

SOLUTIONS PORTFOLIO





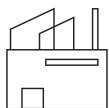
DECADES OF INNOVATION AND TECHNOLOGY



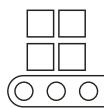
Our large testing area ensures that each piece of equipment is delivered tested and ready to operate, minimizing installation time and ensuring efficiency from the start.



With our highly qualified Engineering team, we provide customized and innovative solutions for the most complex challenges, boosting your productivity and market competitiveness.



More than **300 major industries** served.



More than **1,500 industrial lines** delivered.



Global Presence

TORFRESMA



TORFRESMA AROUND THE WORLD



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AFTER-SALES

Torfresma stands out by providing a highly skilled team to quickly and accurately meet the demands of customers throughout Brazil and abroad.

NEED HELP? CALL US:



+55 (49) 3631.4200



+55 9490 9138.6977



assistenciatecnica@torfresma.com

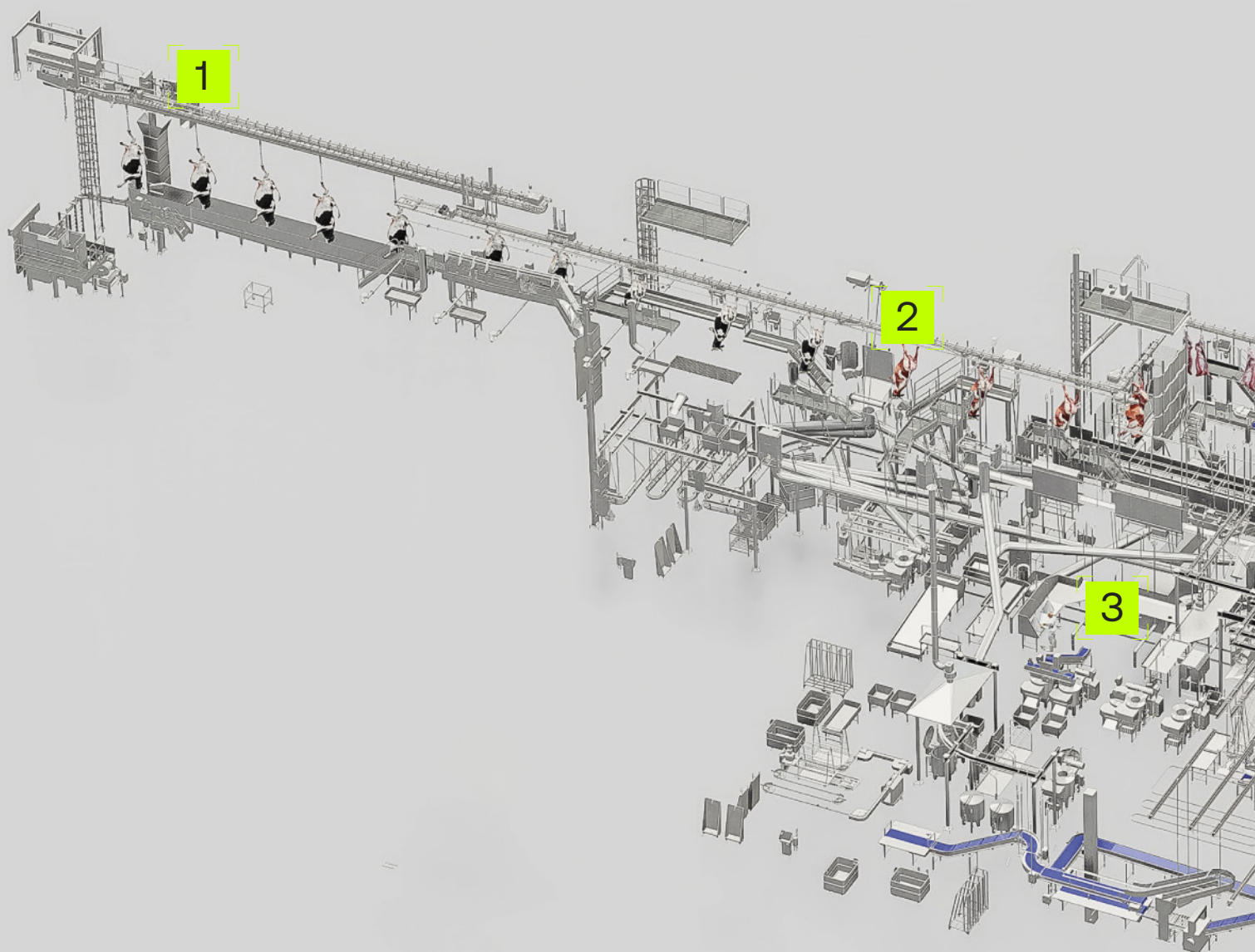


TORFRESMA



CATTLE

Slaughter and Cooling Chamber



Monitor your production:

✓ Time loss per station

✓ Total of emergencies

✓ Available machine time

✓ Carcass codes that entered the line



1 Slaughter in Dirty Zone

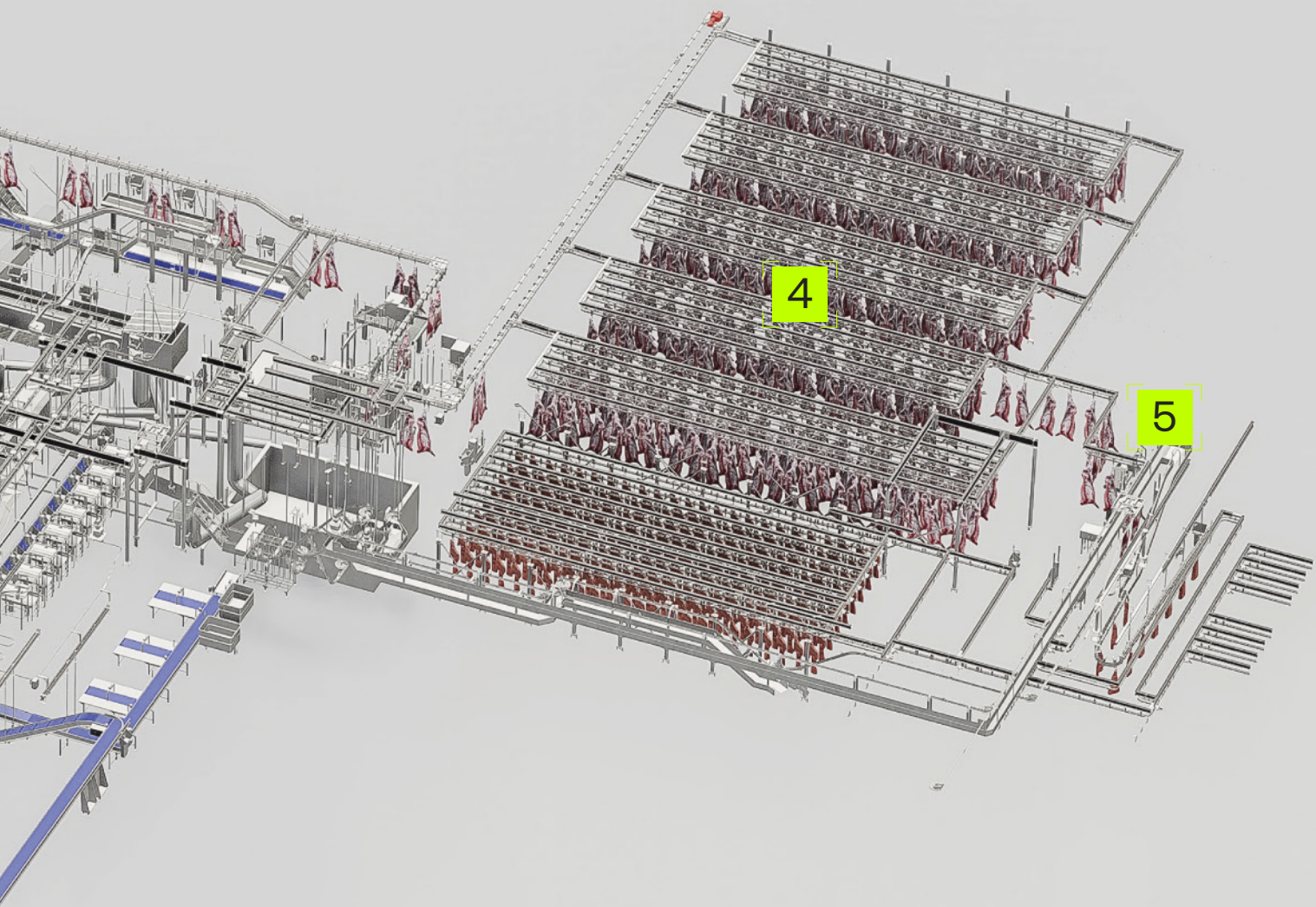


2 Slaughter in Clean Zone



3 Offal

COMPLETE LINES
FOR LARGE BEEF
INDUSTRIES



4 Cooling Chambers



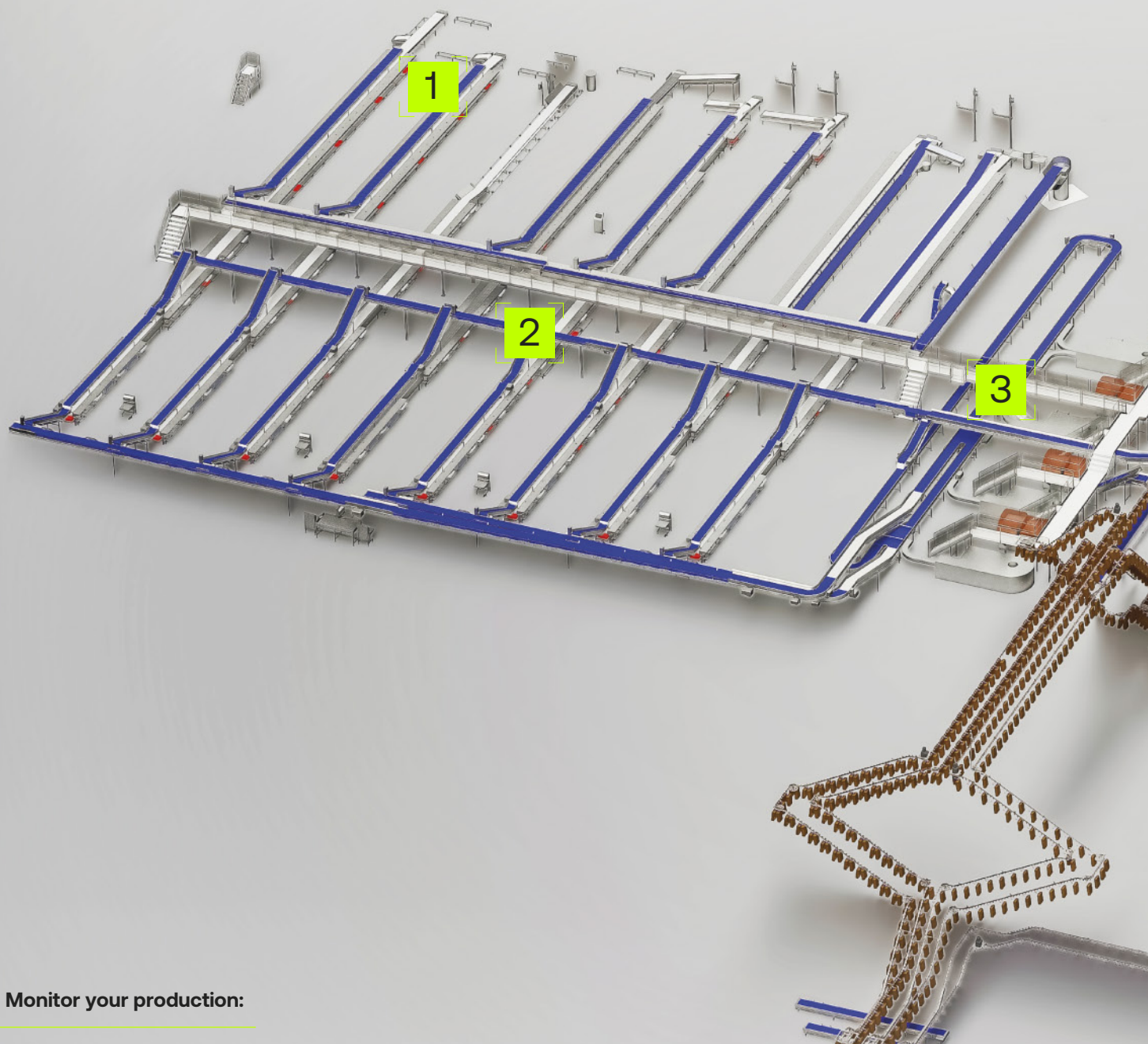
5 Quartering

Explore Torfresma's solutions for beef processing plants.



CATTLE

Deboning, Secondary Packaging, and Palletizing



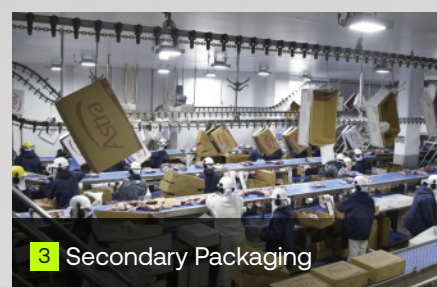
Monitor your production:

✓ Production speed

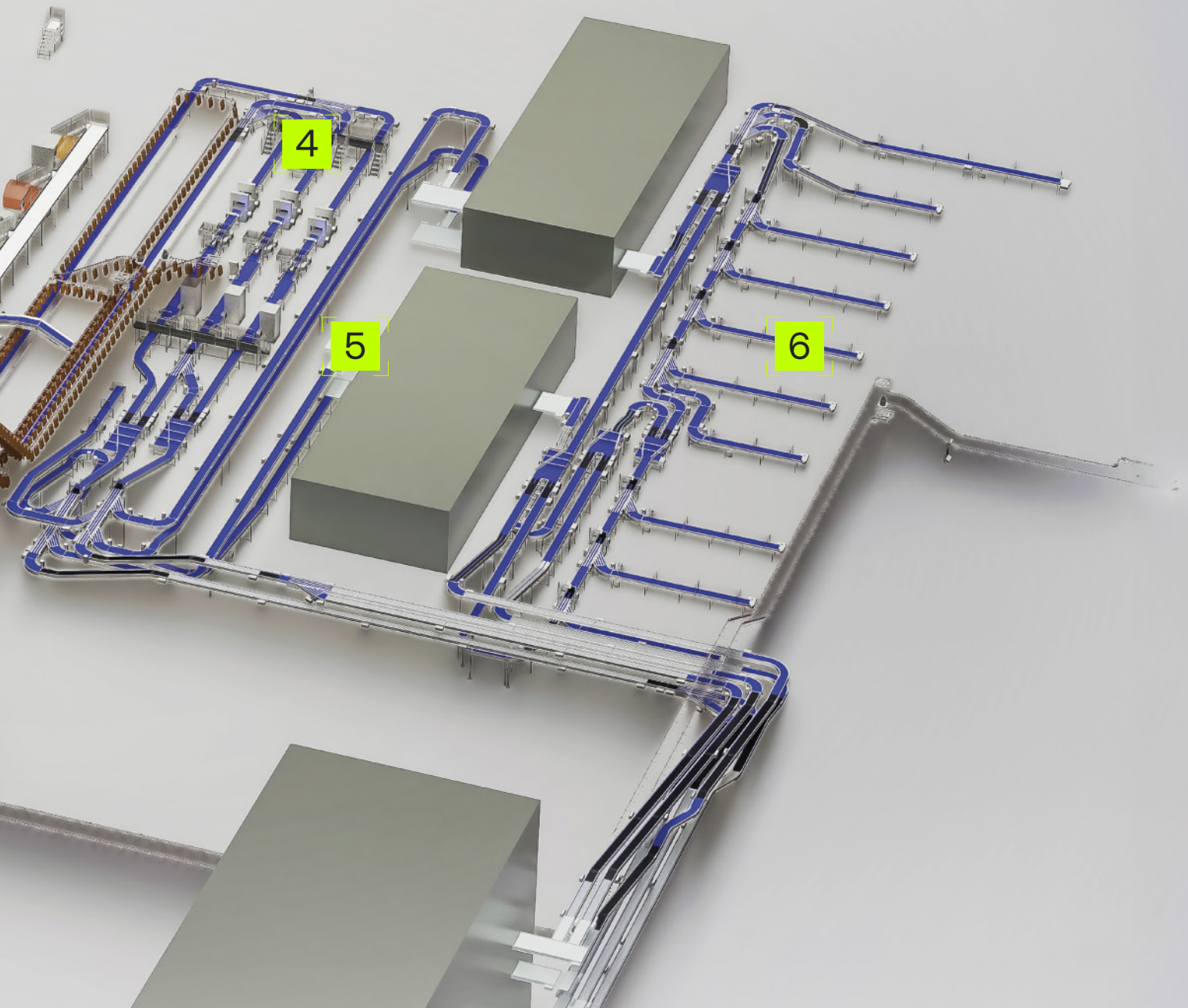
✓ Quantity of packaged products

✓ Totalizer by product, batch, SKU/period

✓ Production volume



CAPACITY FROM
20 TO 240 CATTLE/HOUR



4 Weighing and Labeling



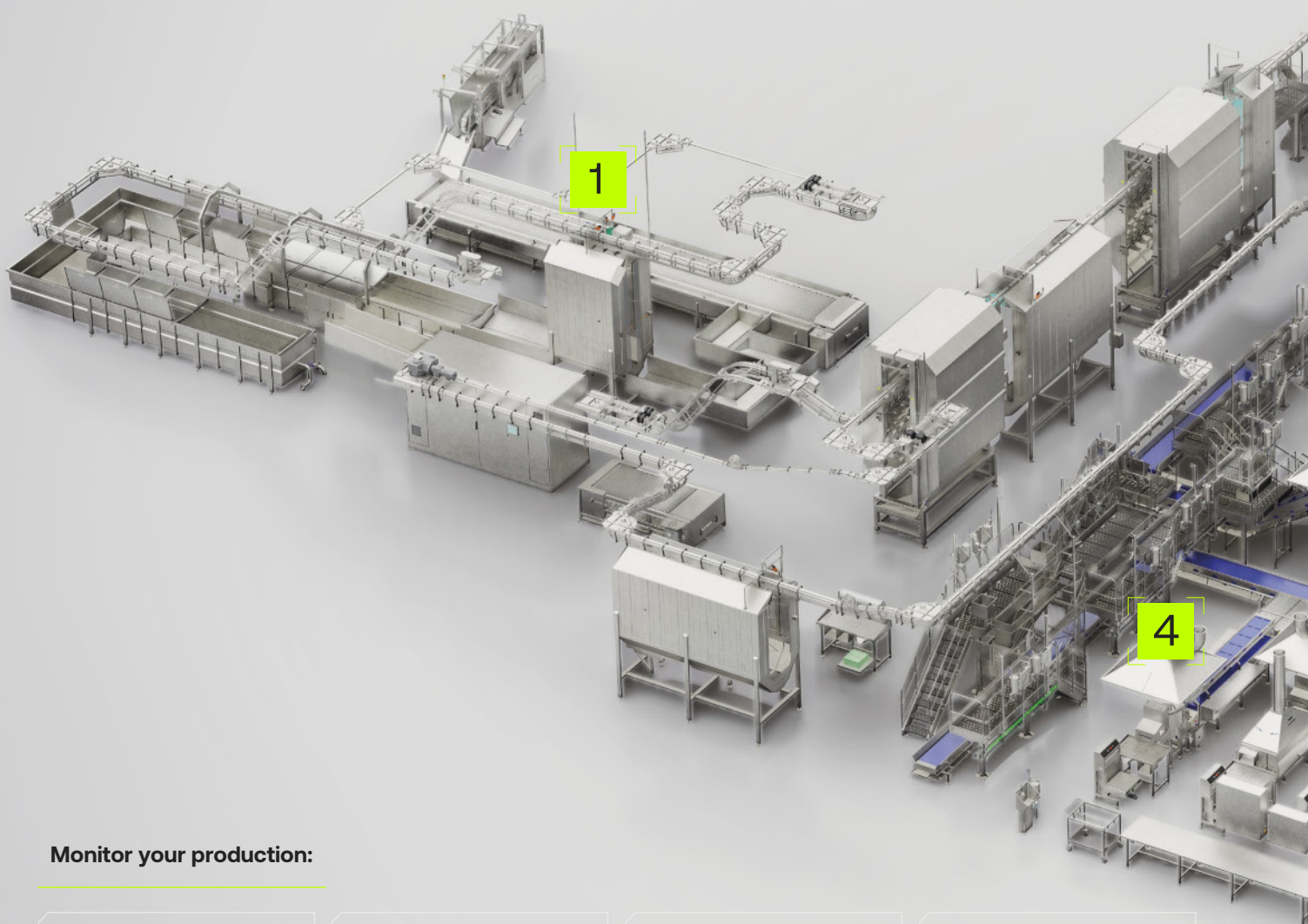
5 Entry and Exit of Freezing Tunnel



6 Palletizing

PORK

Dirty Zone and Clean Zone



Monitor your production:

✓ Line speed

✓ Number of carcasses

✓ Loss due to
quality rejection

✓ Weight per carcass



1 Slaughter in Dirty Zone

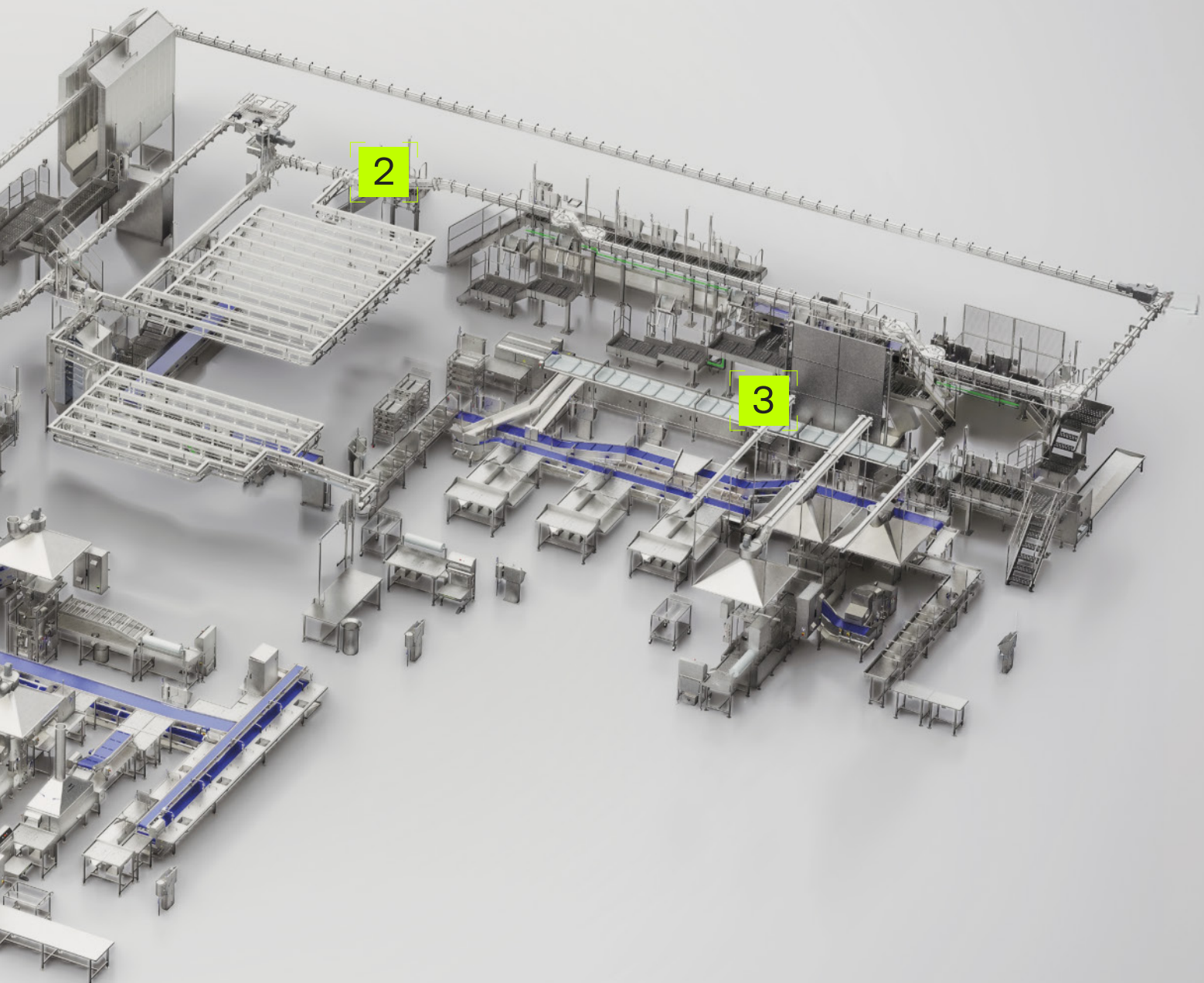


2 Slaughter in Clean Zone



2 Slaughter in Clean Zone

COMPLETE LINES FOR LARGE PORK MEAT INDUSTRIES



3 Annexed Sections



4 Annexed Sections

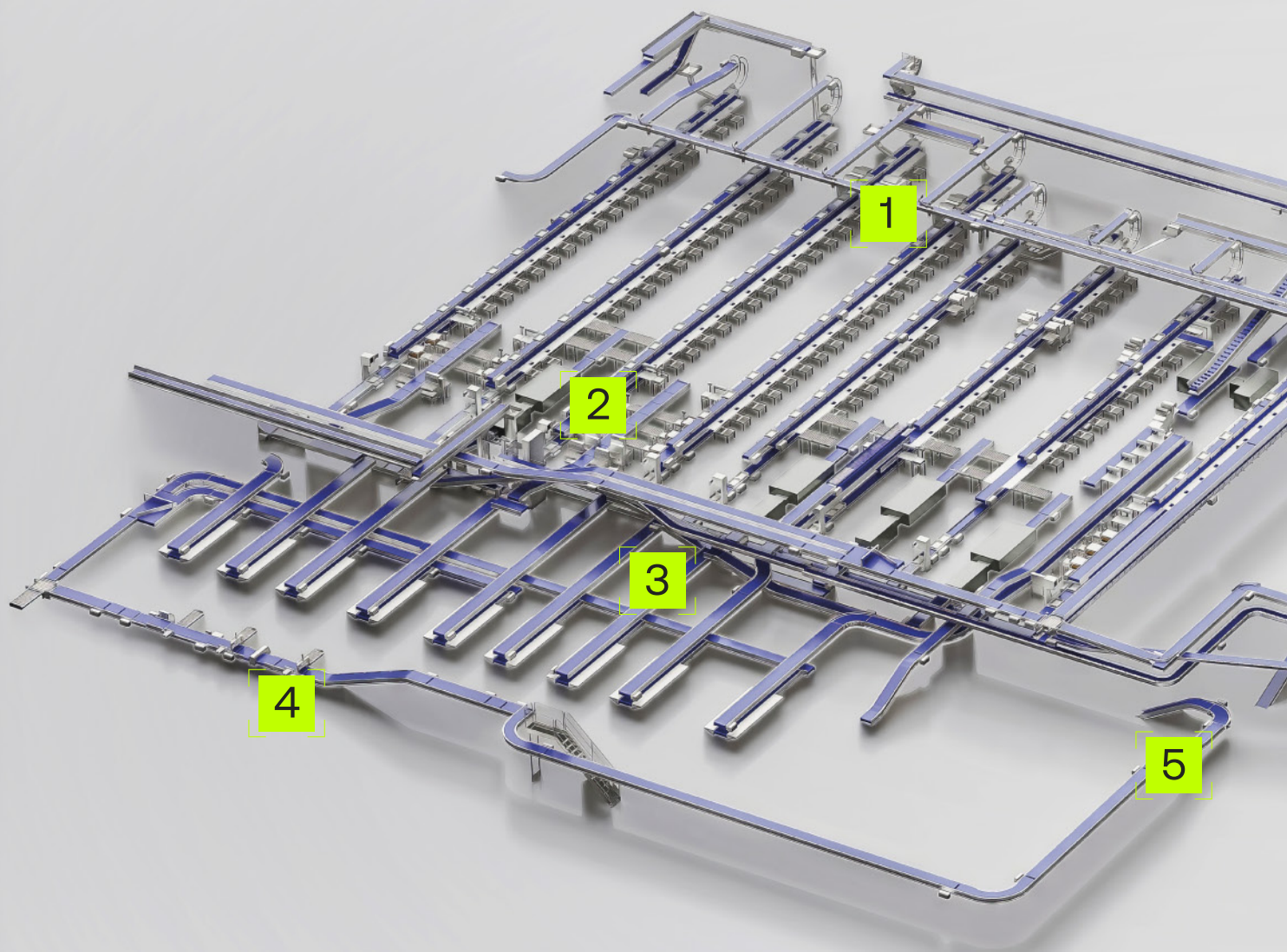


Discover Torfresma's
technology for pork
processing plants.



PORK

Deboning and Secondary Packaging



Monitor your production:



Total carcasses that entered the line



Downtime



Total rejections



Production speed



1 Deboning

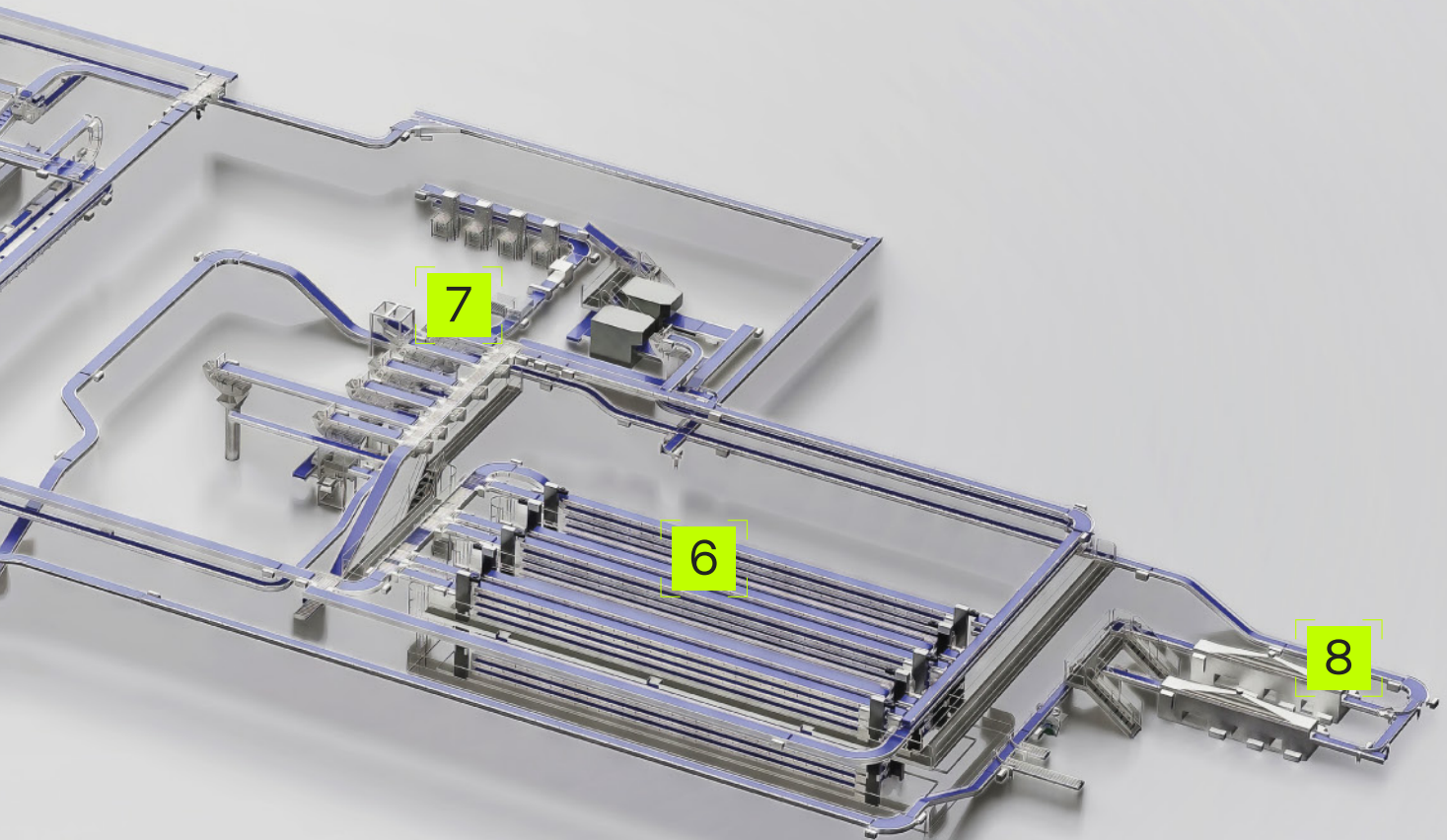


2 Primary Packaging



3 Secondary Packaging

CAPACITY FROM
60 TO 240 PIGS/HOUR



4 Weighing and Labeling



5 Entry and Exit of Freezing Tunnel



6 Raw Material Chamber

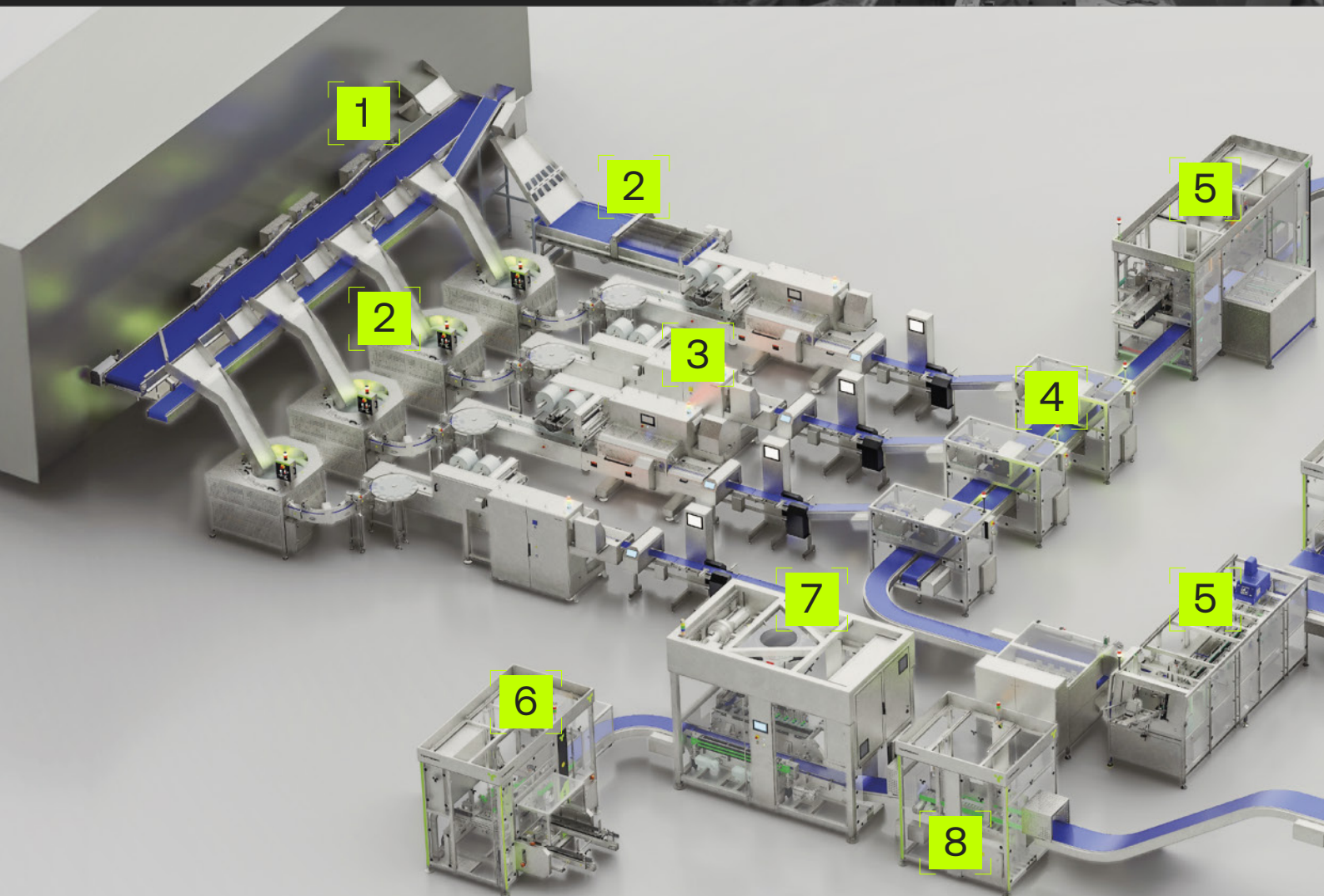


7 Cutting Classification



8 Box Cleaning

BURGER INDUSTRIES



Monitor in your production:

✓ Quantity of rejects

✓ Quantity of packaged products

✓ Product route control

✓ Production volume per period



1 Blast freezer exit



2 Manual and automatic hamburger feeding

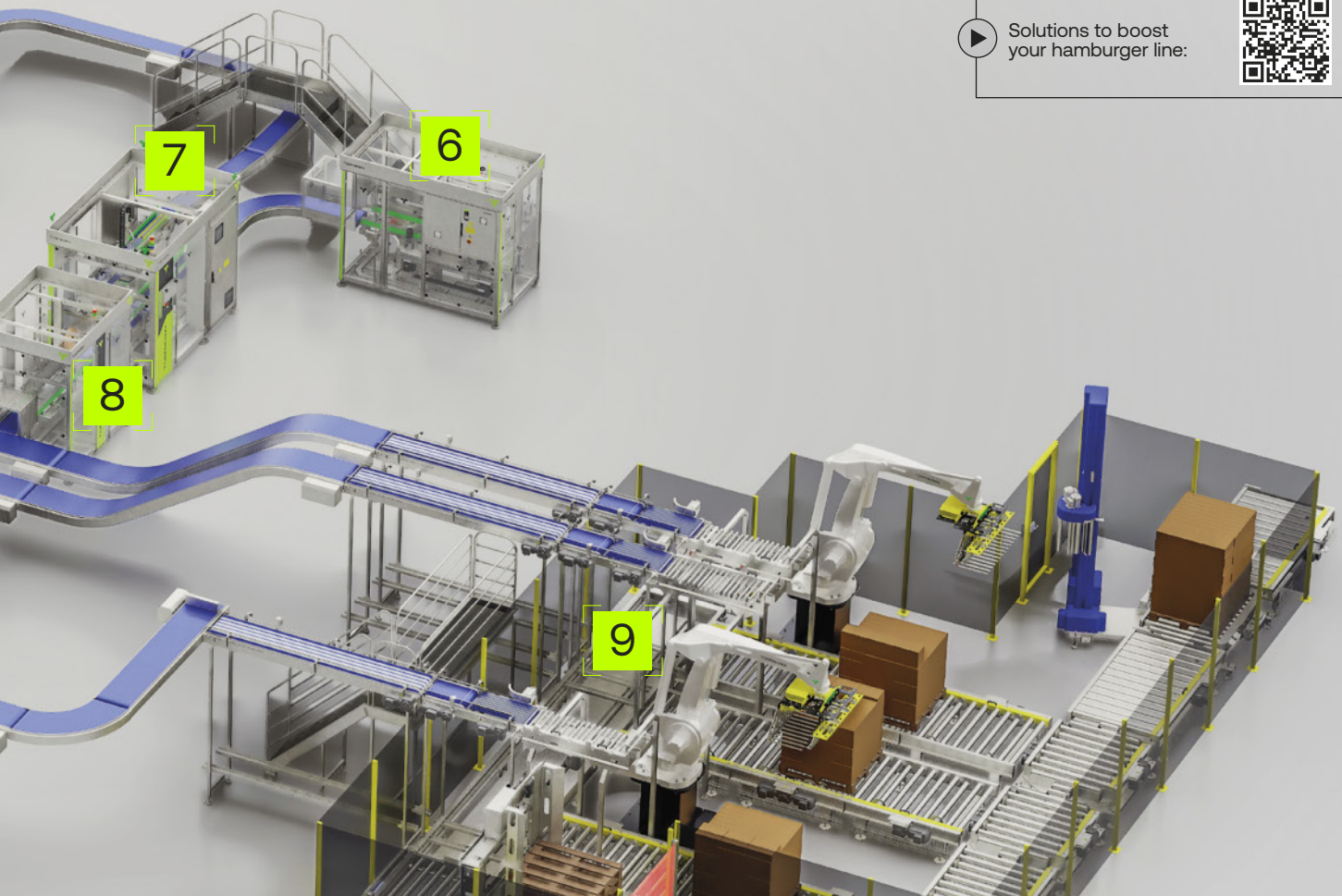


3 Automatic primary packaging

COMPLETE LINES FOR HAMBURGER PACKAGING



Solutions to boost
your hamburger line:



4 Counting and stacking



5 Continuous and
intermittent cartoning



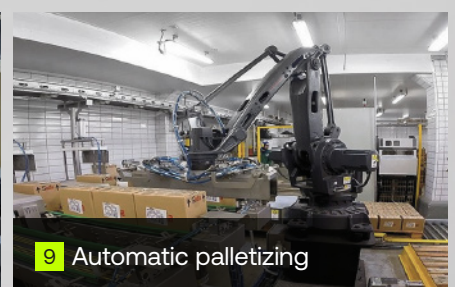
6 Boxes formation



7 Automatic case packing



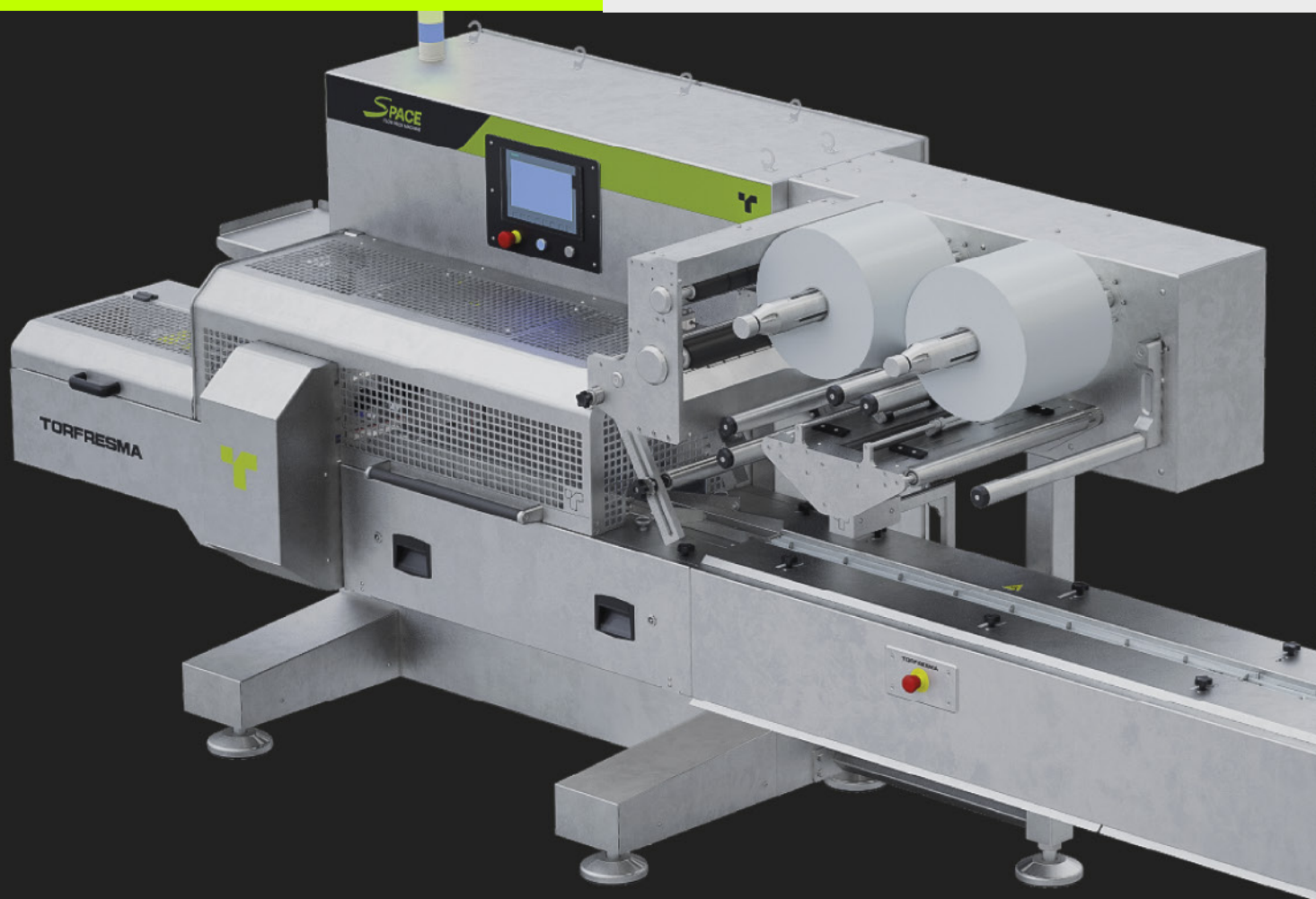
8 Box sealing



9 Automatic palletizing



A horizontal packaging machine
manufactured in Brazil with efficiency
and technology to conquer the world.



EFFICIENCY THAT
BOOSTS RESULTS

300 HAMBURGERS
PER MINUTE

Boost your process efficiency with a
continuous flow, packaging up to 300
hamburgers per minute.

■ Manual or automatic feeding

■ Single or double package

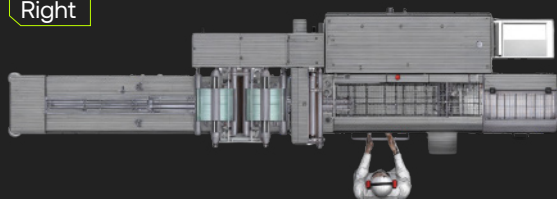


Watch
Torfresma's Space
Flowpack video

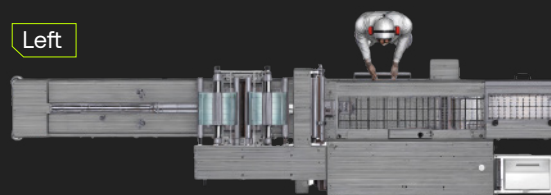


Product exit direction:

Right



Left



STANDARD ITEMS:

Check out the standard items of the Space flowpack machine



1 Function: No product, no package

Identifies when there is no product feeding, pausing the process and automatically resuming when product is detected.



2 Product spacing confirmation

The automatic product spacing configuration ensures precision and consistency in packaging, preventing waste and ensuring the quality of the final product.



3 Quick product change

This component allows the film to fit perfectly around the hamburger, ensuring a secure and uniform sealing.



4 Dual Support for the coil.

Dual coils with automatic plastic film change accessory.

5 TFT interface operation system

6 OEE report generation



Genuine replacement parts



National support

OPTIONAL ITEMS:

Increase your line's efficiency even further.



1 Automatic knife cleaning

The automatic knife cleaning ensures hygiene and efficiency, preventing contamination and maintaining the quality of the packed products.



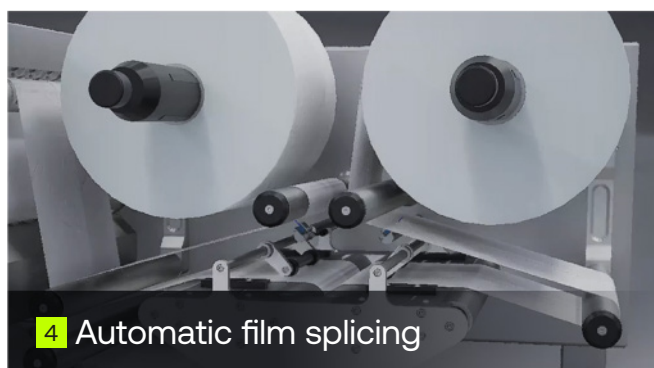
2 Air removal from the package.

By minimizing the burger's exposure to air, it preserves its texture, flavor, and aroma, ensuring the final product maintains its quality.



3 Automatic product rejection

The product rejection mechanism ensures the absence of empty packages and the integrity of the packaged products.



4 Automatic film splicing

The automatic film splicing function optimizes production, increasing efficiency and reducing downtime.

5 Set for metalized BOPP film

6 Printmark reading and synchronization system

7 Manual feeding cup

Boost your hamburger production:

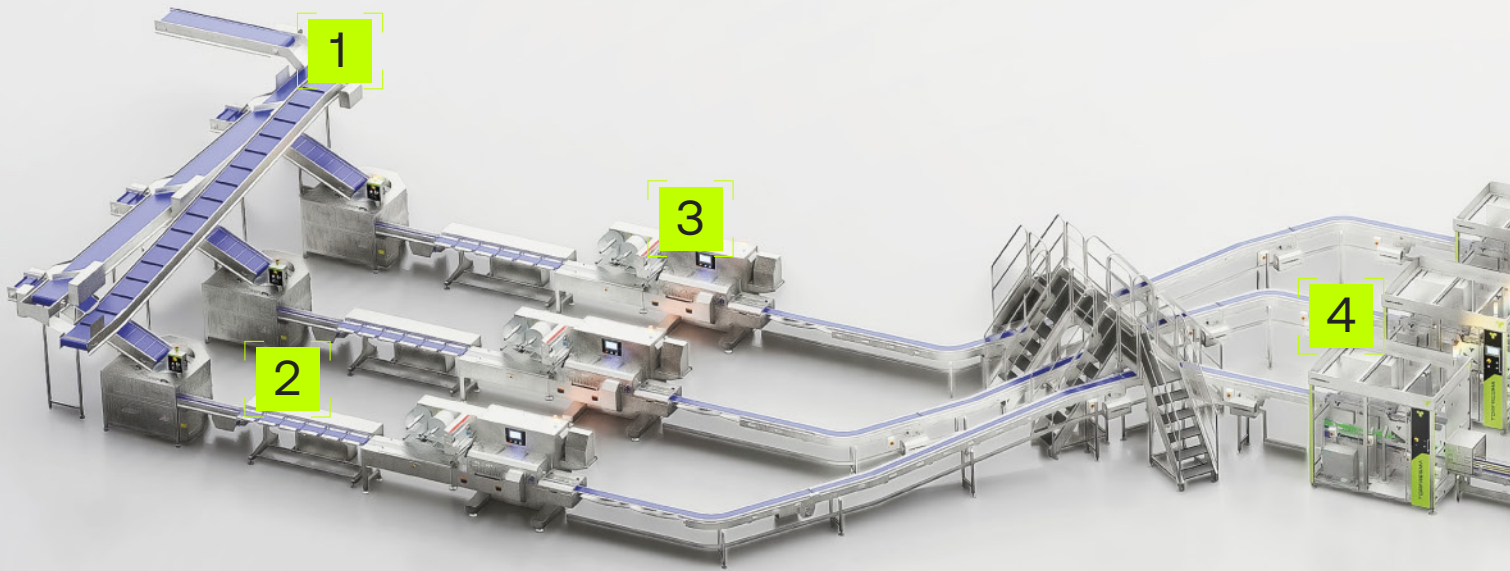
Talk to a specialist

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PROCESSED PRODUCTS

Packaging line



Monitor in your production:

✓ Energy consumption

✓ Machine downtime

✓ Weighing history

✓ Production volume per SKU



1 Blast freezer exit



2 Automatic feeding of breaded products



3 Automatic primary packaging



4 Automatic case packing

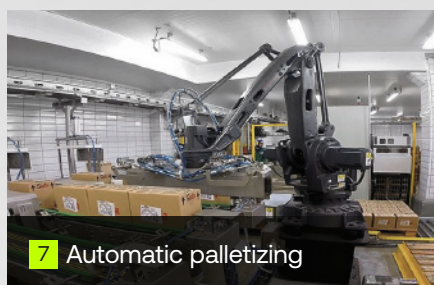
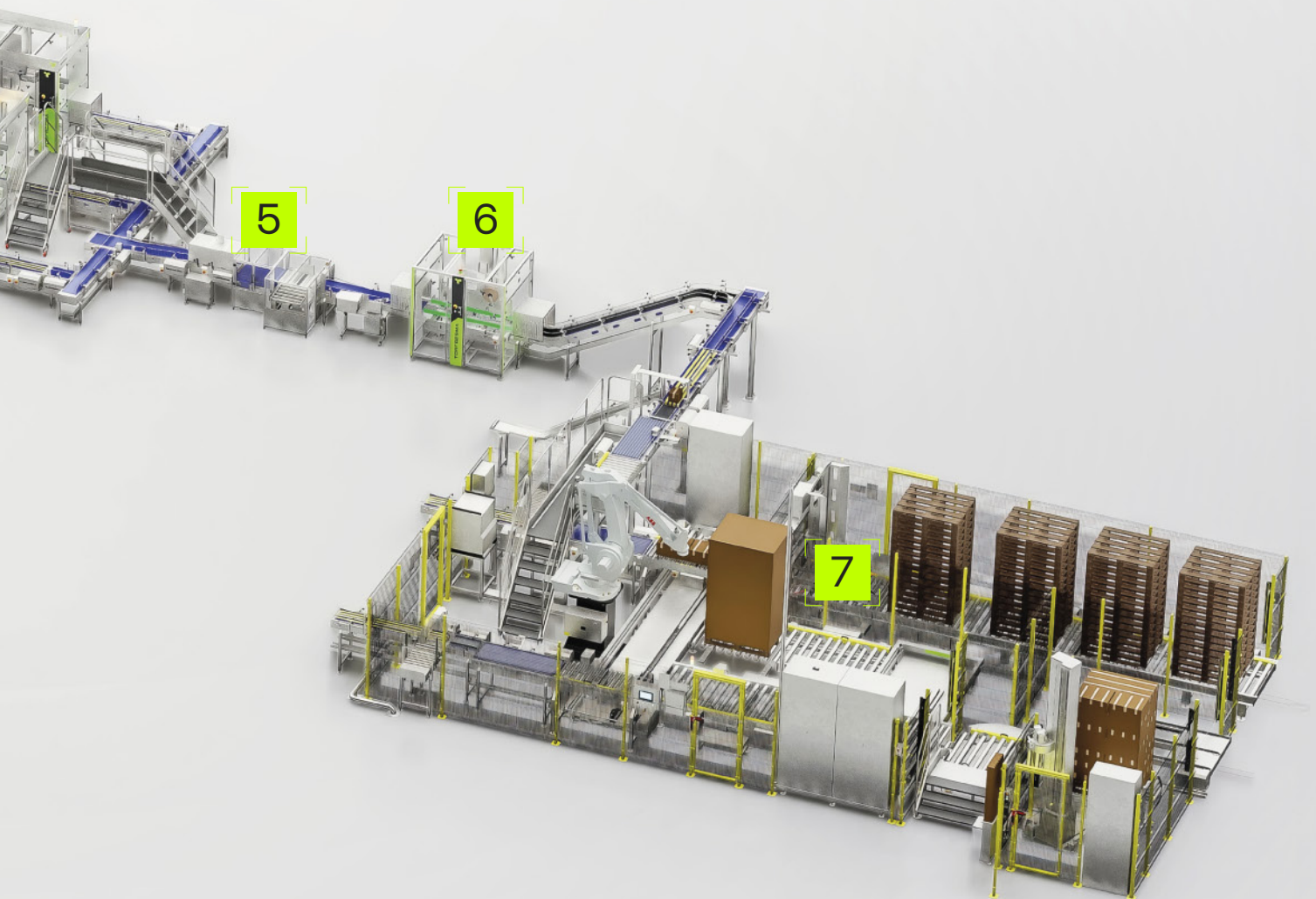


4 Automatic case packing



5 Weighing and labeling

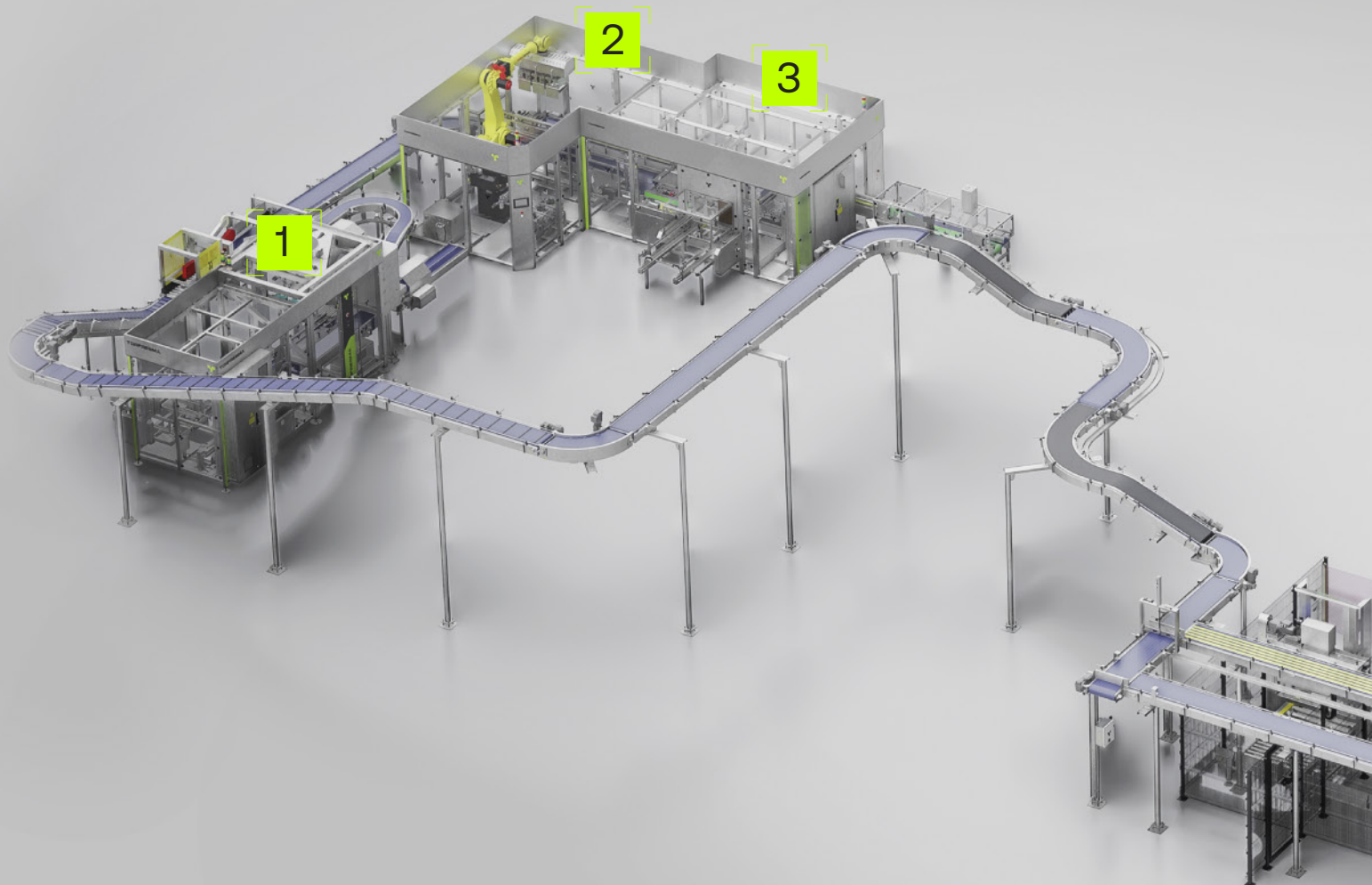
COMPLETE LINES FOR PROCESSED MEAT PRODUCTS



Solutions to automate
the production of
processed products.



CASE PACKING



Monitor in your production

✓ Line speed

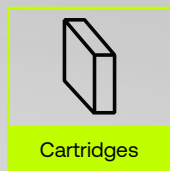
✓ Number of packed cases per product/SKU

✓ Machine OEE

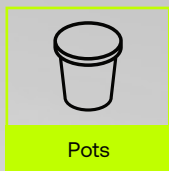
✓ Line availability



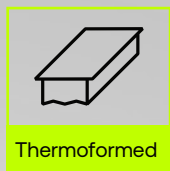
AUTOMATIC CASE PACKING LINES



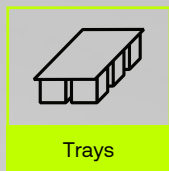
Cartridges



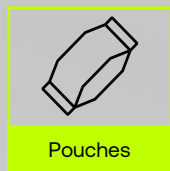
Pots



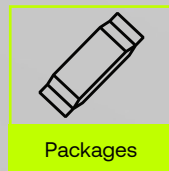
Thermoformed



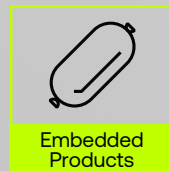
Trays



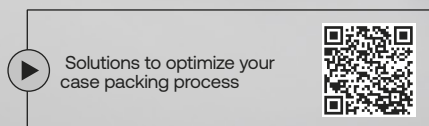
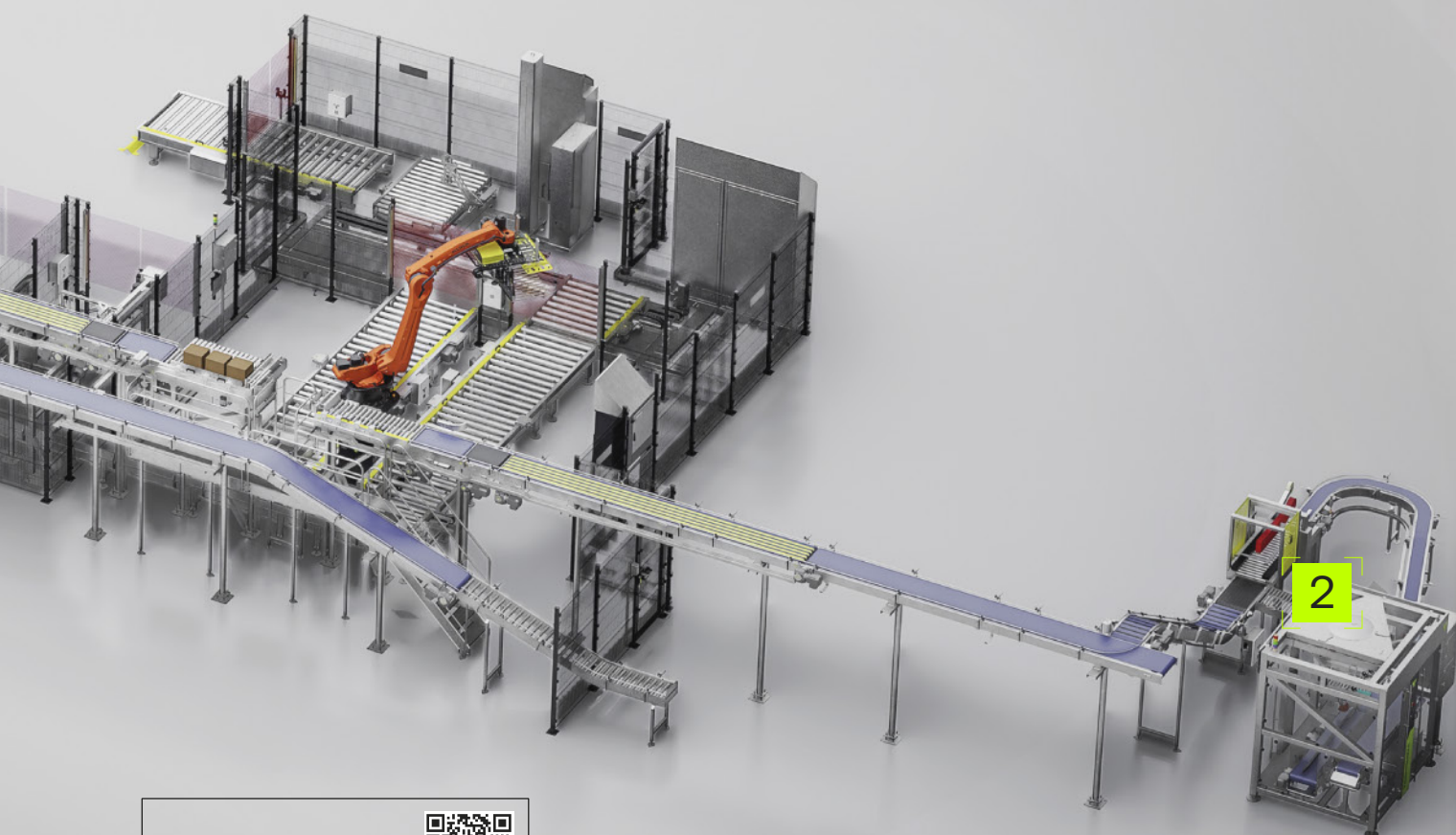
Pouches



Packages



Embedded Products



Solutions to optimize your case packing process



2 Automatic case packing



2 Automatic case packing



3 Box sealing

HANDLING AND TRANSPORTATION



Database **integration**



Supervisory **system** with production monitoring



Identification, classification, and sorting of boxes

Monitor in your production:



Box traceability



Complete intralogistics management



Number of produced boxes



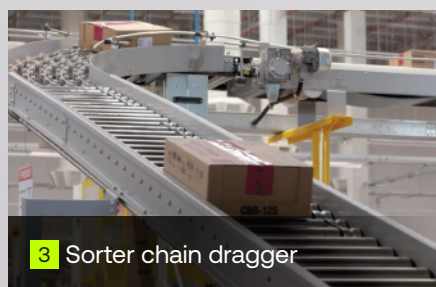
Production volume



1 Sorter Popup 30°

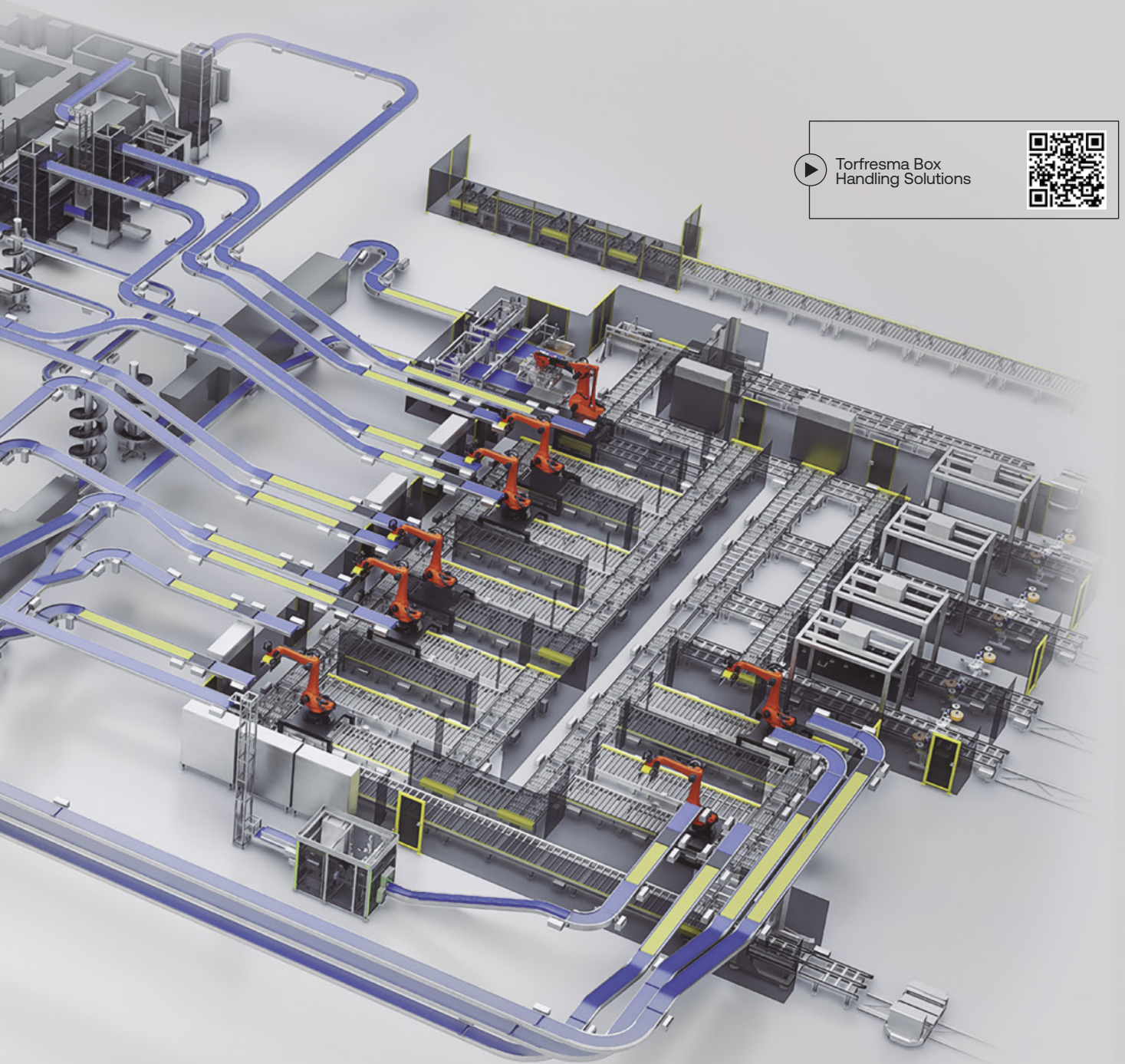


2 Sorter Popup 90°



3 Sorter chain dragger

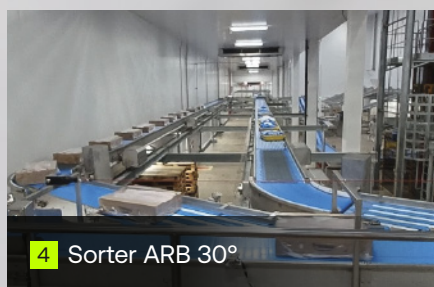
COMPLETE SOLUTIONS FOR INTELLIGENT BOX HANDLING



Torfresma Box
Handling Solutions



4 Sorter ARB 30°



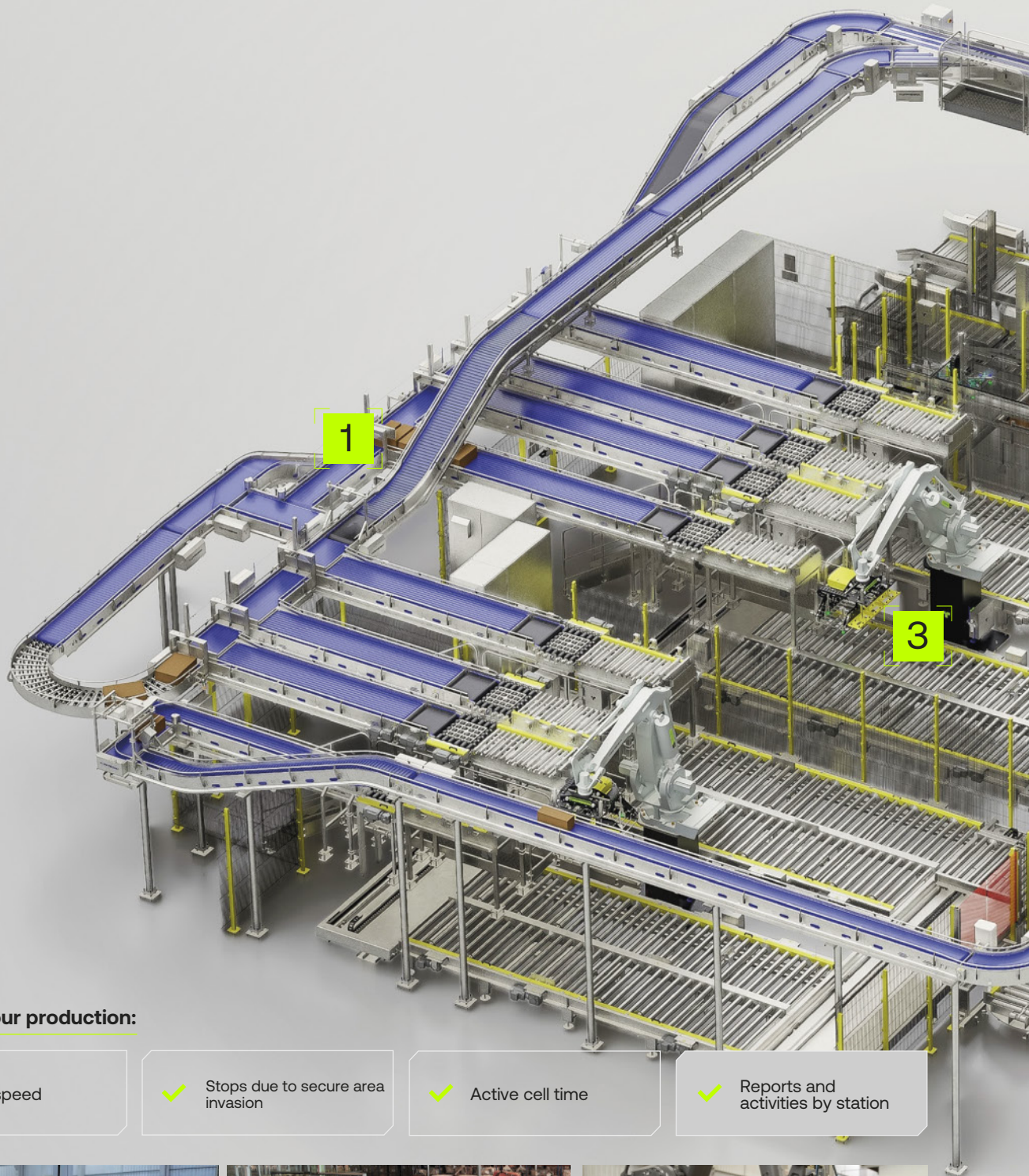
4 Sorter ARB 30°



5 Conveyors

PALLETIZING

Robotic



Monitor in your production:



Boxes speed



Stops due to secure area invasion



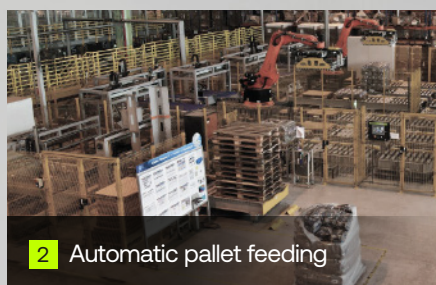
Active cell time



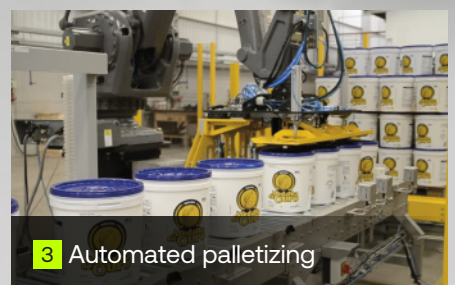
Reports and activities by station



1 Box segregation

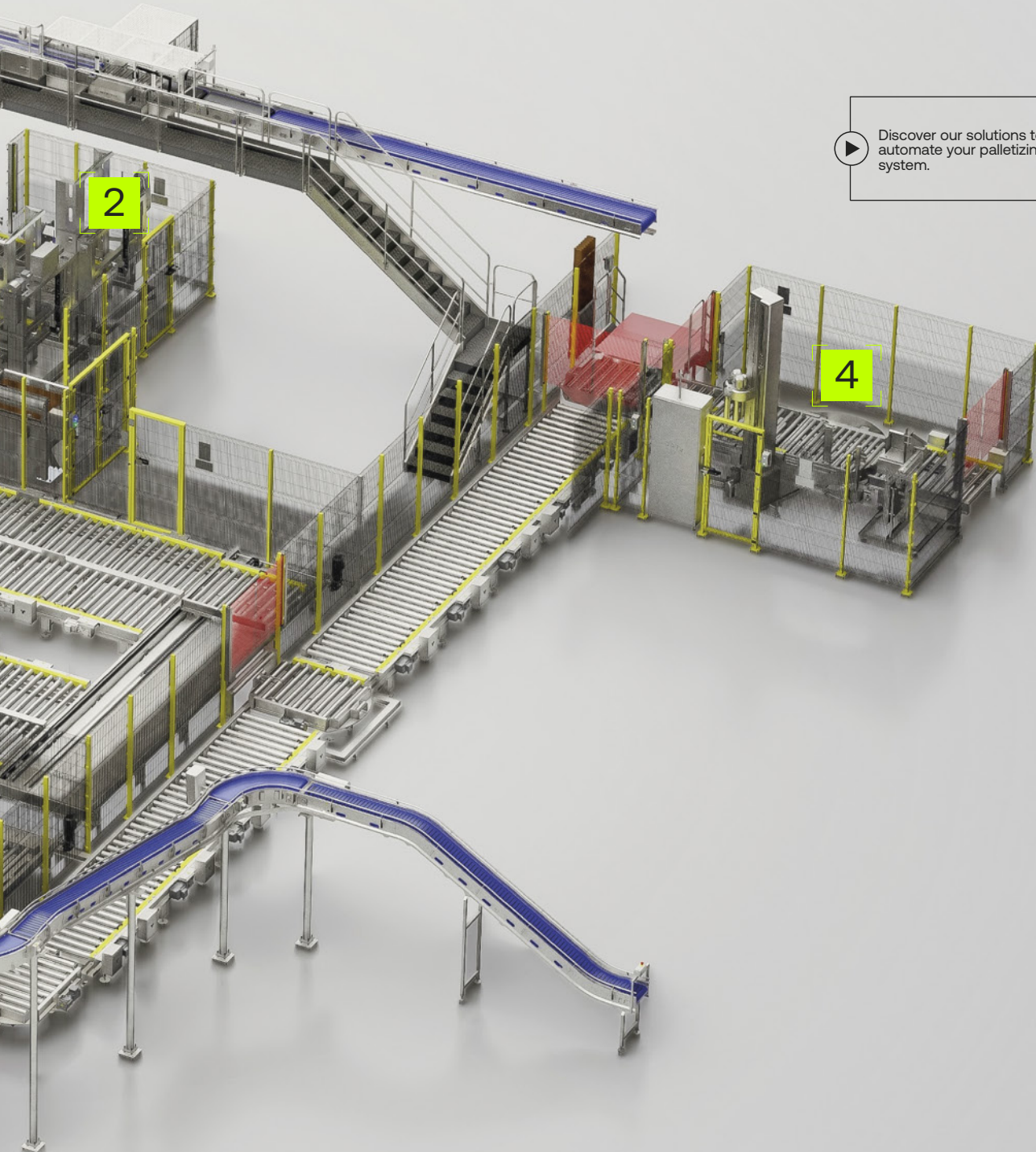


2 Automatic pallet feeding



3 Automated palletizing

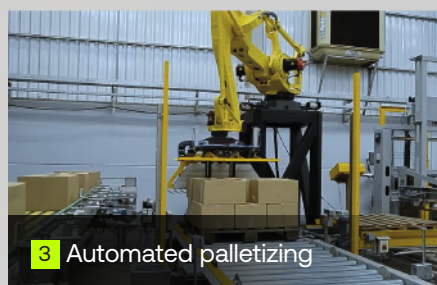
COMPLETE AUTOMATIC PALLETIZING SYSTEMS



Discover our solutions to
automate your palletizing
system.



3 Automated palletizing



3 Automated palletizing



4 Automatic pallet wrapping

TRFCompact Palletizer

Automatic and compact palletizer
with the best cost-benefit.

Simplified Assembly

Save installation time with
plug-and-play modules.



Compact Design

Ideal size for your
end-of-line.



Take it wherever you want.

Has your production
changed? Take your
palletizer and install it
in a few hours.



Ready for Support

Prepared to receive
remote support



TRFCompact Double



SIMPLIFY YOUR PALLETIZING SYSTEM

■ Process simplification

■ Flexibility

■ Safety



Maximum Box Dimensions

L 600, W 400, H 400 MM



Cooperative Operation

Operators and palletizer working in synergy and safety.



TRFCompact App

Create recipes/mosaics easily in just a few minutes using the app.



TRFCompact Single

Compact solution for handling a single SKU.



✓ UP TO 15 CYCLES/MIN

✓ UP TO 30 KG PER BOX



TRFCompact

Palletizer



**TRFCompact
Single**

Compact solution for
handling a single SKU.



Monitor in your production:

✓ OEE in %

✓ Quantity produced

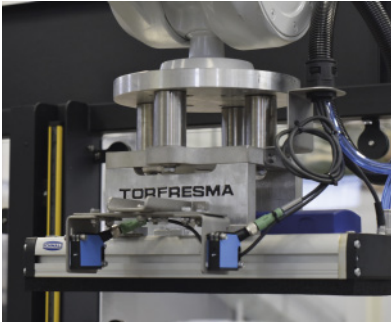
✓ Performance in %

✓ Unscheduled
downtimes

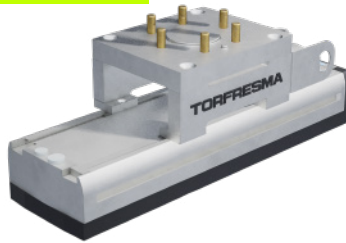
Ideal for boxes palletizing, with simple, quick, and safe configuration, allowing good operator-machine interaction.

FLEXIBLE GRIPPER

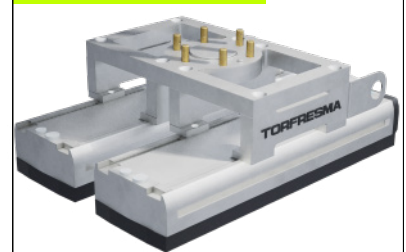
Quickly adjust the gripper
for different box sizes



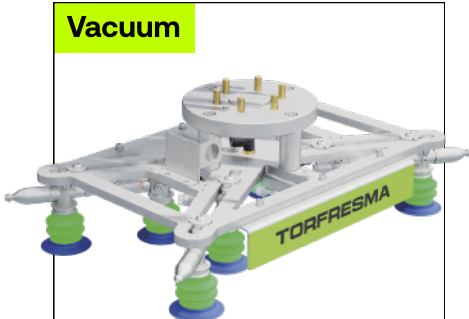
Schmalz



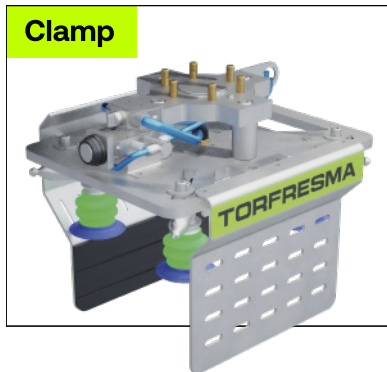
Schmalz Double



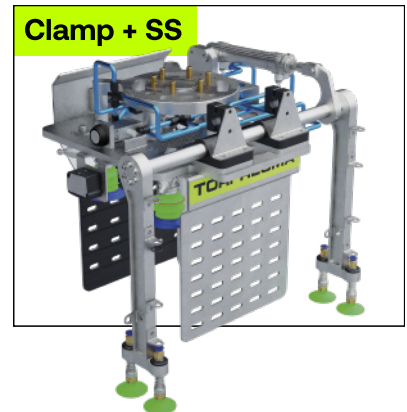
Vacuum



Clamp

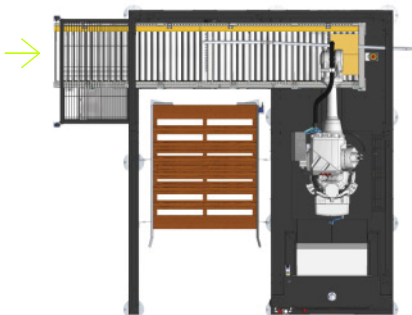


Clamp + SS

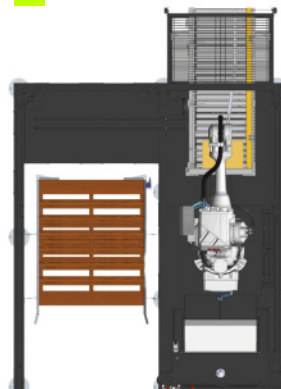


Product infeed configurations:

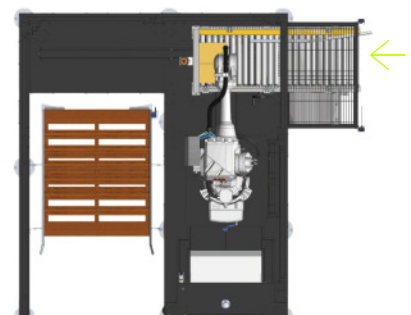
1 Left



2 Front



3 Right



Simplify your palletizing system

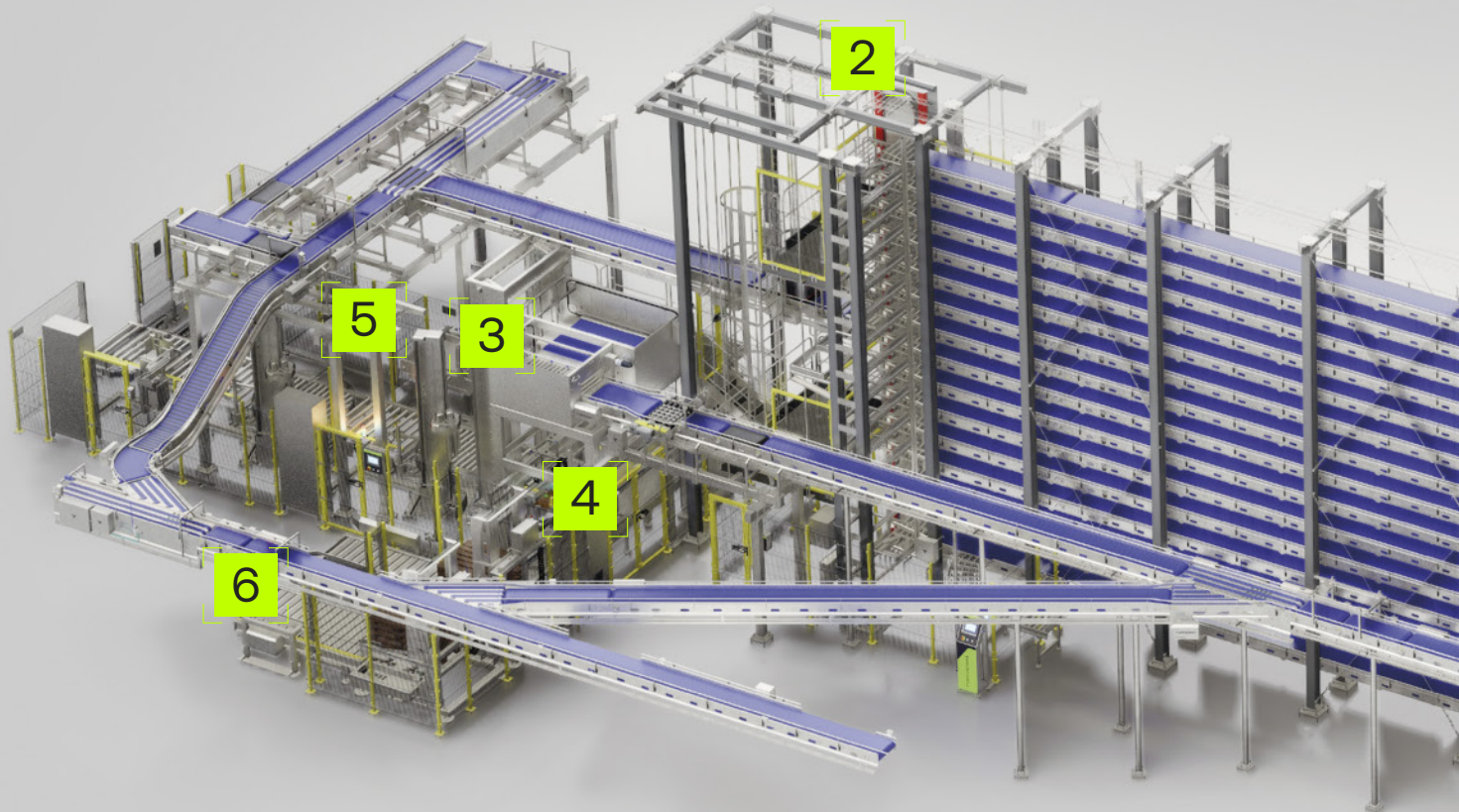
Talk to a specialist

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PALLETIZING

By layers with Buffer



Monitor in your production:

✓ Quantity of labels

✓ Line speed

✓ Production volume

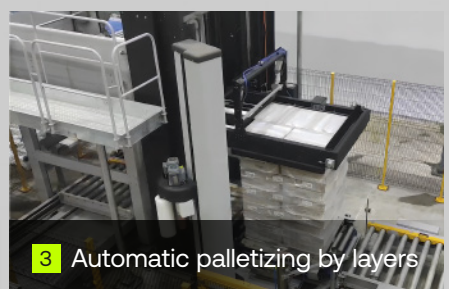
✓ Energy consumption



1 Vertical box buffer



2 Automatic layer feeding

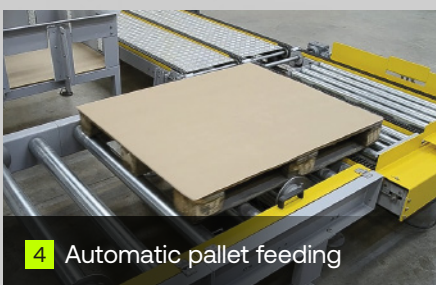
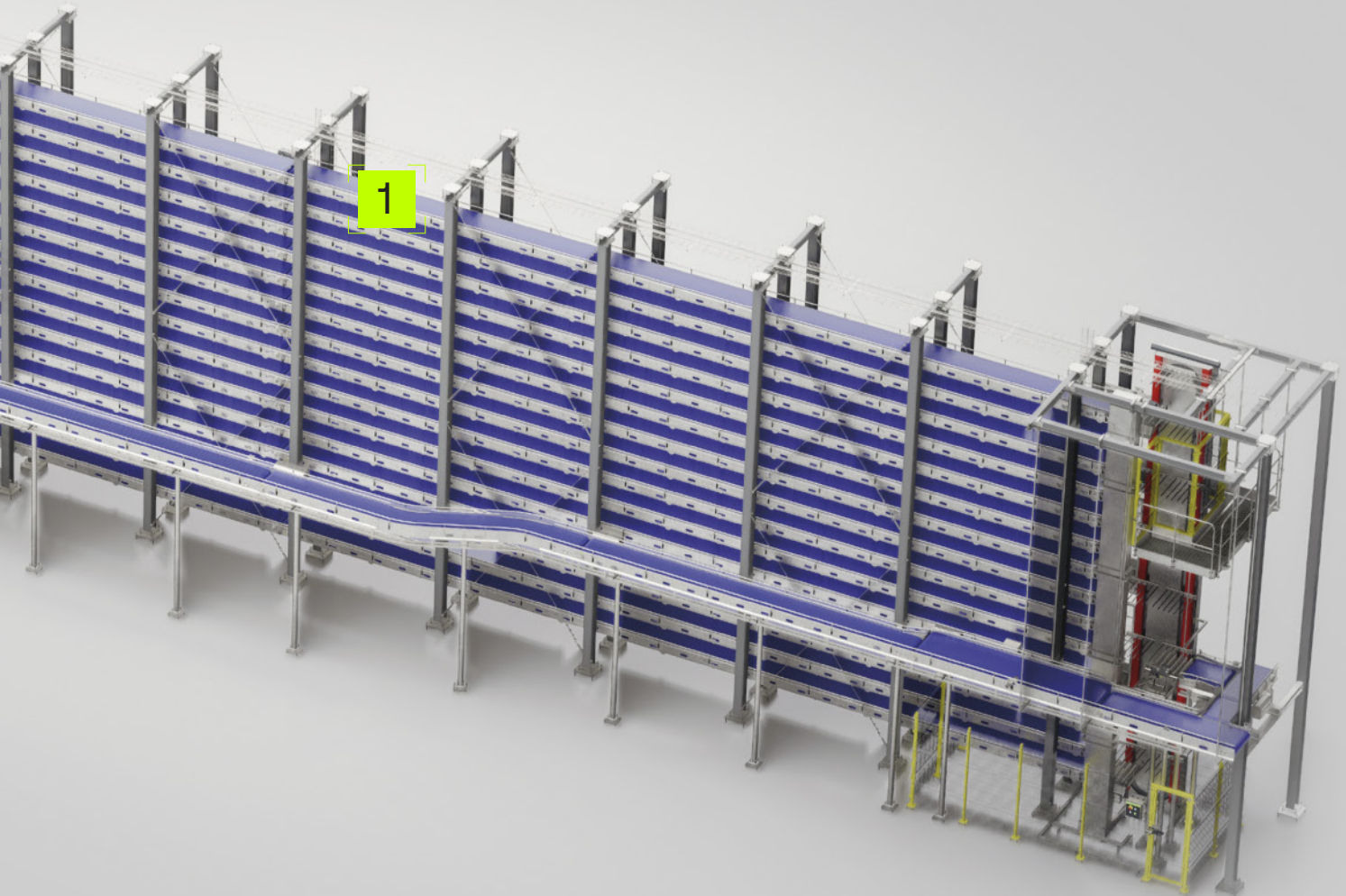


3 Automatic palletizing by layers

CAPACITY FOR UP
TO **1,300** BOXES/HOUR



Explore our solution
for palletizing boxes
by layers



4 Automatic pallet feeding



5 Automatic pallet wrapping



6 Pallet labeling

TORFRESMA

MACHINES AND EQUIPMENT
FOR INDUSTRIES THAT
CANNOT STOP



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