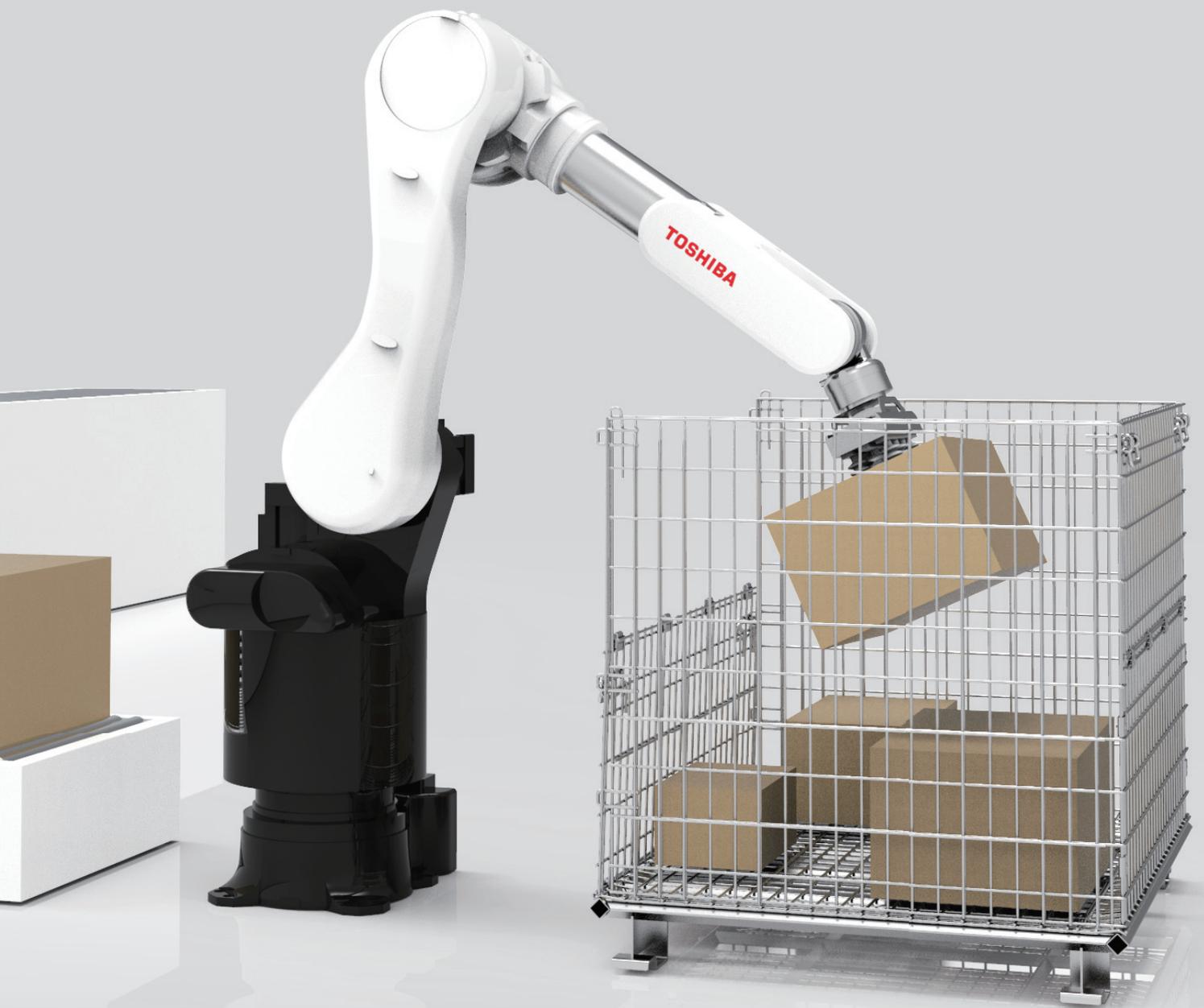


**TOSHIBA**

# Unloading Robot



Info available  
online



## Smooth unloading of randomly stacked items

### Dual cameras recognize items

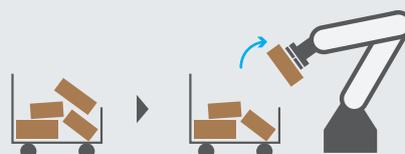
An RGB and 3D camera recognize items with no need for prior teaching.



Recognize items by composite analysis

### Secure picking of uneven items

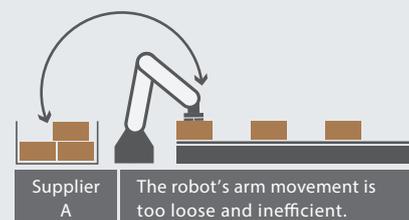
Items at unevenly packed are securely held by changing the angles of the gripper.



No problem picking randomly stacked items

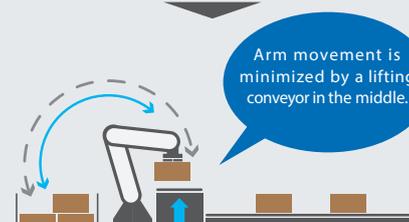
### High-speed processing at 600pph

On-site performance is maximized with peripheral equipment.



Supplier A

The robot's arm movement is too loose and inefficient.



Toshiba

The robot's arm movement is tight and efficient.

## Operation is secure and stable

### Advantage of the unloading robot



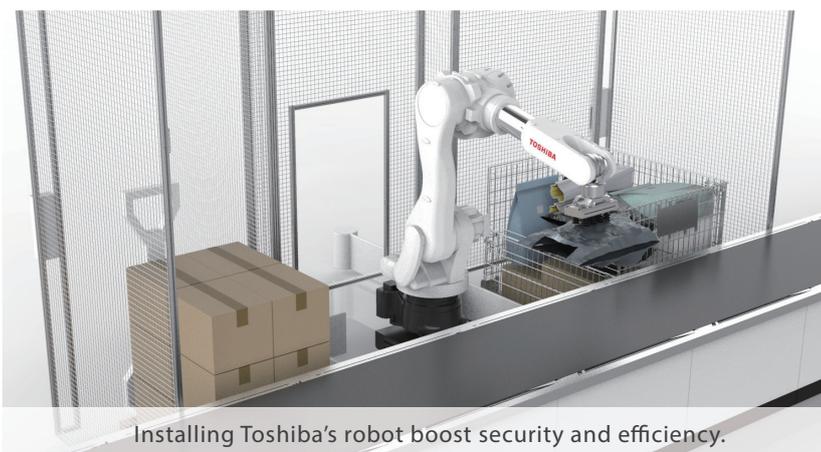
#### Safe, stable operation

Eliminate operator error and mistakes



#### Operator workloads are cut

Items as heavy as 20kg can be handled



Installing Toshiba's robot boost security and efficiency.

## Specifications

Item	Description
Gripper type	Vacuum suction from above
Applicable containers	Pallet, roll container
Max. item size (mm)	600 × 650 × 325
Max. item weight (kg)	Less than 20
Dimensions (mm)	2200 × 3200 × 2700
Weight (kg)	Under 800 (excluding control panel and air compressor)
Throughput (pph)	600 (for items up to 8kg) * May vary with stacking.
Environmental conditions	Ambient temperature : 5 to 35°C, Relative humidity: 35 to 85%RH (Non condensing)

## Toshiba Infrastructure Systems & Solutions Corporation

Security & Automation Systems Division International Sales & Marketing Department

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Info available online



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