



# GRIPP

Robot Piece  
Picking



# Robot picking technology

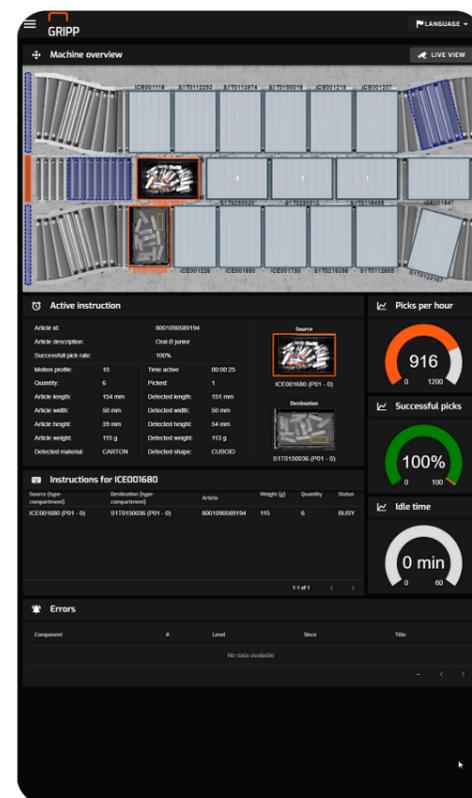
GRIPP stands for Gantry Robotic Intelligent Piece Picker. It's a fully automatic, compact picking technology, equipped with an intuitive user interface, which can process up to 1,200 pieces per hour. The machine has been developed with the aim of increasing order picking throughput without increasing staffing.

## Flexibility and precision

The GRIPP, which is equipped with an intuitive user interface, is able to process pieces from one storage tote to twelve order totes or boxes. The great advantage of this is that pre-sorting can be avoided and that the sequencing of the stock and order totes has more flexibility. Furthermore, GRIPP can both pick from and put to compartmentalized totes.



In addition, the GRIPP is equipped with an extremely intelligent and flexible, customizable 'gripper'. This gripper is equipped with self-learning software that, regardless of the shape, picks up the item to be picked in the correct way. This is because an 'adaptive approach angle' has been built into the software that ensures that the robot approaches the product from the correct angle. This allows the product to be picked up and put away precisely and with optimal grip.



# To measure is to know

In addition, the robot carries out measurements using AI vision technology. With various integrated checks, the GRIPP measures the weight, length, width and even height of a product.

By measuring the weight and dimensions, defective and/or wrong pieces are identified. With these measurements, the movement of the gripper is also determined. The lighter the product, the faster the gripper can move.

Unique to the GRIPP is the use of the height measurement of the product with a light sensor. This sensor detects the height of the product as it is lifted from the stock tote and determines a height measurement based on this. As a result, the gripper knows how to place a product in a controlled and efficient way in the order tote. This prevents damage to a product due to uncontrolled release.

Ready for a tighter GRIPP on your intralogistics?



# GRIPP - Ins & Outs

- > Processes up to 1,200 pieces per hour



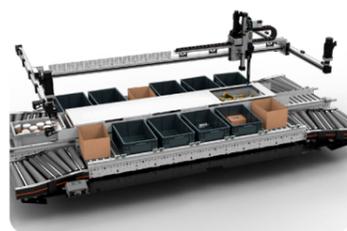
- > Picking from and putting to compartmentalized totes



- > The adaptive approach angle ensures precise and optimal picking



- > Product height detection ensures controlled and precise piece placement



- > 12 accessible order/destination totes/cartons

- > Intuitive user interface



Watch the animation here!

# GRIPP - Technical data

## Technical specifications

### Stock tote

Tote height	220 mm
Tote footprint	600 x 400 mm
SKUs per compartment	1 SKU
Maximum number of compartments*	4

### Order tote/carton

Tote height	300 mm
Tote footprint	600 x 400 mm
Maximum standard carton height	300 mm
Minimum carton size footprint	320 x 300 mm
Maximum carton size footprint	600 x 400 mm
Minimum thickness divider and carton	2 mm

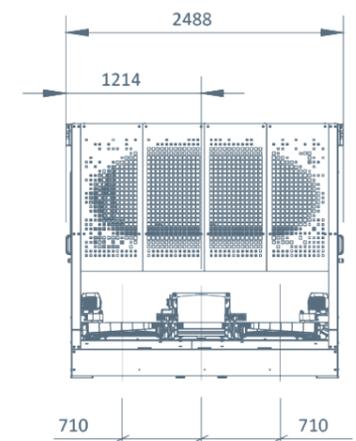
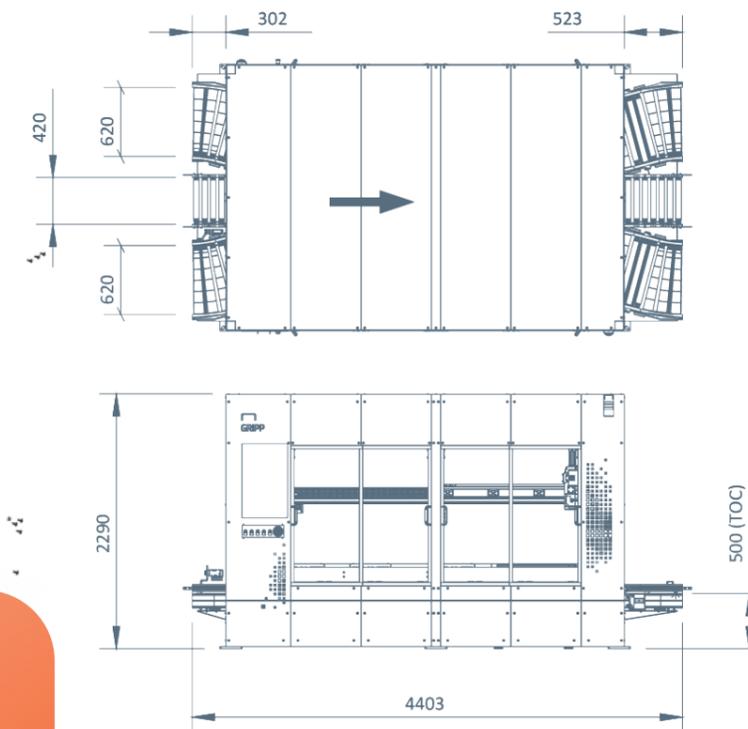
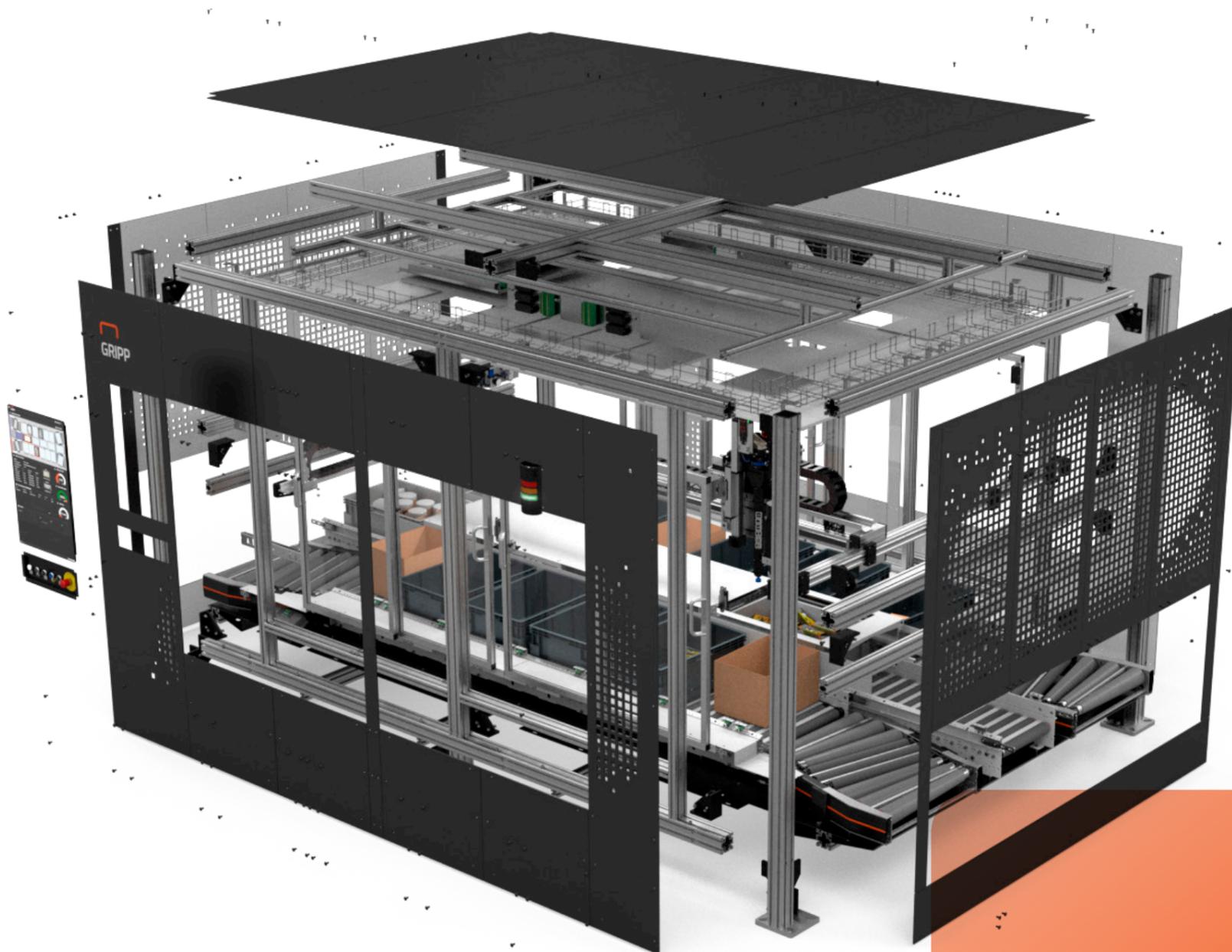
### GRIPPable products

Minimum product dimensions (L x W x H)**	40 x 40 x 5 mm
Minimum weight product	20 gr
Maximum product dimensions (L x W x H)	550 x 350 x 200 mm
Maximum weight product***	2500 gr

\* Dividers crosswise, thickness must be detectable.

\*\* Smaller is possible, but reduces the maximum weight to be handled, e.g. 25 x 25 x 25 mm with a maximum weight capacity of 500 gr.

\*\*\* In case of smaller gripper (default is 30 mm), the maximum weight will be lowered.



# Inther Group

## Improving intralogistics

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