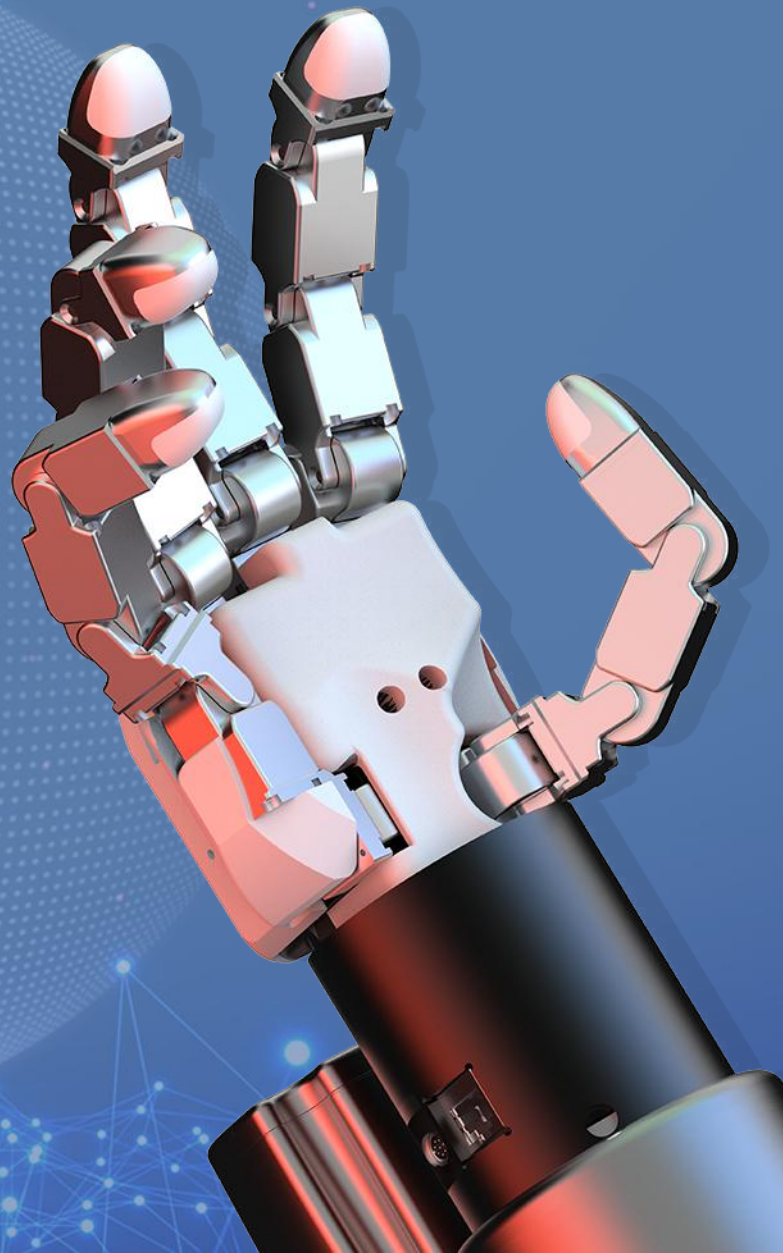


TESOLLO®

The End-Effector and Robot Automation System Specialized company

COMPANY PROFILE_2025

TESOLLO Inc. is based on robot engineering technology.
We manufacture robot grippers and motor controller.

Chapter 01

About TESOLLO

TESOLLO®

About TESOLLO

TESOLLO®

Tesollo specializes in advanced robotic grippers that enhance the functionality of robots. Multi-joint gripper technology enables precise object manipulation, significantly improving automation processes across various industries.

Company name	Tesollo Inc.
Representative	Young-jin Kim
Business Areas	Manufacturing/Software
Major Business	Development of robot gripper & Development of robot integrated solution
Certification	Venture company, corporate research institute, materials/parts/equipment specialist, ISO 9001:2015 certified
Headquarters Location	Songdo, Incheon Metropolitan City, Republic of Korea
Branch Location	GIDC, 43 Iljik-ro, Gwangmyeong-si, South Korea

Selection project	Korea's top 100 startups, Top 1000 technology startups in Korea
Number of employees	27
Contact Number	+82-2-6914-6620
Email	support@tesollo.com
YouTube	https://www.youtube.com/@TESOLLO
LinkedIn	https://kr.linkedin.com/company/tesollo-inc
TESOLLO®	https://en.tesollo.com/

Company History

TESOLLO®

Tesollo is a robotics development company,
renowned for its specialized expertise and extensive know-how in advanced robotic solutions.

2019

- 01 Founded Tesollo Inc.
- 04 Named to Forbes 30 Under 30 Asia (CEO Youngjin Kim)

2020

- 07 Established Corporate Research Institute

2021

- 09 Selected for the Small and Medium Technology Innovation Zone Business Development Program
- 10 Signed a Technology Transfer Agreement for the 3-Joint Robotic Gripper

2022

- 02 Selected as an Innovative Startup by the Korea Credit Guarantee Fund
- 05 Selected for the BiiG WAVE Program (5th cohort)
- 06 Selected as an Innovative Startup by IBK Changgong, 2nd cohort
- 10 Selected as the Excellent Product of the Year at the '2022 RobotWorld Award'
- 10 Selected for Hyundai Motor Group Open Innovation Zero-One Accelerator Program

2023

- 04 Selected as one of the Top 100 Startups in Materials, Parts, and Equipment
- 04 Awarded the Innovation Award at the World IT Show and received the Minister of Science and ICT Award
- 05 Acquired Technology Credit Rating TI-3
- 07 Selected for LX Pantos Open Innovation
- 08 Selected for the Super Gap Startup 1000+ Project DeepTech TIPS
- 09 Selected as a Partner Company by the Korea Institute of Industrial Technology

Company History

Tesollo is a robotics development company,
renowned for its specialized expertise and extensive know-how in advanced robotic solutions.

2024

- 01 CES 2024 DG-3F Exhibition
- 04 Selected for the Super Gap Startup Incubation Program (DIPS 1000+)
- 05 Delivered DG-3F to Delta Electronics
- 07 Delivered DG-3F to Samsung Electronics
- 10 Selected for the '2024 RobotWorld Award' in the Robotics Parts and Components category
- 12 Selected as a 'First Penguin Company' by Korea Credit Guarantee Fund

2025

- 01 CES 2025 Innovation Award Winner
- 01 Selected for Samsung C-Lab Outside
- 03 Established global distribution and sales channels (including the U.S., China, and Europe)
- 03 Selected for D.CAMP Batch 2 program
- 04 Selected as a component supplier for the K-Humanoid Alliance Robot Project
- 04 Winner of the WIS 2025 Innovation Award
- 05 Acquired A-grade Certification as a Technology Innovative SME (Inno-Biz)

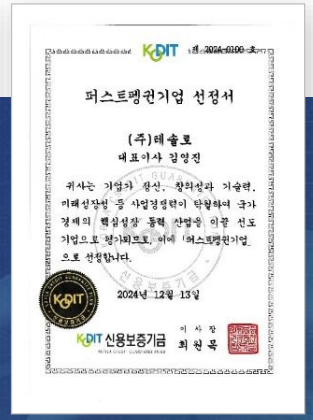
2025

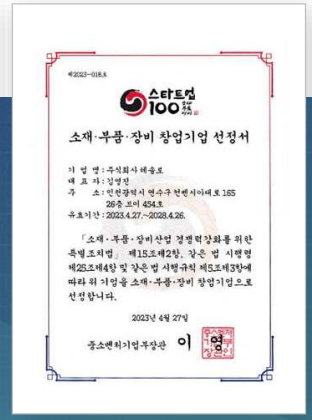
- 06 Selected for the NVIDIA Inception Program
- 09 Official Partner of the Robotic Origami Grand Challenge (BitRobot)
- 10 Humanoid Robotics Industry Awards 2025 Finalist
- 10 Selected for the 14th KES Innovation Awards

Awards and Recognitions

Tesollo focuses on solving complex challenges and creating new value
for customers through advanced robotics automation solutions utilizing robotic grippers.

- CES 2025 Innovation Award Winner
- Selected as a 'First Penguin Company' by Korea Credit Guarantee Fund
- Selected for the '2024 Robot World Award' in the Robotics Parts and Components category
- Selected for LX Pantos Open Innovation program
- Selected as one of the top 100 startups in materials, parts, and equipment
- Selected as the Excellent Product of the Year at the '2022 Robot World Award‘
- Obtained ISO9001:2015 quality management system certification
- EC Declaration of Conformity





Chapter 02

Delto Gripper Line

TESOLLO®

Business Area

TESOLLO

***Tesollo** is based on core technologies in the robot end-effector sector.*
We are focusing on the development of robot grippers.

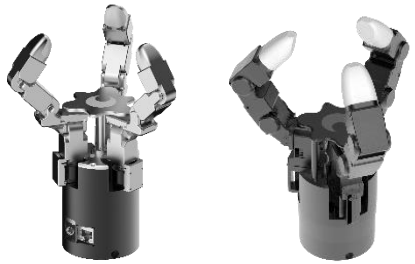
TESOLLO

Delto Gripper Line

DG-5F
(MultiJoint Gripper)

DG-4F
(MultiJoint Gripper)

DG-3F (DG-3F-M, DG-3F-B)
(MultiJoint Gripper)



DG-2F
(MultiJoint Gripper)

DG-1F
(MultiJoint Gripper)

Product

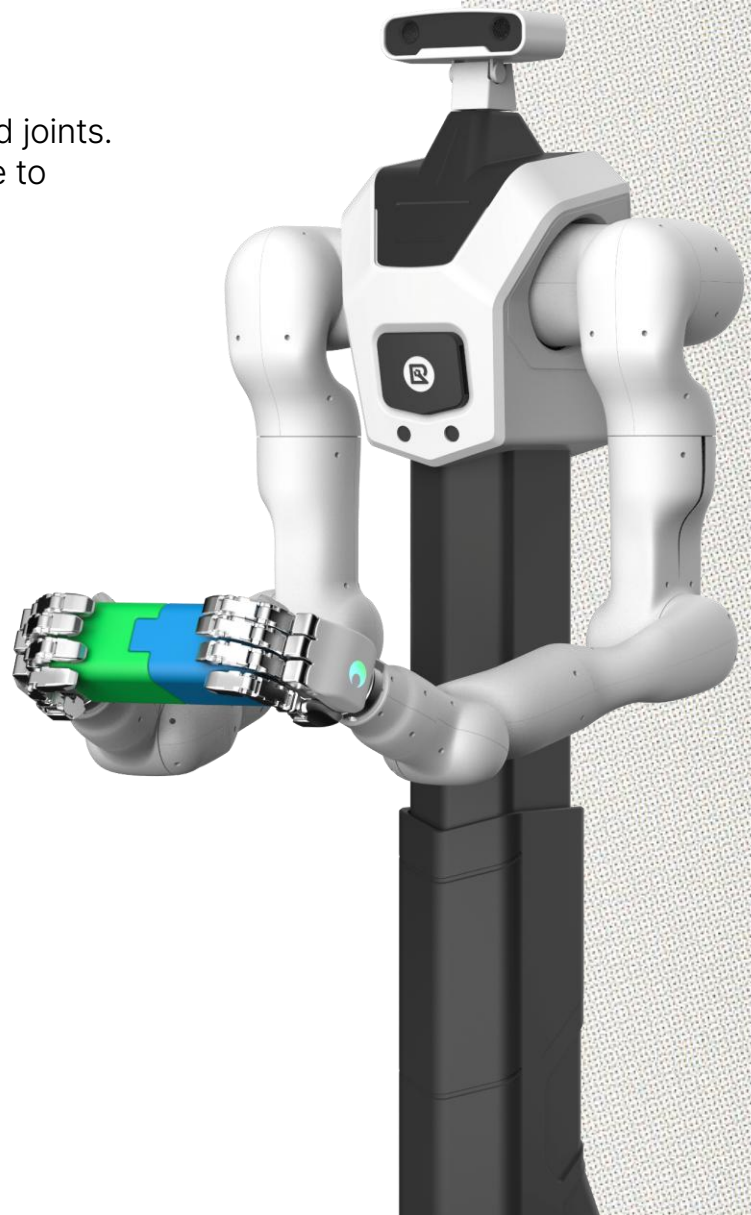
DELTO GRIPPER DG-5F

A robot hand capable of human-level grasping/manipulation

The robot hand, similar in size to an adult male's hand, is composed of 20 independently controlled joints. It is suitable for tasks such as tool handling and object assembly/disassembly, making it applicable to research institutions and various industries.

Specification

Motor Type	BLDC Motor
Power Supply	24[V]
Current Consumption	Max. 10[A]
Communications	Modbus(RTU, TCP), EtherNET(TCP/IP)
Control Cycle	250Hz
Encoder	Absolute encoder
DoF	20 (4DoF/Finger)
Stall torque (Joint)	2 [Nm]
Rated torque (Joint)	0.4 [Nm]
No-Load Speed of Each Joint	75 [rpm]
Pinching Payload (Rated, Max)	2.5, 5 [kg]
Envelop Payload (Rated, Max)	10, 20 [kg]
Weight	1,763 [g]



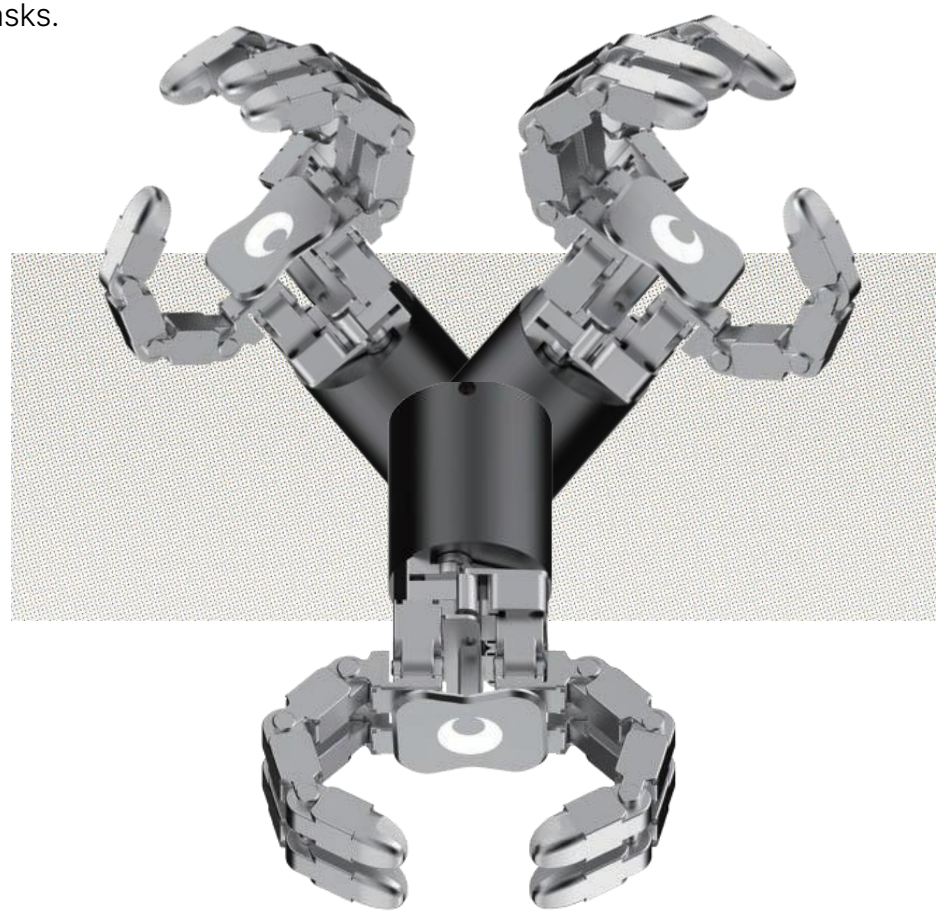
Product

DELTO GRIPPER DG-4F

A gripper that combines both humanoid hand and gripper functions.
This model features a flexible design that can transform its shape and includes the functions of a left hand, right hand, and gripper.
It can securely grasp objects made of various materials and shapes, and it is also capable of tool handling tasks.
This makes it suitable for automating processes that involve a mix of picking and assembly operations.

Specification

Motor Type	BLDC Motor
Power Supply	24[V]
Current Consumption	Max. 10[A]
Communications	Modbus(RTU, TCP), EtherNET(TCP/IP)
Control Cycle	333Hz
Encoder	Absolute encoder
DoF	18 (4,5DoF/Finger)
Stall torque (Joint)	2 [Nm]
Rated torque (Joint)	0.4 [Nm]
No-Load Speed of Each Joint	75 [rpm]
Pinching Payload (Rated, Max)	3, 5 [kg]
Envelop Payload (Rated, Max)	10, 20 [kg]
Weight	1,494 [g]

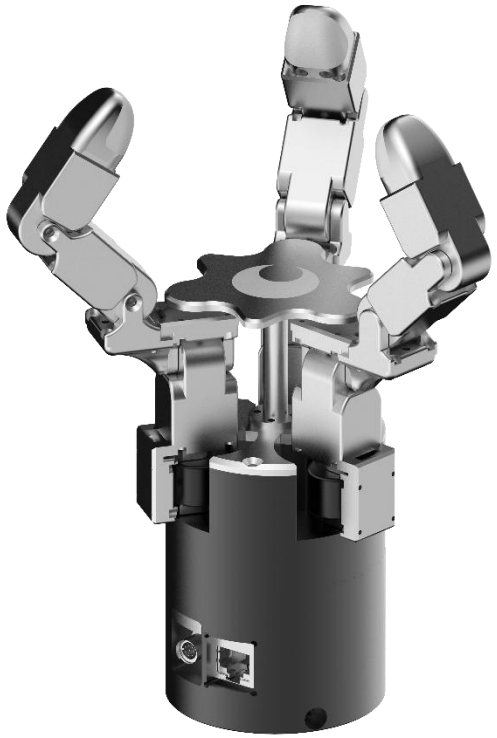


Product

DELTO GRIPPER DG-3F-M

Advanced 3-Finger Robot Gripper with Modular Design

A three-finger, twelve-joint gripper with a modular structure for easy maintenance.
Compared to the DG-3F-B model, it offers enhanced durability and performance,
enabling precise handling of various objects.
Ideal for smart factories, including manufacturing, logistics automation, and services.



Specification

Motor Type	BLDC Motor
Power Supply	24[V]
Current Consumption	Max. 10[A]
Communications	Modbus(RTU, TCP), EtherNET(TCP/IP)
Control Cycle	333Hz
Encoder	Absolute encoder
DoF	12 (4DoF/Finger)
Stall torque (Joint)	2 [Nm]
Rated torque (Joint)	0.4 [Nm]
No-Load Speed of Each Joint	75 [rpm]
Pinching Payload (Rated, Max)	2.5, 5 [kg]
Envelop Payload (Rated, Max)	10, 15 [kg]
Weight	1,114 [g]

Product

DELTO GRIPPER DG-3F-B

Basic Model of the Multi-Joint Delto Gripper

A three-finger, twelve-joint gripper designed for stable gripping of diverse objects.
Supports control algorithm testing and is suitable for research, manufacturing, logistics, and services.
Perfect for function validation and initial deployment.

Specification

Power Supply	24[V] DC
Current Consumption	Max. 10[A]
Communications	Modbus (RTU, TCP)
Control Cycle	400HZ
Encoder	Absolute encoder
DoF	12 (4DoF/Finger)
Stall torque (Joint)	0.92 [Nm]
Rated No-load Speed (Joint)	65 [rpm]
Maximum Gripping Weight (Pinching)	2.5 [kg]
Maximum Gripping Weight (Envelop)	5 [kg]
Weight	1,044 [g]
Ambient Temperature	-20 - +50°C
Ambient Humidity	60% or less

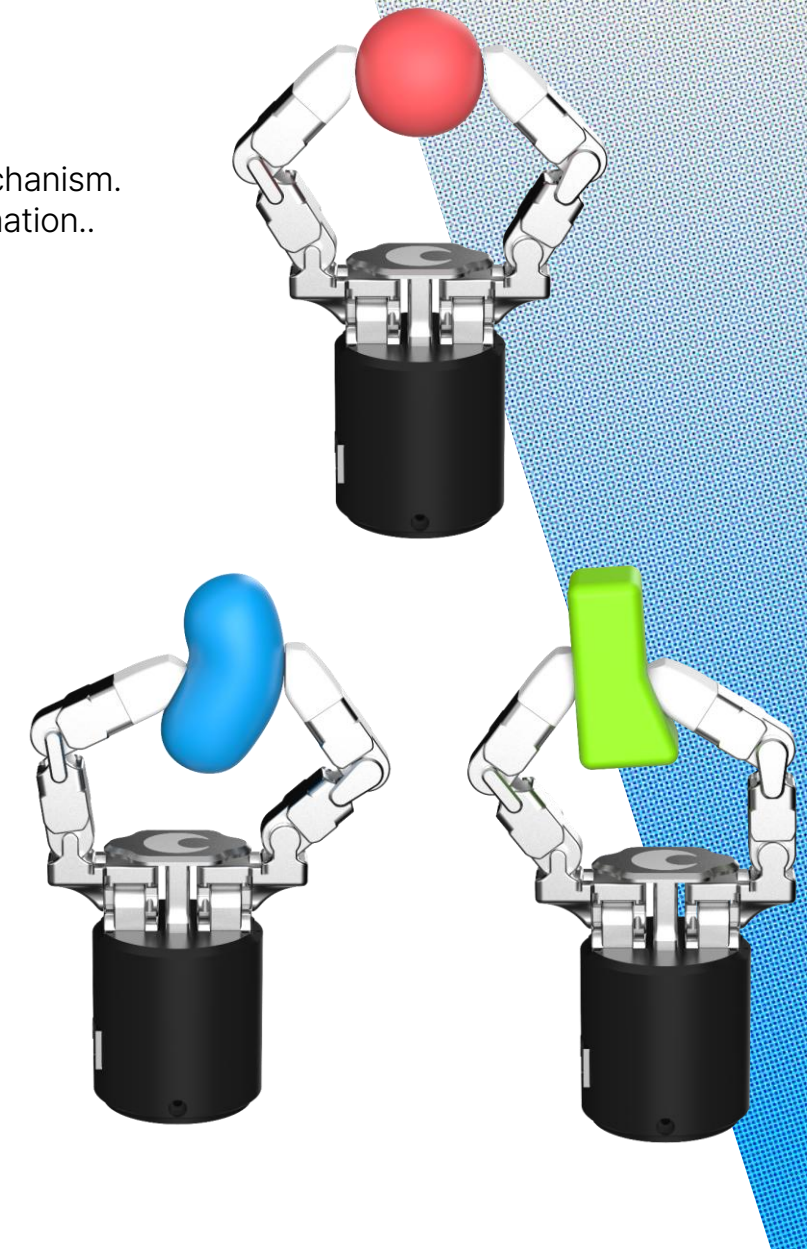
Product

DELTO GRIPPER DG-2F

A multi-joint two-finger gripper engineered for precise handling of diverse objects.
It is optimized for repetitive precision tasks, capable of securely lifting up to 4 kg with a pinching mechanism.
With its 6-DoF structure, it adapts easily to various object shapes, making it ideal for industrial automation..

Specification

Motor Type	BLDC Motor
Power Supply	24[V]
Current Consumption	10 [A]
Communications	Modbus(RTU, TCP), EtherNET(TCP/IP)
Control Cycle	500Hz
Encoder	절대 엔코더
DoF	6 (3DoF/Finger)
Stall torque (Joint)	2 [Nm]
Rated torque (Joint)	0.4 [Nm]
No-Load Speed of Each Joint	75 [rpm]
Pinching Payload (Rated, Max)	2.5, 4 [kg]
Envelop Payload (Rated, Max)	5, 10 [kg]
Weight	770 [g]



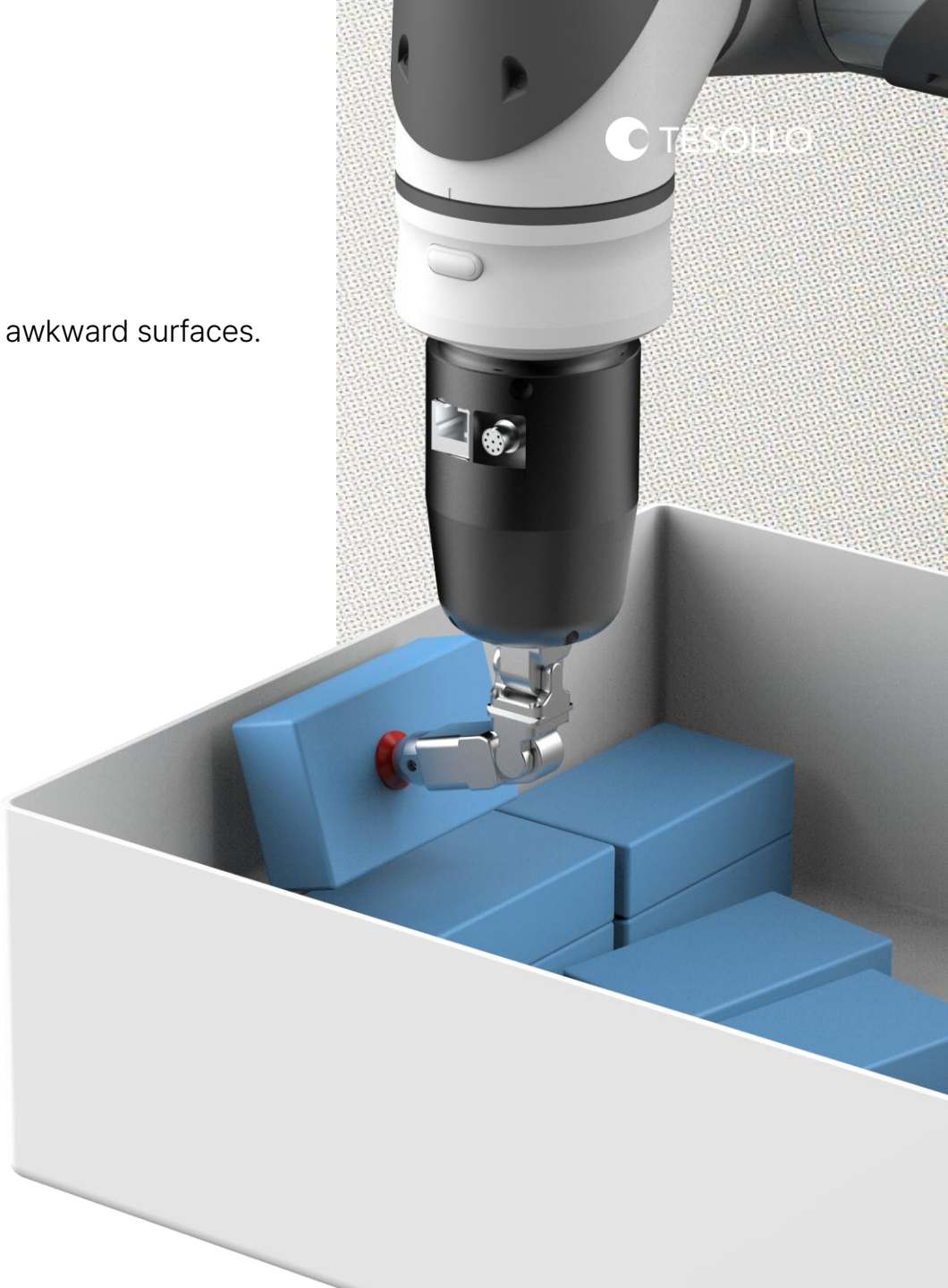
Product

DELTO GRIPPER DG-1F

A vacuum gripper designed with extra pad freedom to reduce environmental interference.
Combining 3-DoF motion and suction fingertips enables stable gripping even on uneven or awkward surfaces.
It offers an efficient solution for vacuum handling, piece-picking, and other precision tasks.

Specification

Motor Type	BLDC Motor
Power Supply	24[V]
Current Consumption	6 [A]
Communications	Modbus(RTU, TCP), EtherNET(TCP/IP)
Control Cycle	1,000Hz
Encoder	Absolute encoder
DoF	3
Stall torque (Joint)	2 [Nm]
Rated torque (Joint)	0.4 [Nm]
No-Load Speed of Each Joint	75 [rpm]
Weight	710 [g]



Chapter 03

Delto Gripper Application Examples

TESOLLO®

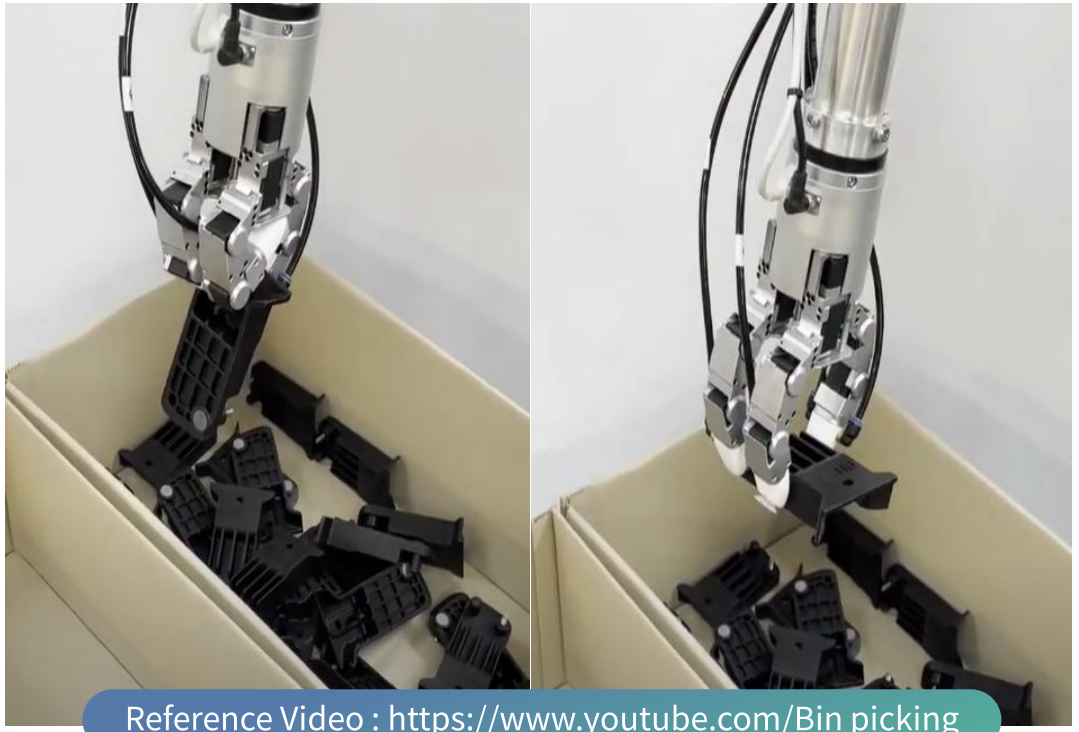
Bin Picking

TESOLLO®

As Is

It requires a lot of time and labor as each object is manually inspected and picked by a person.

▷▷▶ To Be



Reference Video : https://www.youtube.com/Bin picking

The adaptive Delto Gripper that expertly recognizes and picks objects from a box using a variety of grip modes.

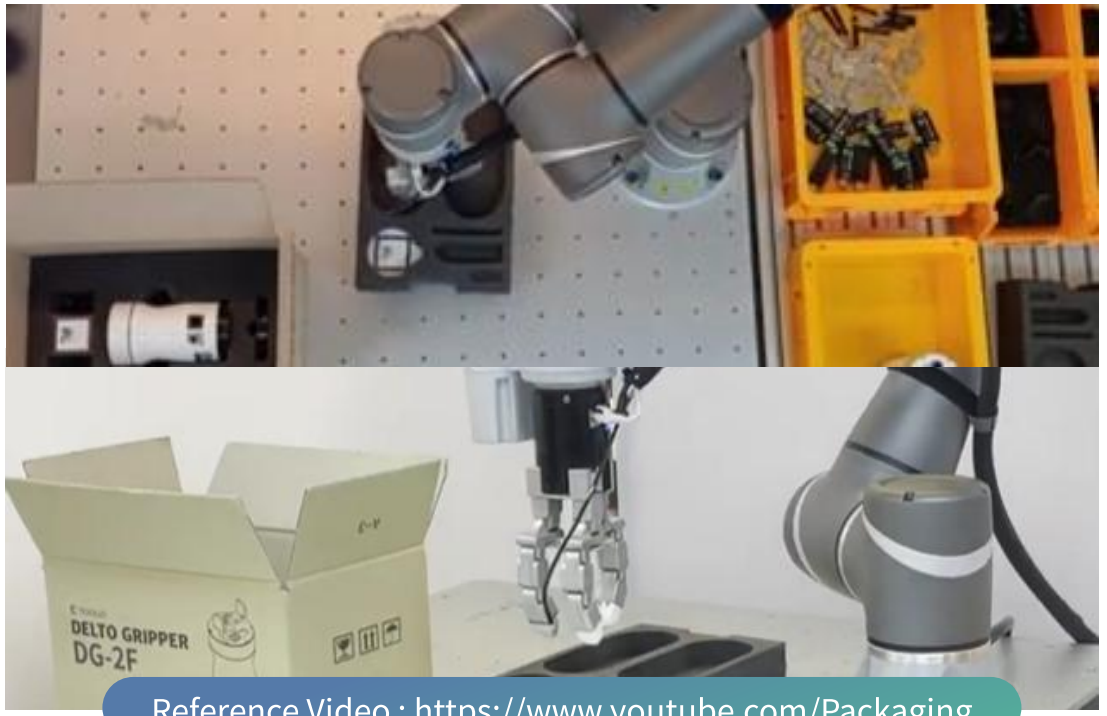
Packaging

TESOLLO®

As Is

It requires a lot of time and labor
as each product is manually packaged by a person.

▷▷▶ To Be



Reference Video : https://www.youtube.com/Packaging

**It can grasp and package various shapes
with stability, adaptability, and reliable performance.**

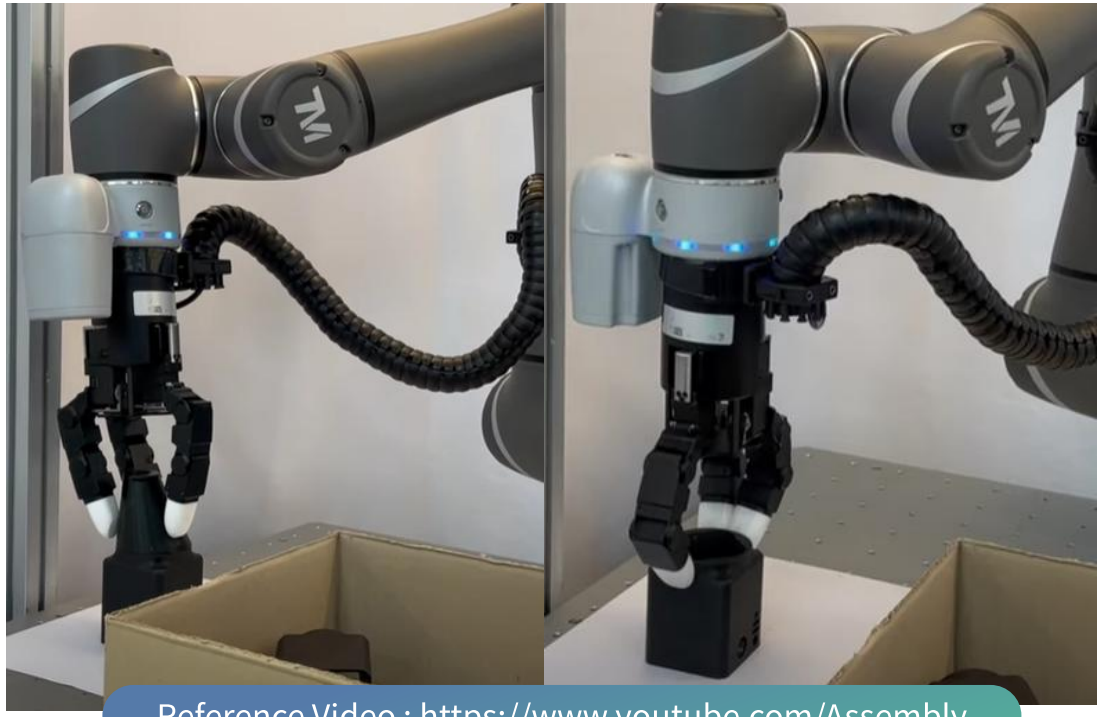
Assembly

TESOLLO®

As Is

It requires a lot of time and labor
as each assembly is done manually by a person.

▷▷▶ To Be



Reference Video : https://www.youtube.com/Assembly

The adaptive Delto Gripper capable of handling and assembling variously shaped objects.

Additional Examples

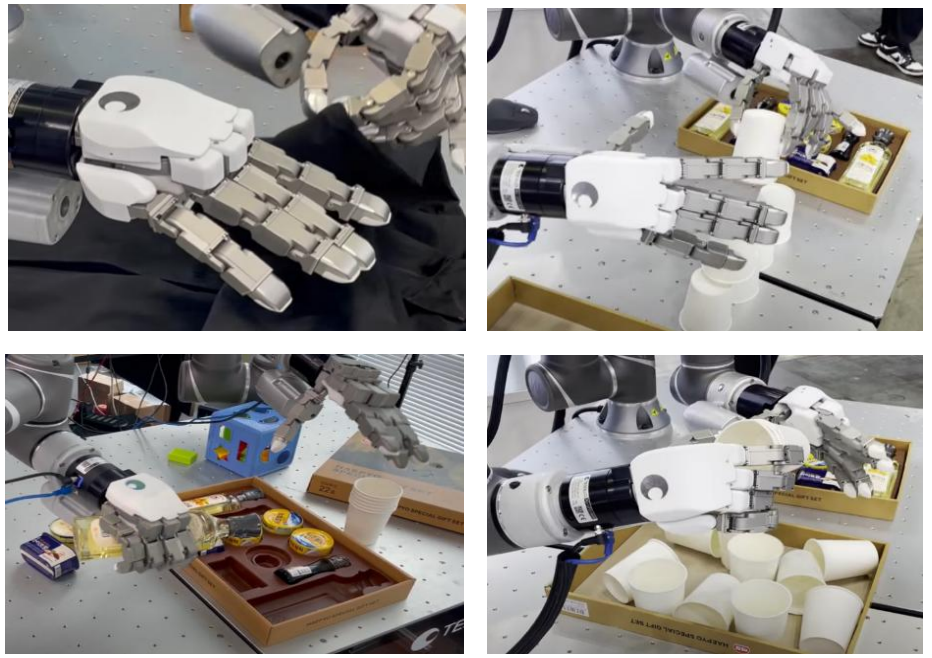
TESOLLO®

Pick and place

Reference Video : https://www.youtube.com/Pickandplace

The Delto Gripper performs flawless pick-and-place operations, even with plastic bags that conventional grippers struggle to handle.

High-Dexterity Robotic Hand



Reference Video : https://www.youtube.com/RoboticHand

It effectively mimics human hand movements and performs various tasks, making it ideal for advanced humanoid research.

Make robot more valuable via Robotic End of Device (EOAT)

TESOLLO

Tesollo Inc.

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