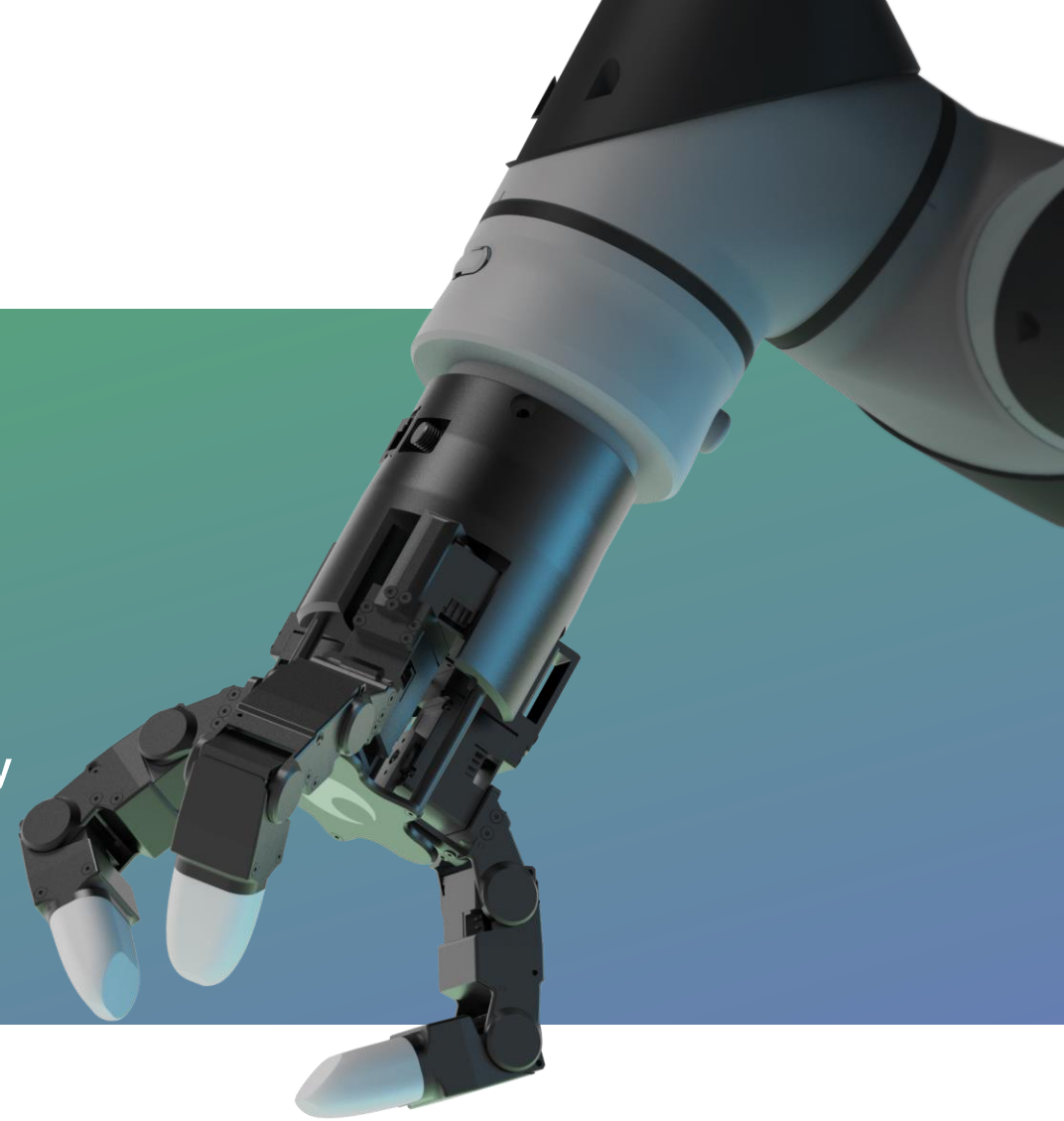




The End-Effector and Robot Automation System Specialized company



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

TESOLLO www.tesollo.com

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About TESOLLO



About 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.	Selection project	Korea's top 100 startups, Top 1000 technology startups in Korea
Representative	Young-jin Kim	Number of employees	23
Business Areas	Manufacturing/Software	Contact Number	+82-2-6914-6620
Major Business	Development of robot gripper & Development of robot integrated solution	Email	support@tesollo.com
Certification	Venture company, corporate research institute, materials/parts/equipment specialist, ISO 9001:2015 certified	YouTube	https://www.youtube.com/@TESOLLO
Headquarters Location	Songdo, Incheon Metropolitan City, Republic of Korea	LinkedIn	https://kr.linkedin.com/company/tesollo-inc
Branch Location	GIDC, 43 Iljik-ro, Gwangmyeong-si, South Korea	TESOLLO®	https://en.tesollo.com/

Company History

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)

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

2020.

- 07 Established Corporate Research Institute

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

Company History

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

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

2025.

- 01 CES 2025 Innovation Award Winner
- 01. Selected for Samsung C-Lab Outside

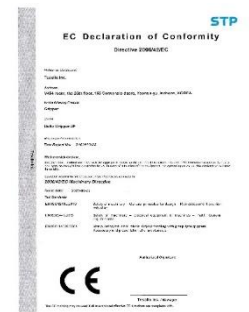
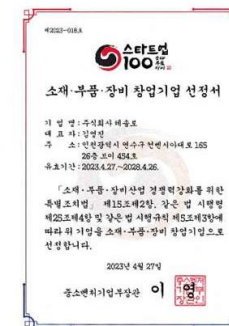
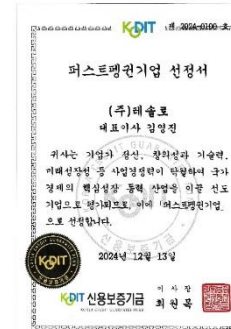
2024.

- 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

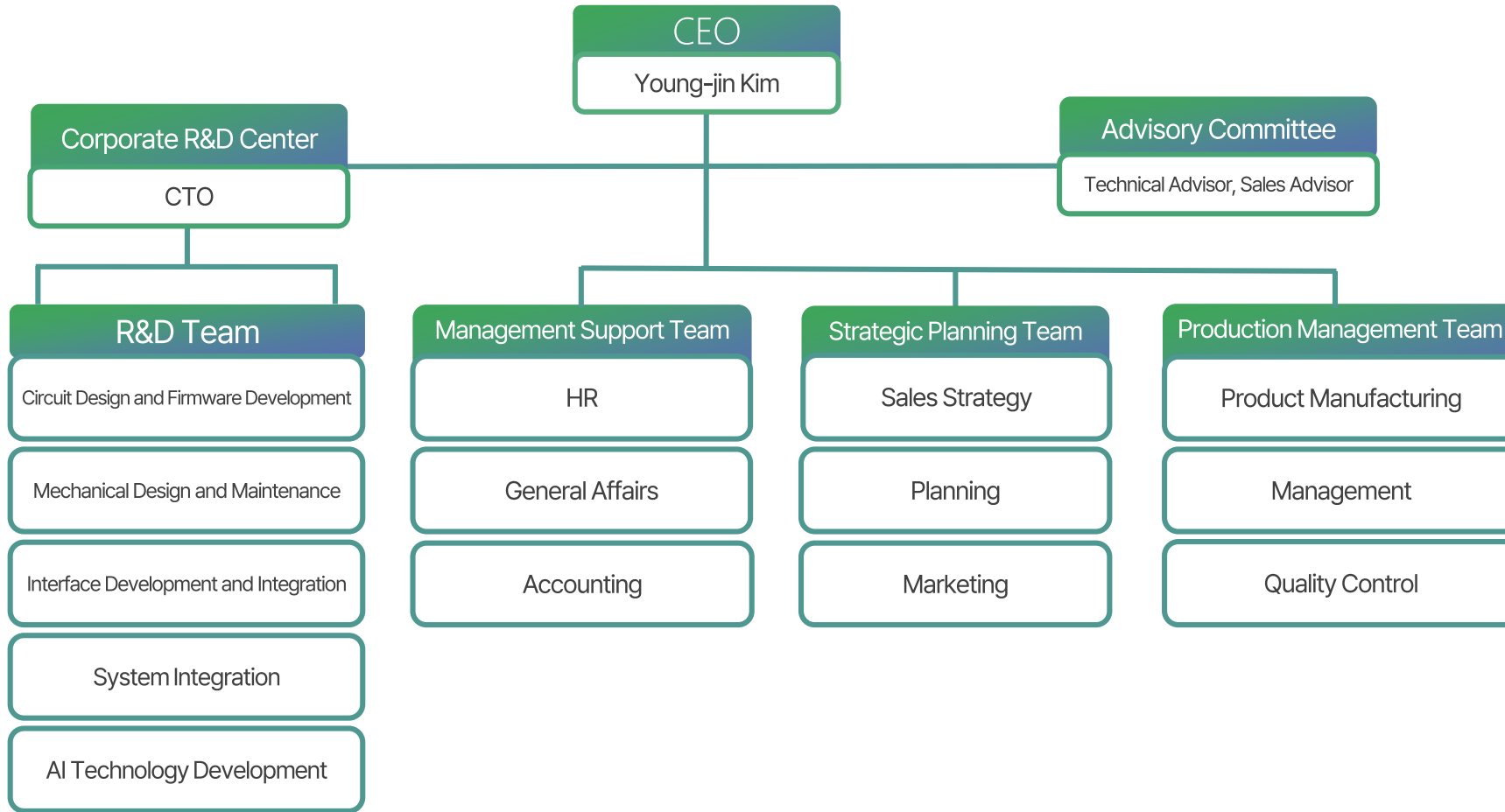
Awards and Recognitions

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



ORGANIZATION



Youngjin Kim

CEO / Founder

Business Operations Head at Tesollo

Master's Degree in Robotics, UST
Former Member,
Robot Industry Technology Roadmap Committee
Former Private Member,
National Industry-Academia-Research Committee
Former Researcher, KITECH
Former URA at Yonsei Univ.

Wooseok Ryu

CTO / Ph.D. in Engineering

Chief Technology Officer at Tesollo

Ph.D. in Mechanical Engineering, Yonsei Univ.
Visiting Professor, Robotics, Hanyang Univ.
Former Researcher, KIST
Former Assistant Professor, Hanyang Univ.

Joongon Choi

Senior Researcher

Robot Ai System Development

Master's in Medicine from Yonsei Univ.
Former Research Assistant at ETH Zurich
Former URA at Korea Institute of Industrial Technology

Jeongseon Lim

Senior manager

Online Marketing Specialist

Former SNS Marketing Manager at Sunmyung Tech
Former Advertising Marketer at Review Place
Former Influencer Marketing Specialist at S&A Entertainment

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Delto Gripper Product Line



Business Area

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

Delta Gripper Line



DG-5F
(Multi Joint Gripper)



DG-4F
(Multi Joint Gripper)



DG-3F
(Multi Joint Gripper)



DG-2F
(Parallel Gripper)



DG-V
(Vacuum Gripper)



Product

DELTO GRIPPER DG-5F

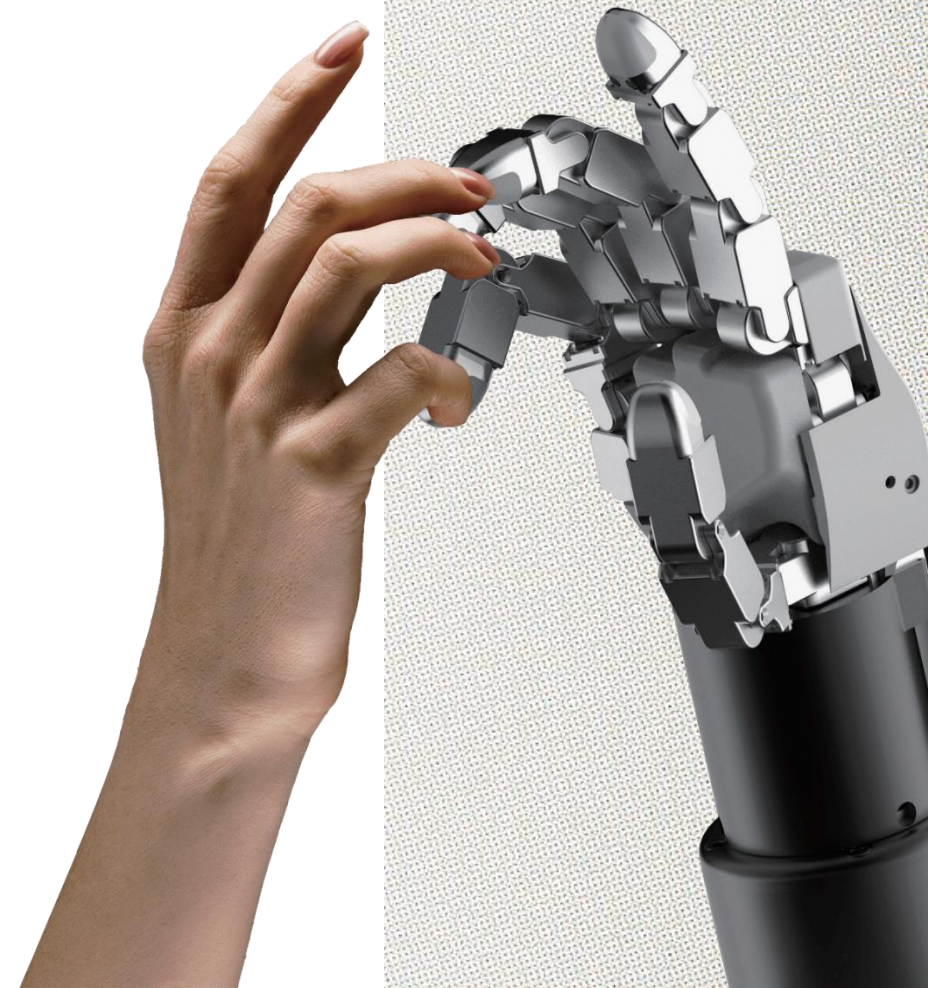
A robot hand capable of human-level grasping/manipulation

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

Power Supply	24[V] DC
Current Consumption	Max. 10[A]
Communications	Modbus (RTU, TCP)
Control Cycle	400HZ
Encoder	Absolute encoder
DoF	20 (4DoF/Finger)
Rated Torque(Joint)	6.5 [kg-cm]
Rated Speed (Joint)	65 [rpm]
Maximum Gripping Weight(Pinching)	3 [kg]
Maximum Gripping Weight(Envelop)	10 [kg]
Weight	1450 [g]
Ambient Temperature	-5 - +60°C
Ambient Humidity	60% or less



Product

DELTO GRIPPER DG-4F

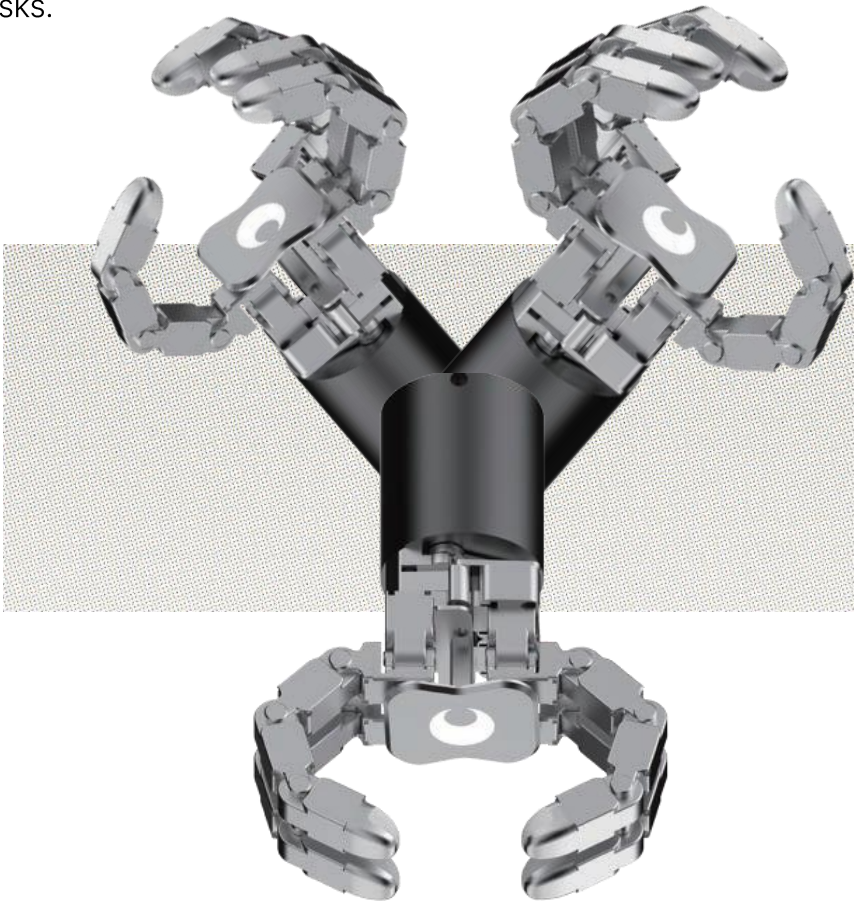
A gripper that combines both humanoid hand and gripper functions.

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

Power Supply	24[V] DC
Current Consumption	Max. 10[A]
Communications	Modbus (RTU, TCP)) I/O
Control Cycle	400HZ
Encoder	Absolute encoder
DoF	18 (4,5DoF/Finger)
Rated Torque(Joint)	6.5 [kg-cm]
Rated Speed (Joint)	65 [rpm]
Maximum Gripping Weight(Pinching)	2.5 [kg]
Maximum Gripping Weight(Envelop)	10 [kg]
Weight	1400 [g]
Ambient Temperature	-5 - +60°C
Ambient Humidity	60% or less



Product

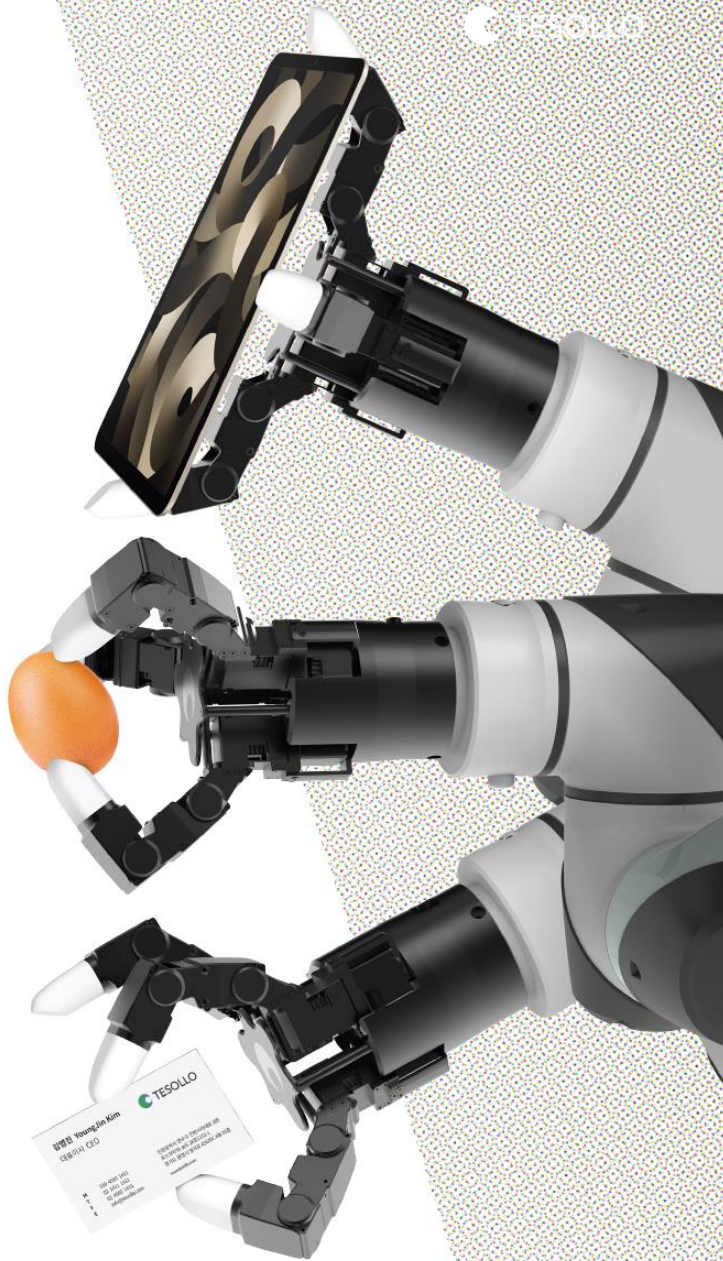
DELTO GRIPPER DG-3F

DG-3F is the most advanced robotic gripper in Commercialized robot.
This model is suitable for handling objects of various materials and shapes with 3 fingers and 12 joints.
It can be used universally in the research institute,
smart factory-oriented manufacturing industry and the logistics automation and service industries.



Specification

Power Supply	24[V] DC
Current Consumption	Max. 10[A]
Communications	Modbus (RTU, TCP) I/O
Control Cycle	400HZ
Encoder	Absolute encoder
DoF	12 (4DoF/Finger)
Rated Torque(Joint)	6.5 [kg-cm]
Rated No-load Speed (Joint)	65 [rpm]
Maximum Gripping Weight(Pinching)	2.5 [kg]
Maximum Gripping Weight(Envelop)	5 [kg]
Weight	1000 [g]
Ambient Temperature	-20 - +100°C
Ambient Humidity	60% or less



Product

DELTO GRIPPER DG-2F

DG-2F demonstrates strong performance even in the harshest environments. This model is suitable for reliably performing repeated tasks in harsh environments where oil vapor, moisture, and dust coexist. It is suitable for precise object transfer work in the food and beverage (F&B), biotech, information technology (IT), and electronics industries.



Specification

Power Supply	24[V] DC
Current Consumption	Max. 1-3[A]
Communications	Modbus (RTU, TCP/IP) I/O
Control Cycle	400HZ
Encoder	Absolute encoder
Motor	Electric BLDC
DoF	1 (Parallel Two Finger)
payload	1.5 / 3 / 4.5 [kg]
Gripping speed	7~125 [mm/s]
Weight	900 [g]
Ambient Temperature	-20 - +50°C
Ambient Humidity	90% or less (IP68)



Product

DELTO GRIPPER DG-V

DG-V is the simplest and most reliable gripper.
 This model is a vacuum suction type gripper that can be assembled from 1 to N pieces and is suitable for handling simple-shaped objects.
 It is suitable for simple object transfer tasks in industries such as logistics and manufacturing.



Specification

Power Supply	24V
Current Consumption	300mA
Communications	I/O
Gripe type	Vacuum suction
Sensor	Pneumatic sensor
Pipe connection diameter	Rc(RT) 1/4
Operating pressure	300hPa~1300hPa
Maximum operating frequency	10 cycle/sec
Response time	20ms or less
Ambient Humidity	-10°C ~ 50°C



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Delto Gripper Application Examples



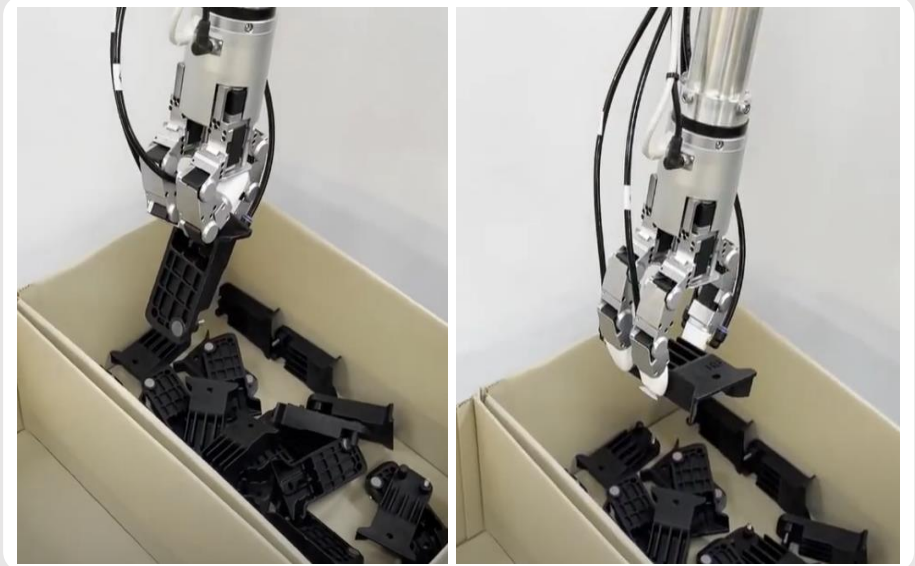
Bin Picking

Before



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

After



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

Packaging

Before

After



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



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

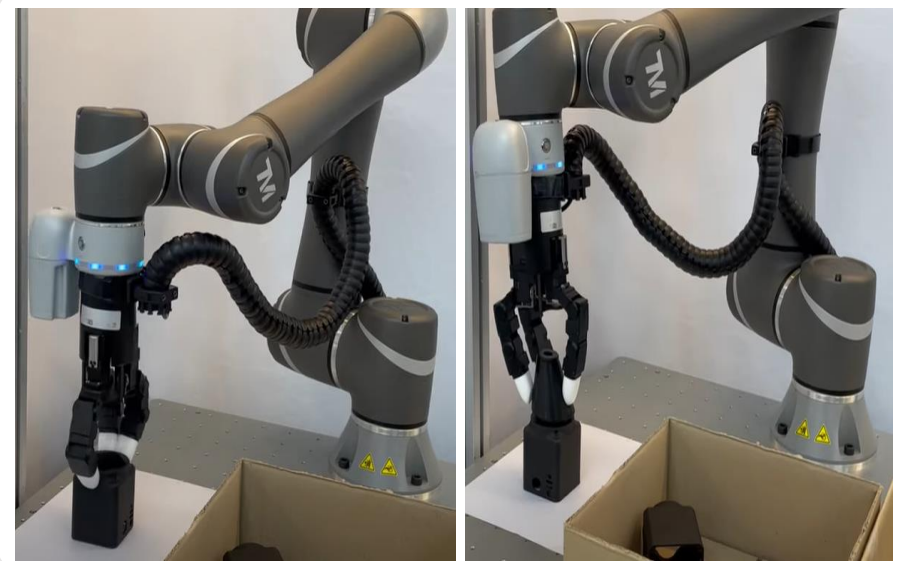
Assembly

Before

After



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



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

Additional Examples

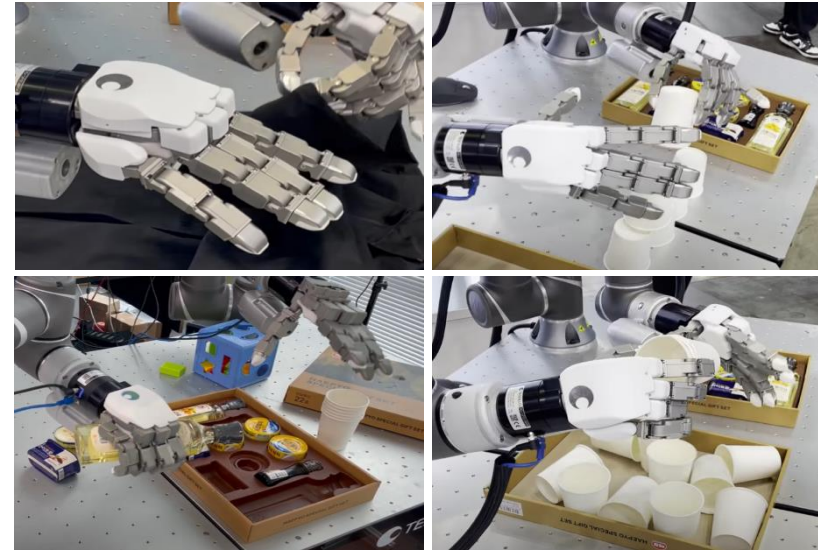
Pick and place



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

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

High-Dexterity Robotic Hand



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

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

Client & Partners



We have built expertise through diverse product supply and robotics automation, collaborating with leading research institutions to enhance our technology.

Client



Partners



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

Make robots more valuable!



Tesollo Inc.

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