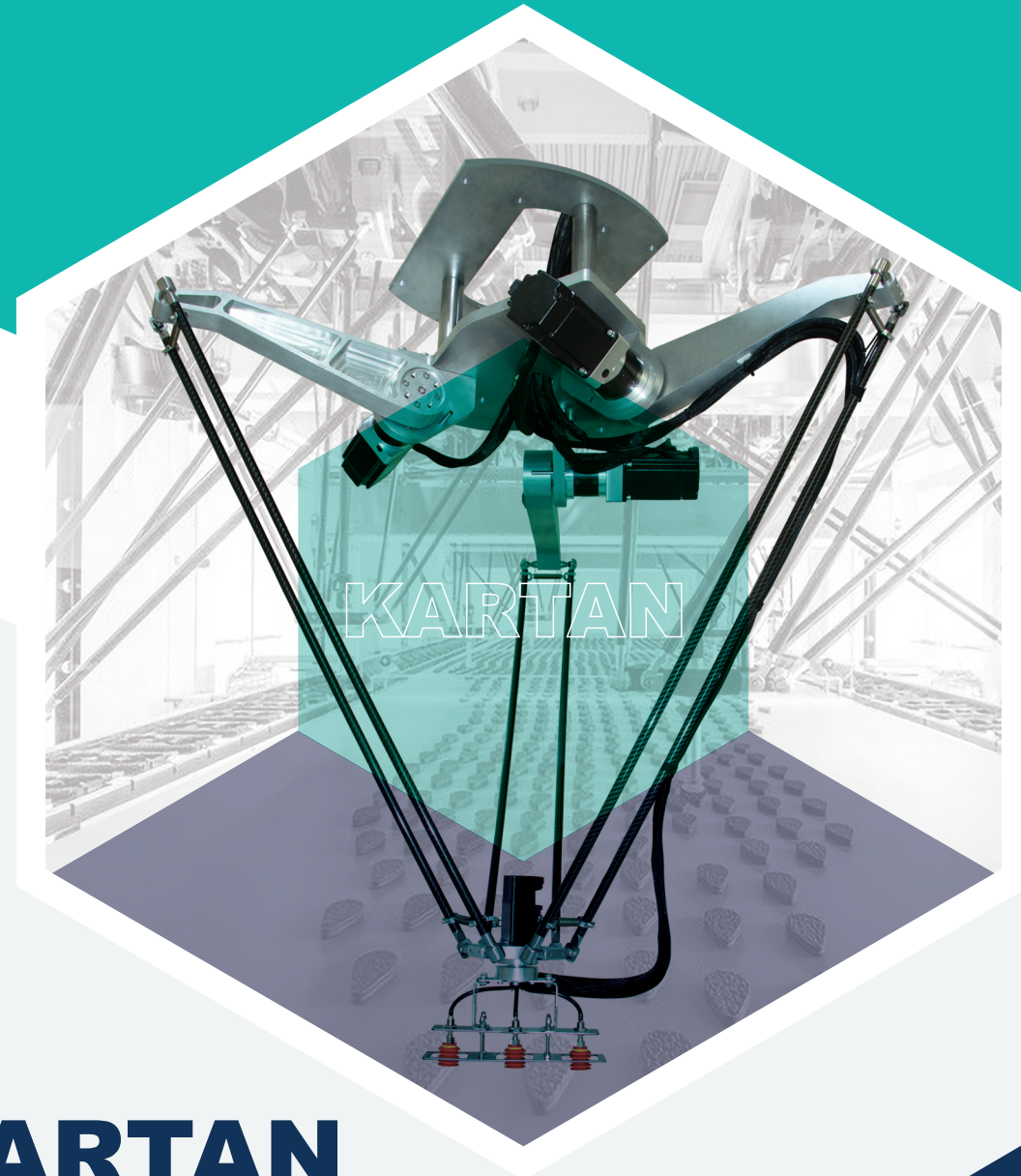




ROBOKARTAN
Pick & Place Solutions



KARTAN **DELTA** **ROBOT**

The Right Solution for Requirements

High Speed, Precision & Flexibility



MABNA CONTROL
Automation & Robotics

www.robokartan.com



Delta Robots, also known as parallel robots, are suitable for use in the food, beverage, pharmaceutical and hygiene industries. They are commonly used for moving, sorting, measuring, assembling, inspecting and testing products.



Materials

- carbon fibre, stainless steel, anodized aluminium, titanium and plastic

Flexible Packaging Styles

- Pre - packaged, wrapped or thermoformed trayed products are picked and placed into cartons, cases or trays
- Vision control system assures that even misaligned products can be placed with precision, thus there is no need for any additional intermediate infeed process
- Vacuum cup or light - touch mechanical gripper endeffectors ensure gentle product handling

Easy Product Changeovers

- Tool-free changeable end effectors
- Recipe storage and recall of all individual parameters

Type of Gripper

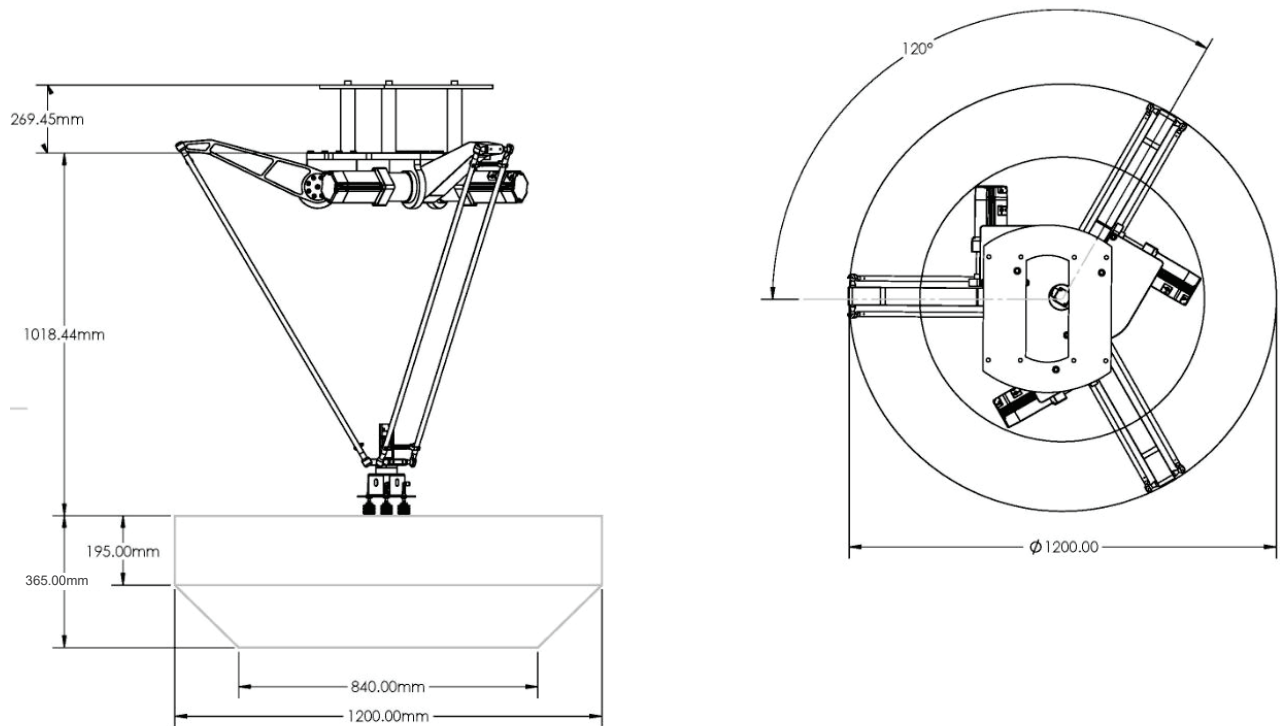
- Vacuum Gripper
- Magnet Gripper
- Air Gripper

Maintenance

- Low maintenance
- easy access to components

Machine Vision

- UI VISION is a machine vision software platform that integrates deep learning algorithms and traditional CV algorithms



SPECIFICATIONS

Model	D4-1200
Axes	4
Max Payload	0.5 kg
Working range diameter	1200 mm
Height of working space	365 mm
Rotation range	±360°
Pik &place speed Up to	120 p/min

Repeatability - position	0.1 mm
Weight of manipulator	95 kg
Rated power	4 kw
Storage temperature	0-45°
Humidity Range Max	80%
Noise level	68 dB(A)
Protection rating	IP55

