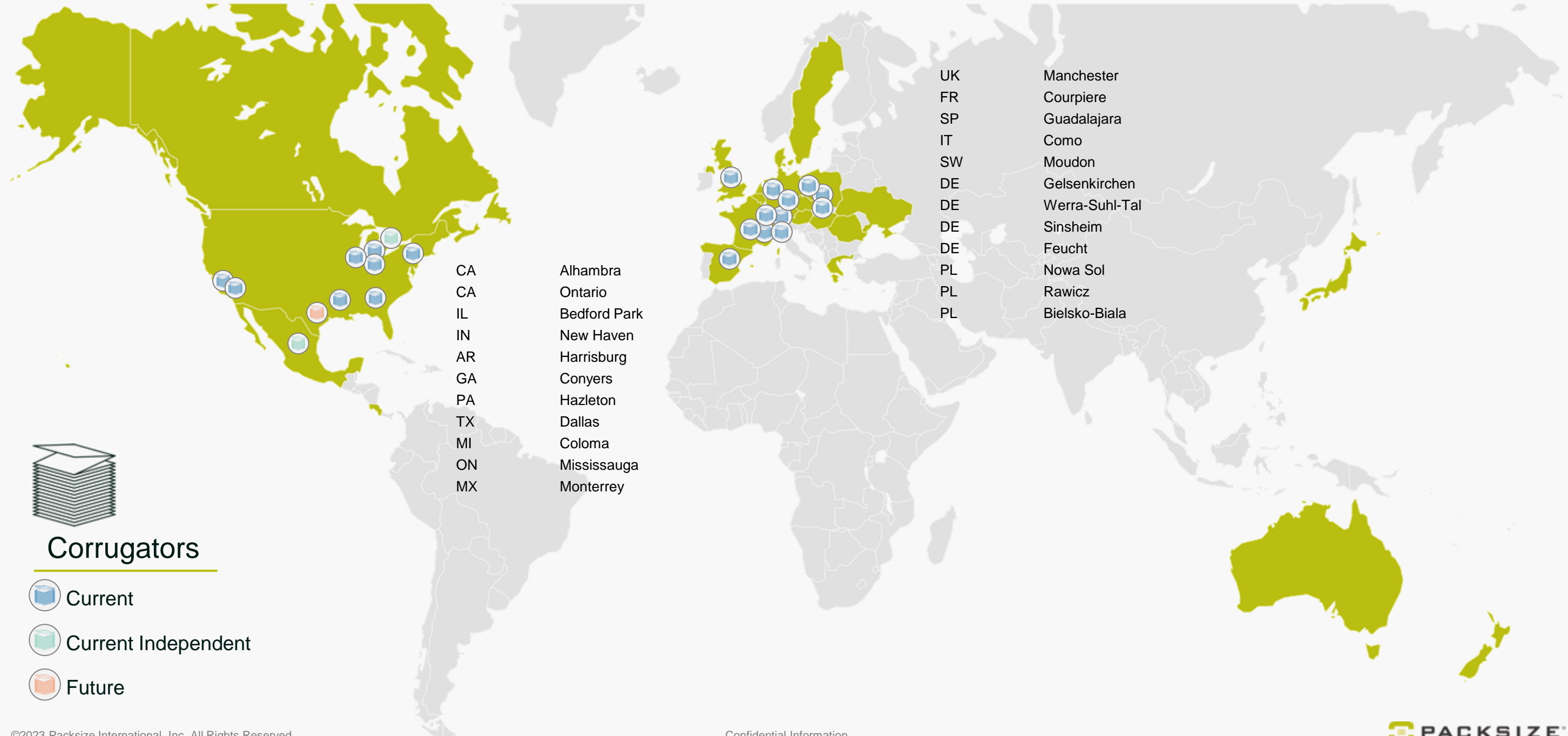
R&D Development Capability

Operational Capabilities and Packsize Care™



Corrugated Supply Chain Capability

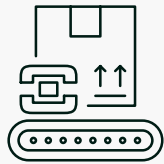
Operational Capabilities and Packsize Care™



Packsize Operations

Packsize Care™

Packsize Care™ ensures every Packsize system is backed with an engineered program of preventative maintenance and technical support to keep our customers operating at peak efficiency.



2500+

Unique Solutions
Supported Globally



100+

Engineers Serving
Customers Globally



99.6%

Customer Machine
Uptime



24/7

Technical Support
93.6% Remote
Resolution Rate



Teams

Comprehensive
Customer Service
& Supply Chain
Teams



99%+

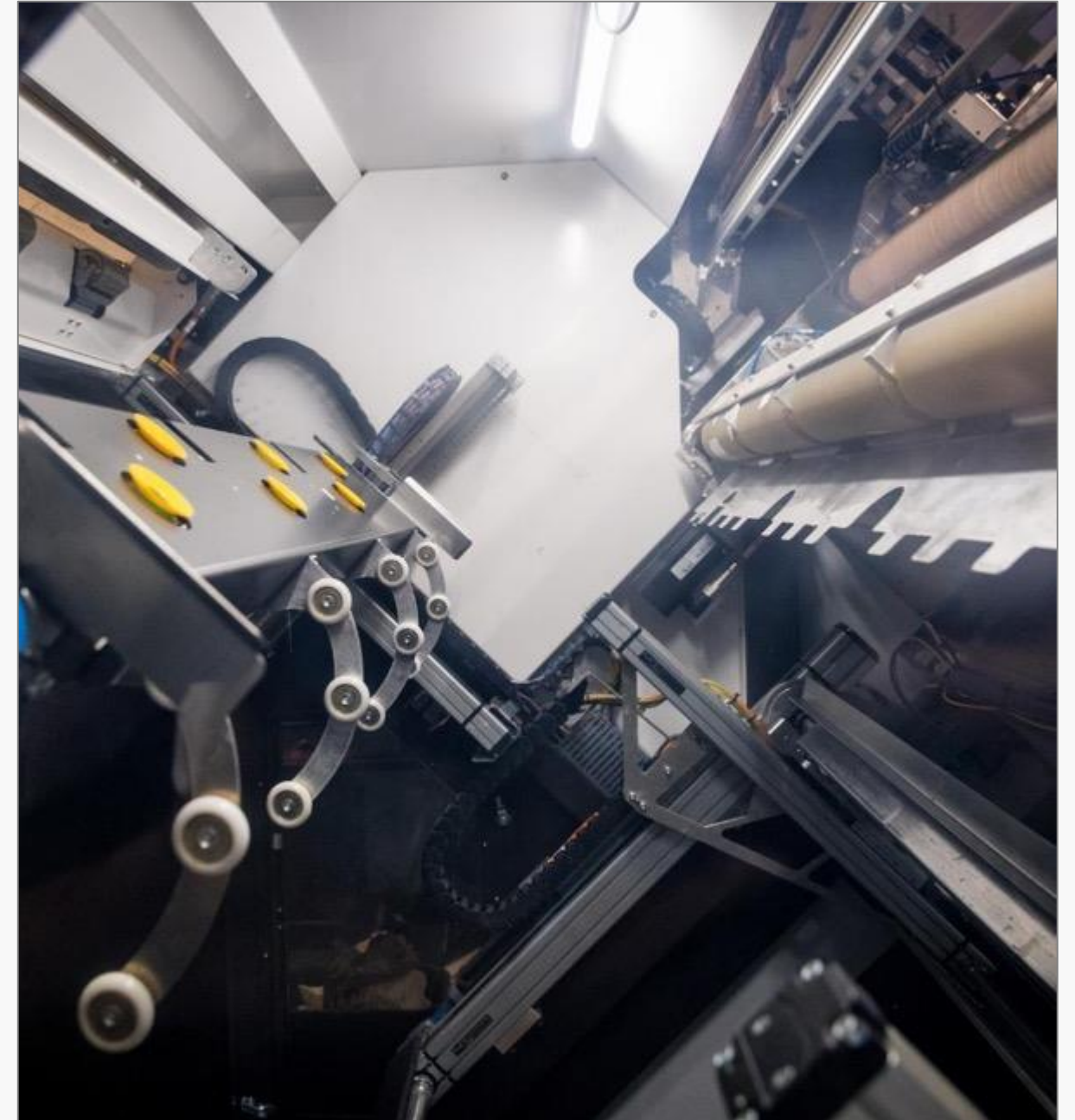
On-time Supply
Chain Execution



Machine Support

Packsize Care™

- Technical Support
 - Video Library with basic machine care
 - Skilled hotline team helps solve most problems over the phone
 - **93.6% of cases** are solved via the phone
- Engineering Support
 - Packsize Engineers are available across Europe if on-site assistance is necessary
- Packaging Design
 - Box design and testing available for your different box needs
- Personalized Service
 - You decide the level of service you need
 - Technician and responses are based on your selected program



Packsize Care Logistics

Packsize Care™






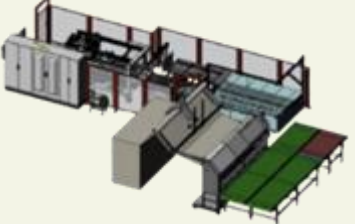
- z-Fold Supply
 - Packsize Corrugated Plants generate millions of square meters of corrugated z-fold, making sure that there will never be a shortage
 - Packsize Corrugated Plants are strategically placed so we can always get z-Fold delivered in a timely manner
- Machine Support
 - With Packsize Care, your machine is also equipped with a few spare parts, allowing us to ensure a quick turn around on all support calls
- Delivery
 - We have a **99% on-time delivery** with an average 10-day lead time



Packaging Flow & Automation



Automation Portfolio

						
	M Series: EM7	iQ Series: iQ3	X Series: X4	X Series: X5	X Series: X7	Semi-automated Packaging for large products
CATEGORY	NON-CONVEYABLES	SHIP-FROM-STORE	SEMI-AUTOMATION	ERECTED BOX SYSTEM	IN-LINE PACKAGING & FULFILLMENT	CUSTOM
AUTOMATION	SOME AUTOMATION	SOME AUTOMATION	AUTOMATION	FULL AUTOMATION	ADVANCED AUTOMATION	CUSTOM AUTOMATION
SPEED	2–4 BOXES PER MINUTE	2–4 BOXES PER MINUTE	5 BOXES PER MINUTE	10 BOXES PER MINUTE	17 BOXES PER MINUTE	3–10 BOXES PER MINUTE
SOFTWARE	PackNet® —Packsize Software Platform					
SERVICES	Packaging as a Service™ & Packsize Care™					

M Series EM7

Automation Portfolio

Type	Non-Conveyables
Automation	Some Automation
Speed	2–4 boxes/minute
Software	PackNet® — Packsize Software Platform
Services	Packaging as a Service™ Packsize Care™

Productivity — make right-sized boxes in seconds and free up your workspace by using bales of z-fold corrugated material instead of stock-boxes



Made On Demand

Gold Standard
Reliability

Extreme Versatility — Make nearly any box design*

Footprint — the EM7 comes in different widths (2.5, 3.5 and 5 meters wide)

*The EM7 can make any FEFCO box design except those with angles or curves.

IQ Series: IQ3

Automation Portfolio

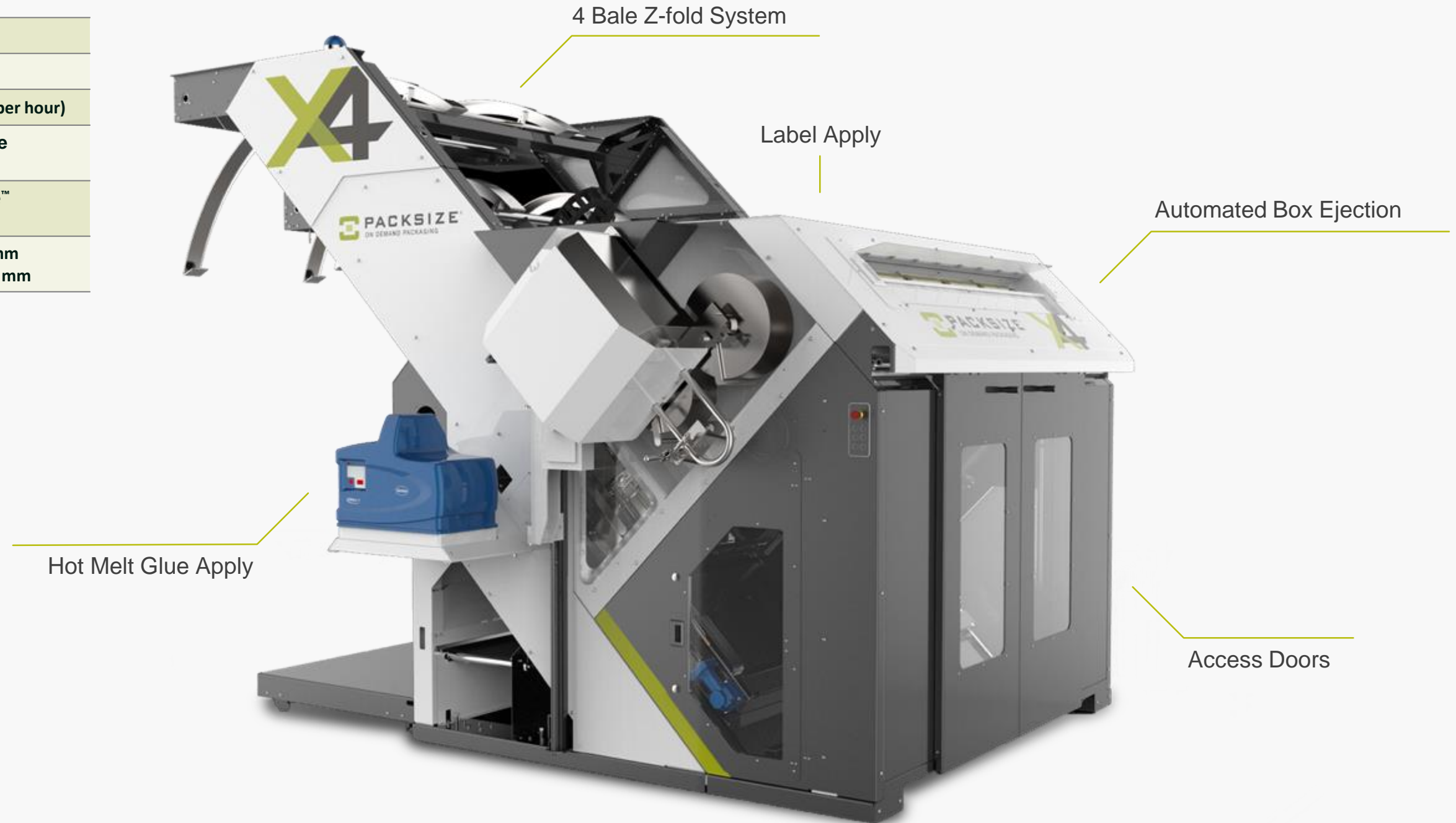
Type	Ship-From-Store
Automation	Some Automation
Speed	2-4 boxes/minute
Software	PackNet® — Packsize Software Platform
Services	Packaging as a Service™ Packsize Care™



X Series: X4

Automation Portfolio

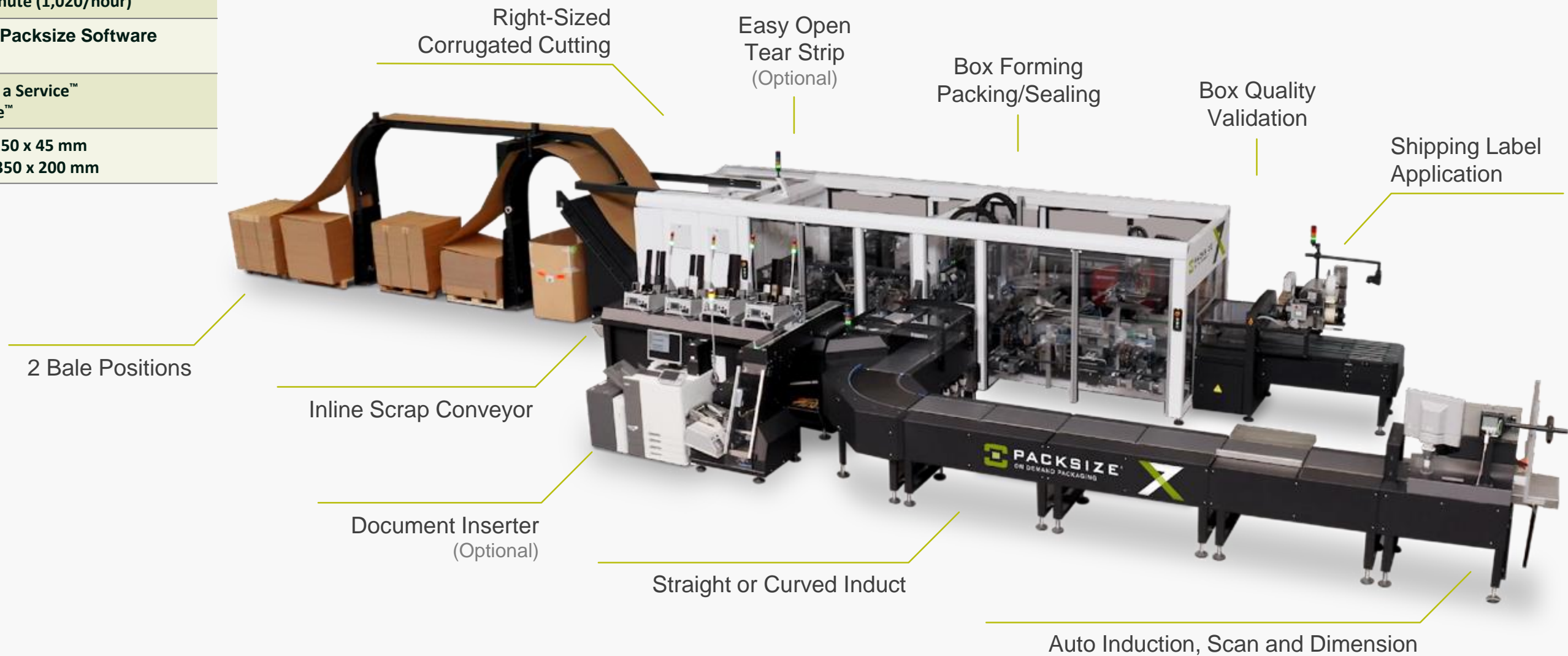
Type	Semi-Automation
Automation	Automation
Speed	5 boxes/minute (300 per hour)
Software	PackNet® — Packsize Software Platform
Services	Packaging as a Service™ Packsize Care™
Box Capacity (inside)	Min - 150 x 150 x 50 mm Max - 762 x 508 x 508 mm



X Series: X7

Automation Portfolio

Type	In-Line Packing/Fulfillment
Automation	Advanced Automation
Speed	17 boxes/minute (1,020/hour)
Software	PackNet® — Packsize Software Platform
Services	Packaging as a Service™ Packsize Care™
Box Capacity (inside)	Min - 300 x 150 x 45 mm Max - 600 x 350 x 200 mm



Packaging — Product — Flow

Packaging Flow and Automation



Systems & Accessories

- Packsize Systems
- Packsize Gluers
- Packaging Designs
- Protective Packaging
- Scanners, Printers, Dimensioners
- Conveyors, Sealers, Tapers
- z-Fold®



Process & Workflow

- Customer Products
- Customer Processes
- System Footprint
- Selection Algorithm
- Training
- Operations
- Custom Workflows



Software & Solutions

- Packsize Software Platform
- Cart Optimization Software
- PackNet®
- PackNet.DIM®
- PackNet.Cube®
- PackNet.Report®
- Customer WMS / ERP
- Data Integration

Packaging as a Service (PaaS)



Packaging as a Service (PaaS)

Packsize Business Model

A Packaging Subscription Model to Fit Your Business Needs

- A full-service subscription designed to optimize your entire workflow and packaging environment
- The variable cost model means you only pay for what you use

Includes:

- Seamless Technology Transitions
- Advanced & Automated Packaging Systems
- Integrated Software
- Competitive Corrugated Pricing
- Packsize Care™ (maintenance & support services program)

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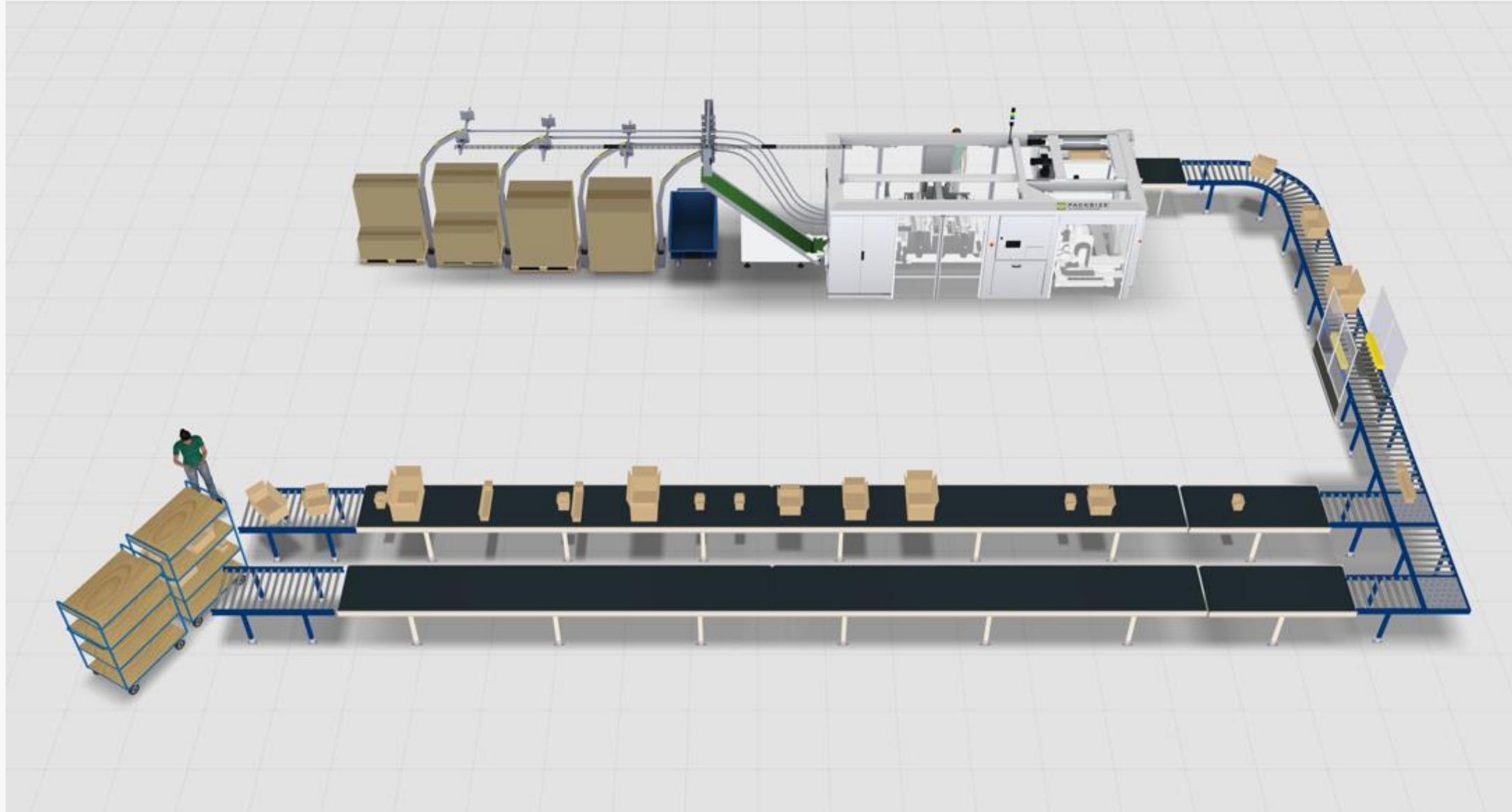
PACKSIZE
ON DEMAND PACKAGING

X5 example process layouts

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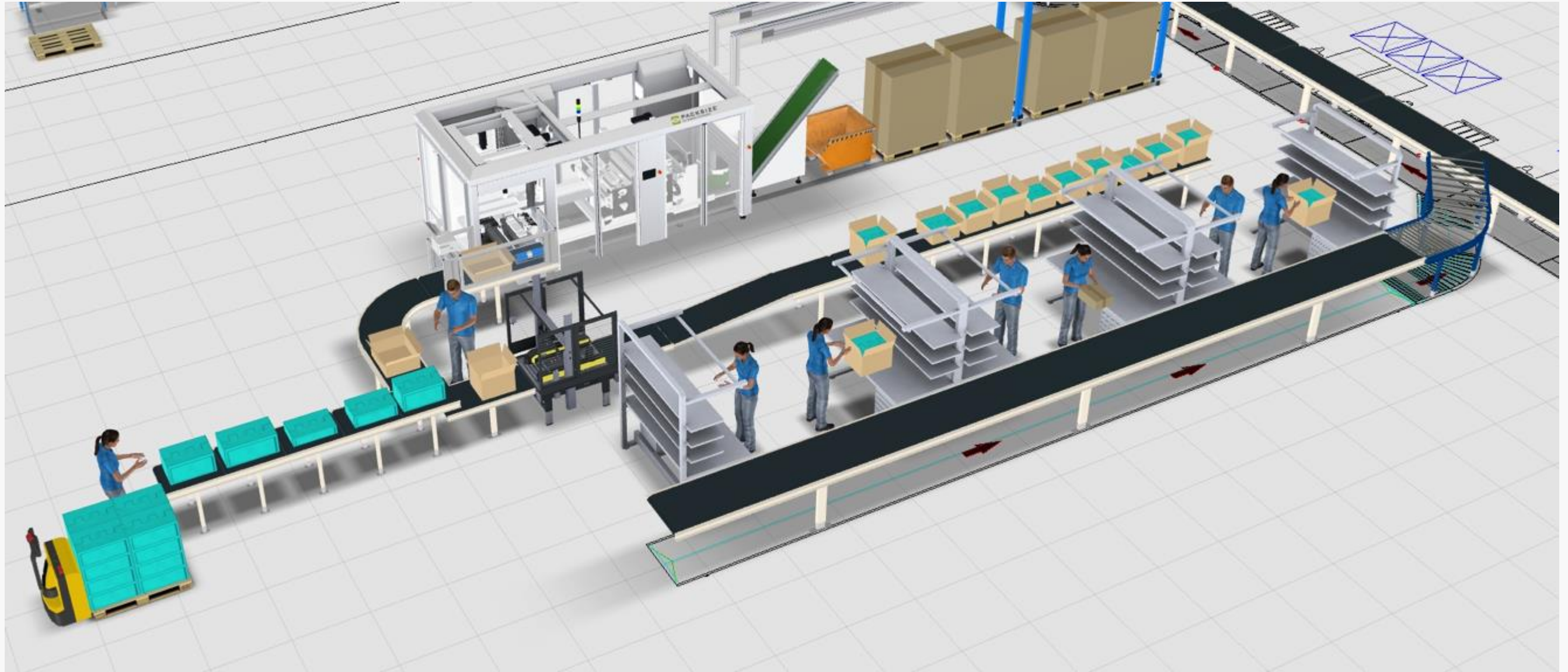
X5 example process flow

Box First pick to cart / robot with CUBING data integration



X5 example process flow

Box Last with CUBING data integration



Next Steps

Next Steps

Packsize Engagement

- Data exchange (Packsize will share templates)
- On site meeting
- Business Case creation
- Process analysis and solution design





 **PACKSIZE**®