

Aovita

OVERALL SOLUTIONS FOR ROBOTIC GRIPPING



Since **2000**

Jinan Aotto Technologies Co., Ltd.



Jinan Aotto Technologies Co., Ltd. was established in 2000 and is a wholly-owned subsidiary of Jinan Aotto Automation Co., Ltd. Adhering to the parent company's philosophy of "committed to innovation and pursuing excellence", adhering to the development strategy of "product leadership", focusing on **Aovita** robot intelligent grasping and **Aosaff** safety protection products, and dedicated to serving global automation integrators. The company has been recognized as a "high-tech enterprise", a "software enterprise", an "enterprise technology center" in Shandong Province, and has established the "Jinan Industrial Robot Engineering Technology Research Center". It now has nearly 40 invention patents and utility model patents, and has won several honorary titles such as Shandong Famous Trademark, Shandong Science and Technology Progress Award, Jinan Famous Trademark, Excellent Software Enterprise, and Jinan Innovative Enterprise.

Partner



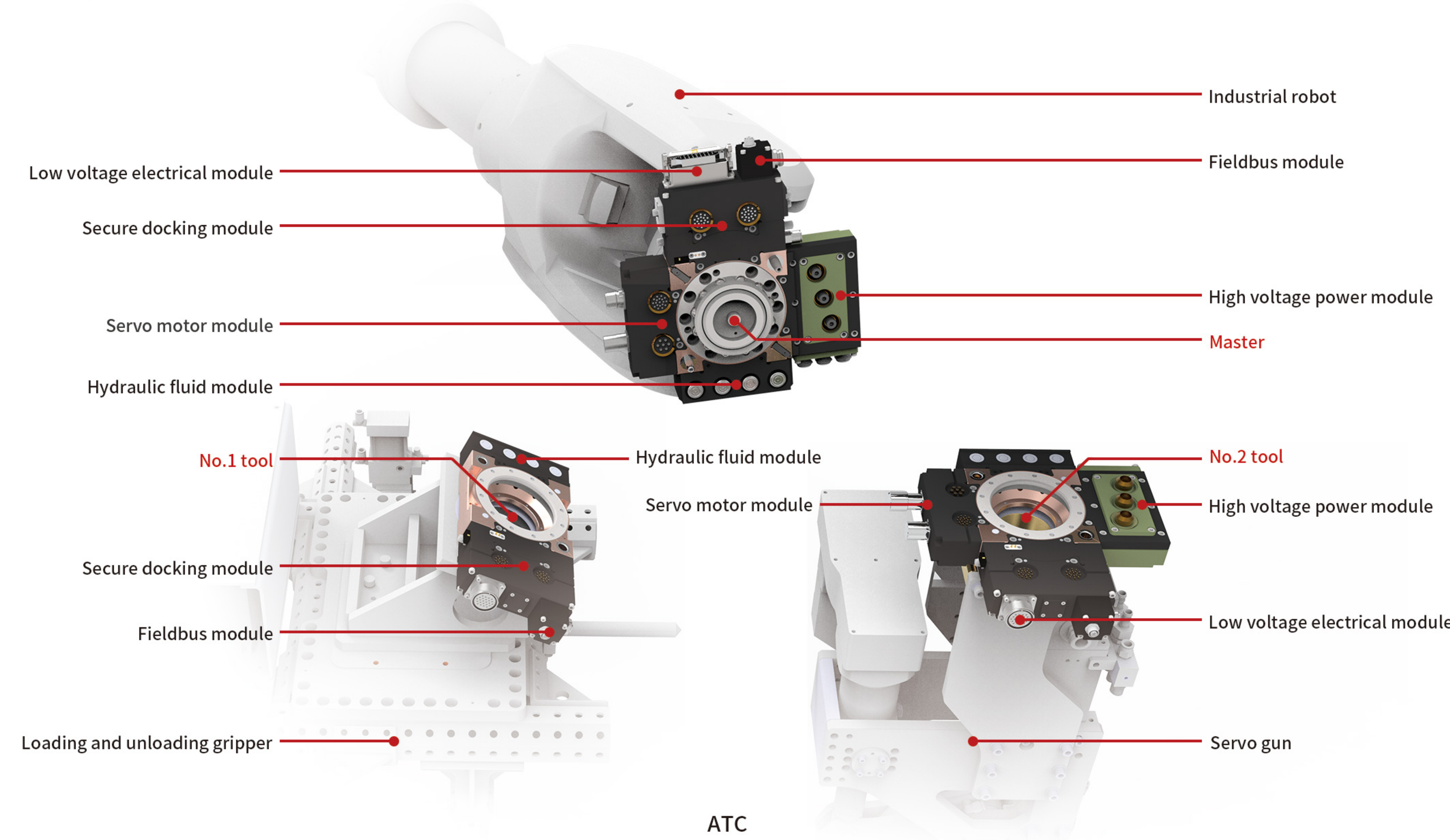
Part of Customer



AUTOMATION ROBOT TOOL CHANGERS

■ Product Introduction

Aovita automatic robot tool changer is able to providing the automatic changing of the executive tools for the robot, it is a combination of the main body and functional modules, the main body according to its mounting position is divided into the master adaptor (mounted on the robot) and tool adaptor (installed on the executive tool), the main body to perform the function of the tool load; Functional modules are installed at the main body, to provide the connection of the power, communication, compressed air, hydraulic and other medias, The modules divided to main adaptor module and tool adaptor module according to the installation position. Examples of product composition are as follows:



◆ **Duplicate** import brand

◆ **70%** cost reduction

◆ **7** days delivery

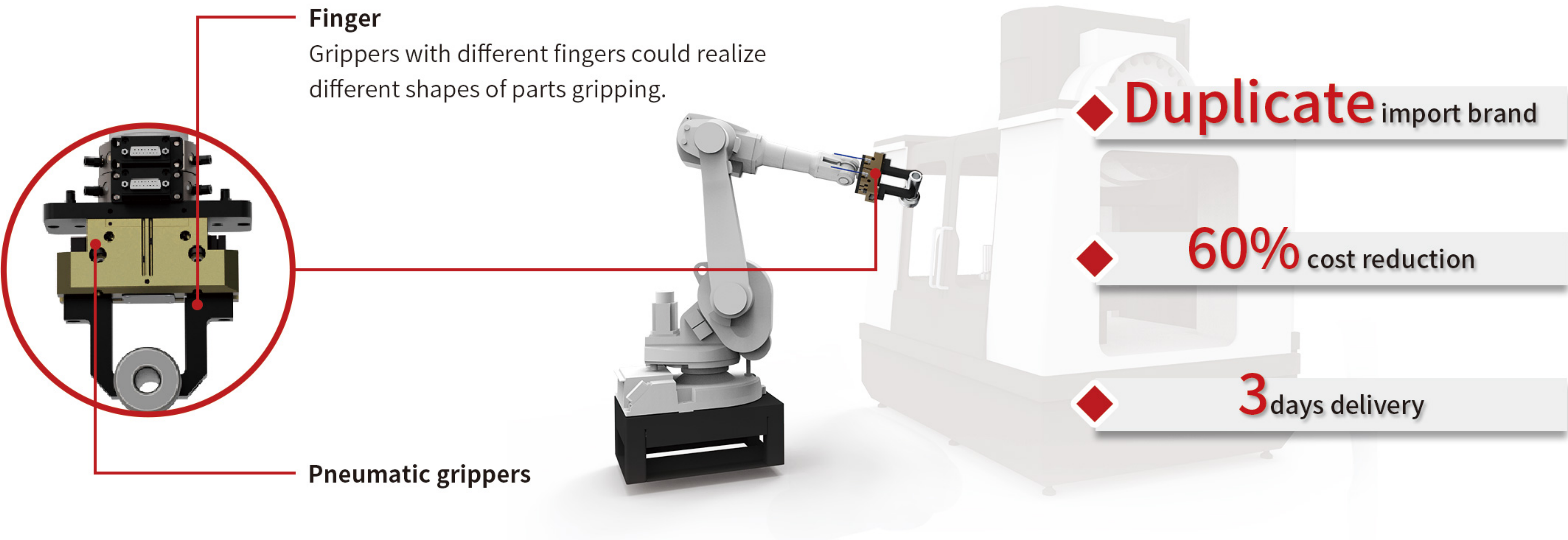
■ Product Series

Main load specification (Kg)	6	12	20	40	70	150	200	300	500	630	700
Types of functional modules	Low voltage electric module			Hydraulic fluid module		Servo motor module			High voltage power module		
	Air circuit module			Fieldbus module			Secure docking module				

GRIPPERS

■ Product Introduction

Aovita grippers installed at the end of the industrial arm to grip parts or the executing component. and can be used for different parts of handling and assembly. The robotic arm works with the gripper completely mimic the human arm.



■ Product Series

Aovita® Parallel Gripper

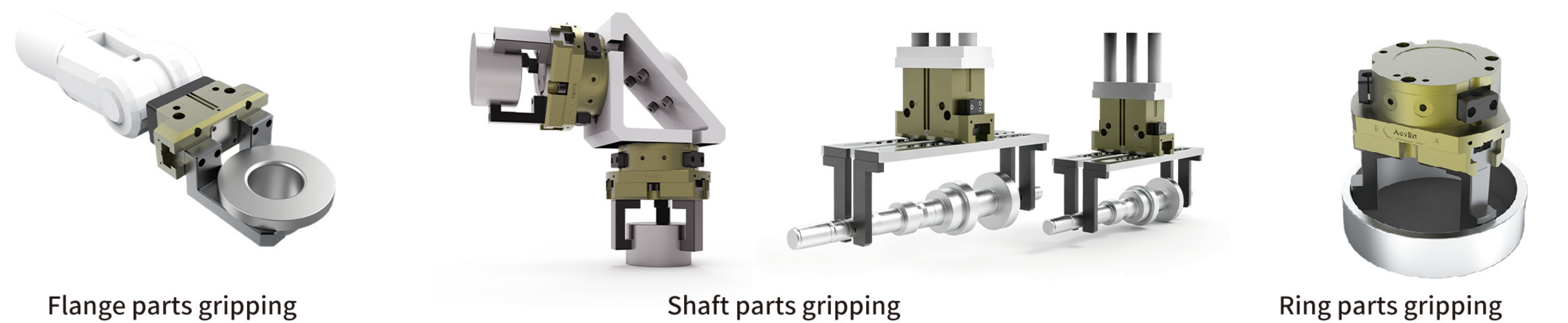
Model	Stroke per jaw [mm]	Gripping force (Closing) [N]	Gripping force (Opening) [N]	Workpiece weight [kg]
PET-64	6	200	240	1
	3	400	480	2
PET-80	8	400	450	2
	4	800	900	3.5
PET-100	10	700	750	3
	5	1300	1400	6
PET-125	13	1000	1100	5
	6	2000	2200	10
PET-160	16	1600	1700	8
	8	3200	3400	15
PET-200	25	2700	2800	13
	14	4500	4800	20
PET-240	30	4200	4400	20
	17	6400	6700	30
PET-300	35	6000	6200	30
	20	10000	10500	50

Aovita® Centric Grippers

Model	Stroke per jaw [mm]	Gripping force (Closing) [N]	Gripping force (Opening) [N]	Workpiece weight [kg]
PST-50	4	300	320	1.5
	2	600	640	2.8
PST-64	6	500	550	2.6
	3	900	1000	4
PST-80	8	1000	1080	5
	4	2000	2200	10
PST-100	10	1800	1900	9
	5	3600	3800	18
PST-125	13	3100	3200	15
	6	5600	6000	28
PST-160	16	6000	6200	30
	8	10000	11000	50
PST-200	25	7100	7500	35
	14	12000	13000	60
PST-240	30	9500	10000	50
	17	19000	20000	100

■ Application

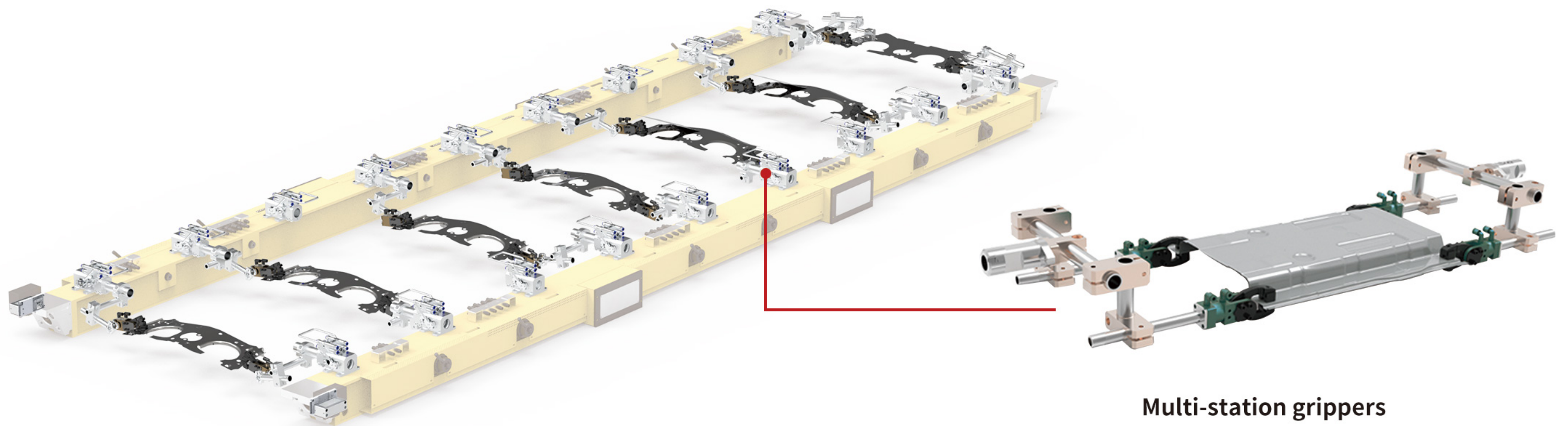
Aovita gripper products are suitable for machining, automobile parts, new energy, packaging, education and research industries for the handling and assembly of large and medium-sized parts and other application scenarios.



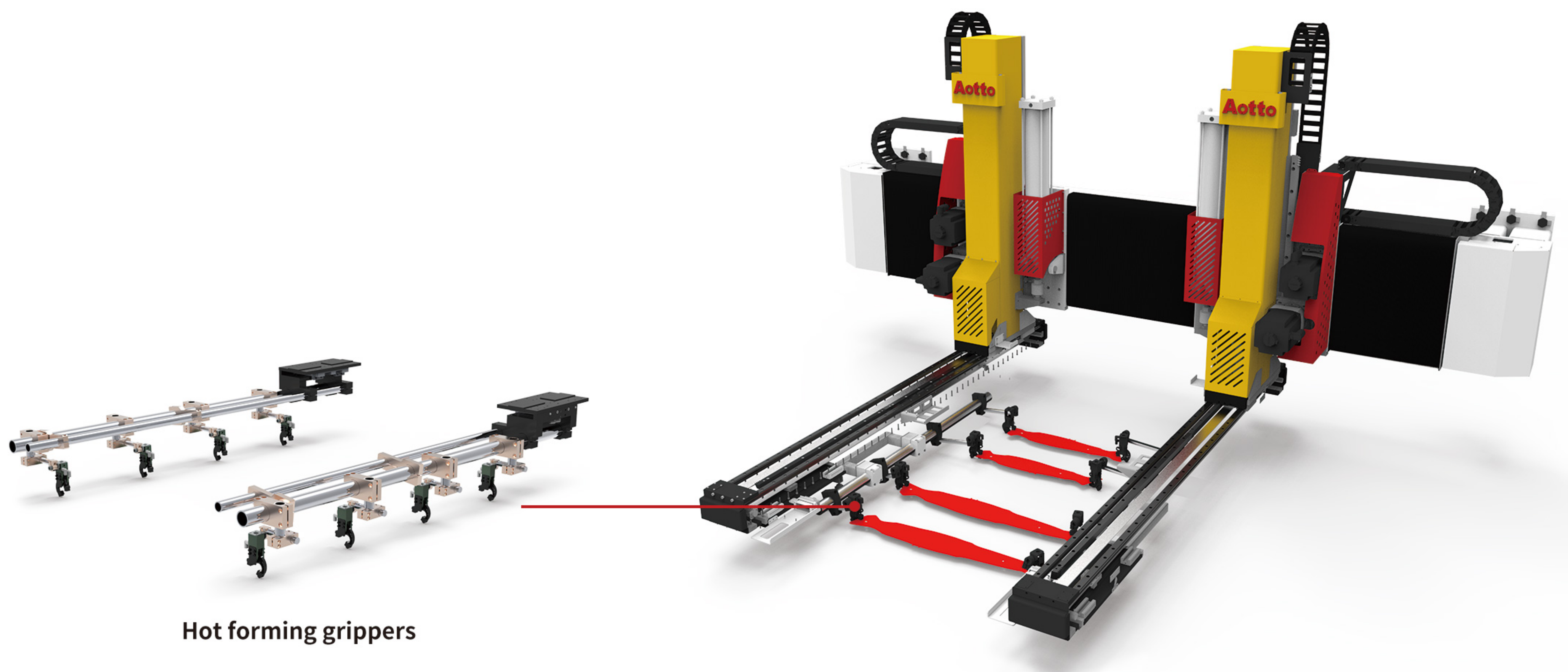
GRIPPERS

■ Application

Aovita grippers are suitable for production scenarios such as multi-station production lines, hot forming lines, and general industrial lines.



Multi-station grippers



Hot forming grippers

■ Product Display



◆ **20 years** of industrial experience

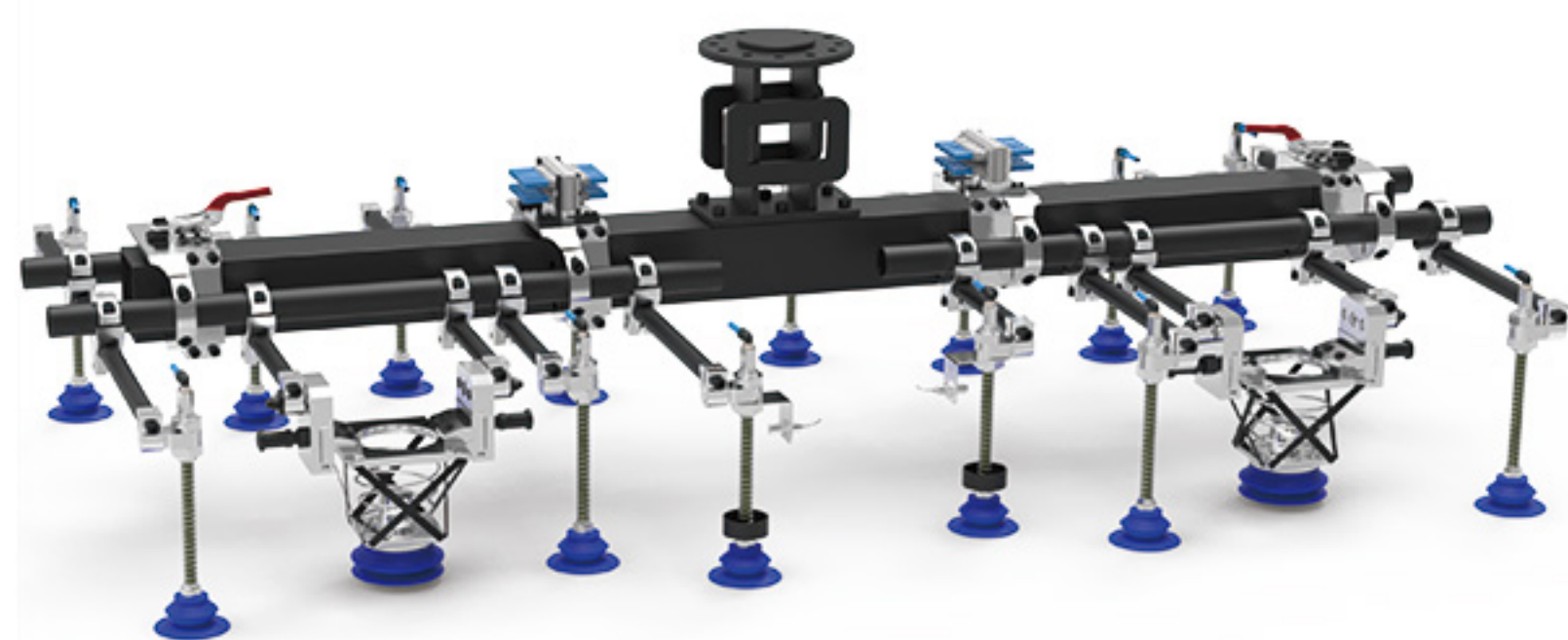
◆ Adapted to **different** production lines

◆ **7** day delivery

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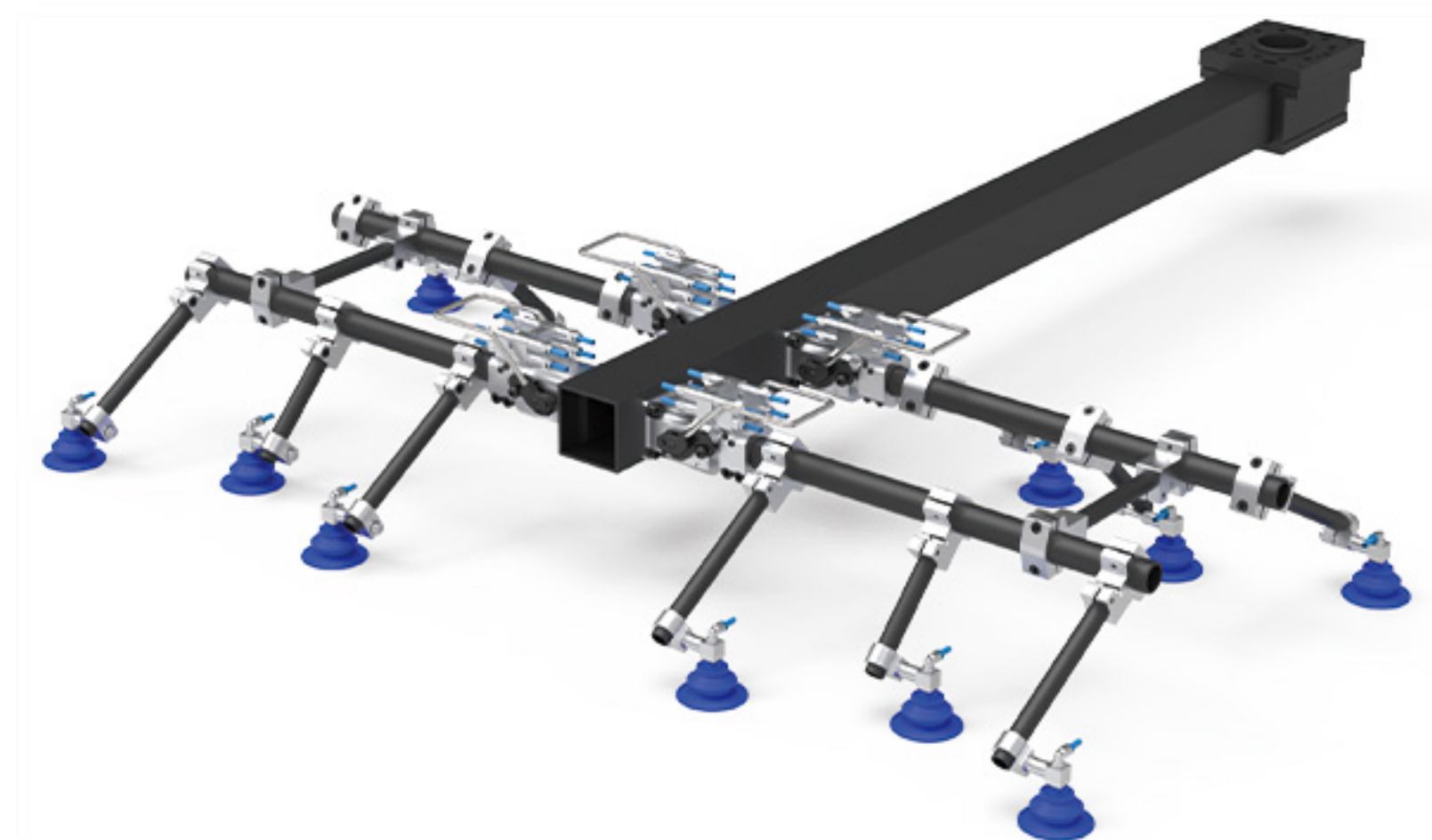
■ Application

Aovita tooling not only provides solutions from high-speed lines to general applications, but also can be changed with other domestic and foreign brands of stamping automated line matched tooling.



De-stacking tooling

Apply to stamping FOL, Using the vacuum to grip the metal sheet from the loading trolley and transfer to next phase. The tooling usually incorporates a double material detection sensor and anti- pressure sensor.



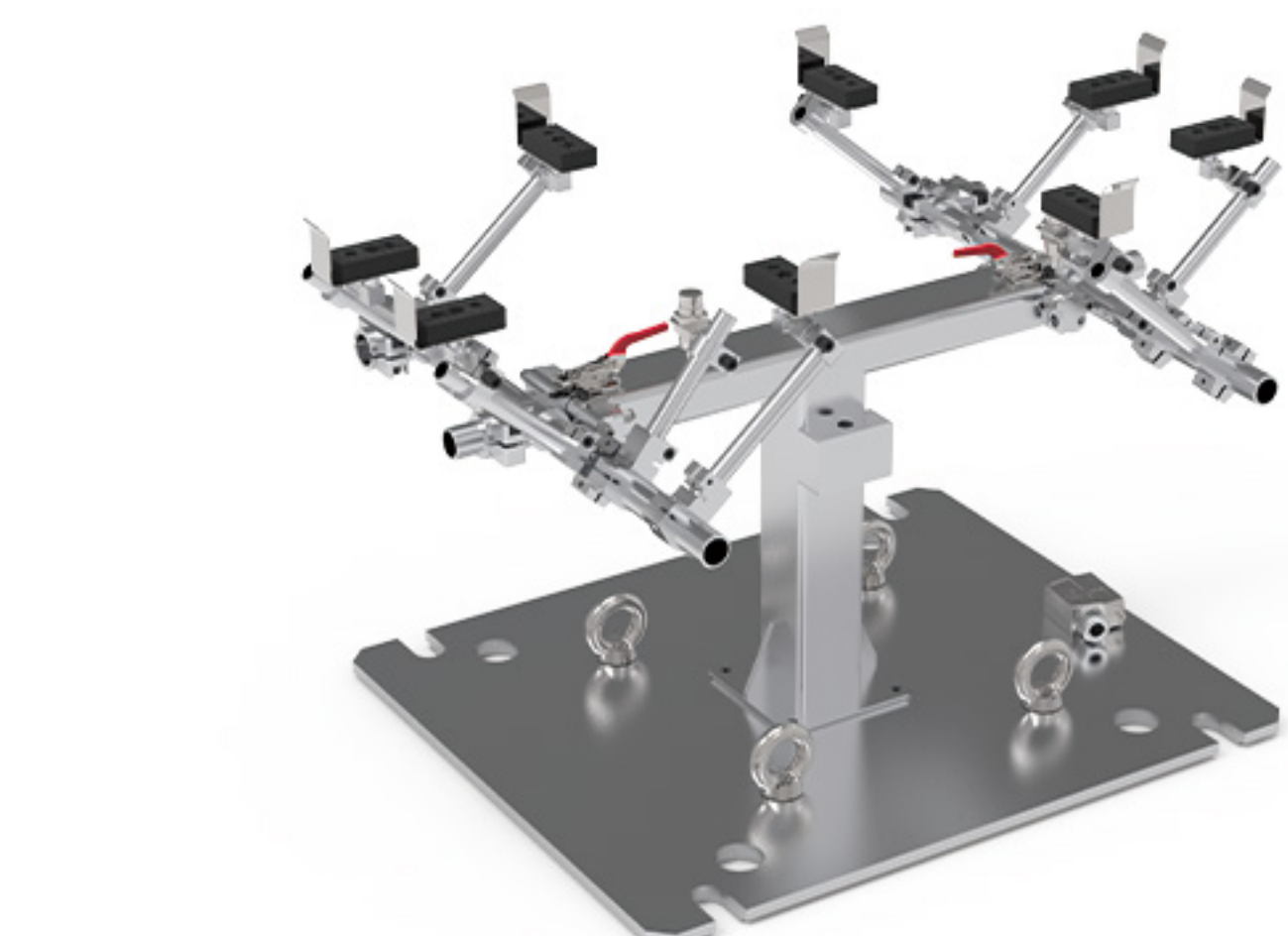
Robot loading | transfer tooling

Apply to medium and low speed transfer lines, to grip the irregular or porous parts by magnetic suctions.



Manipulator loading | transfer tooling

Apply to high speed transfer line (stroke > 12 spm).



Idle

Replacing the empty mold when press.

◆ Adapted to **different** production lines

◆ **20 years** of industrial experience

◆ **7** day delivery for standard products

ROBOTIC GRIPPING

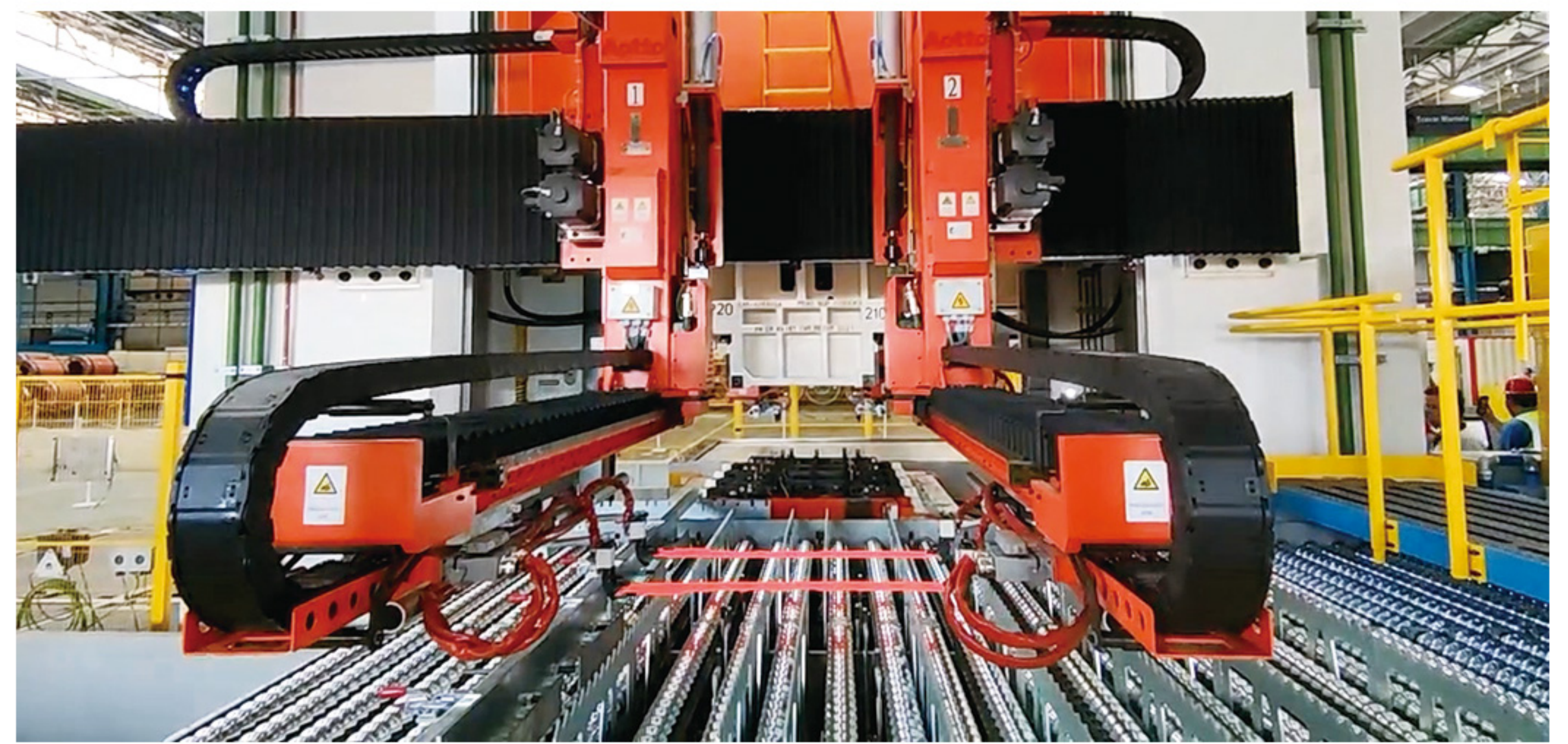
Industry Application

Jinan Aotto tooling department devoting to "Providing advanced automatic products and services to creating value for customers and society", and makes great efforts to develop **Aovita** intelligent gripping products.

Aovita team adhering to "Dedicating to innovation, pursuing excellence" concept, with "high reliability" to improve the automatic line efficiency, reducing maintenance costs; using economic products to help the customer to reduce the overall investment of equipment, and improved the automation popularity. We are fully provided a one-stop supply platform for intelligent gripping products, providing customers with robotic tool changers, vacuum products, gripper, magnetic products, pin grippers and overall intelligent gripping solutions.



Stamping Industry



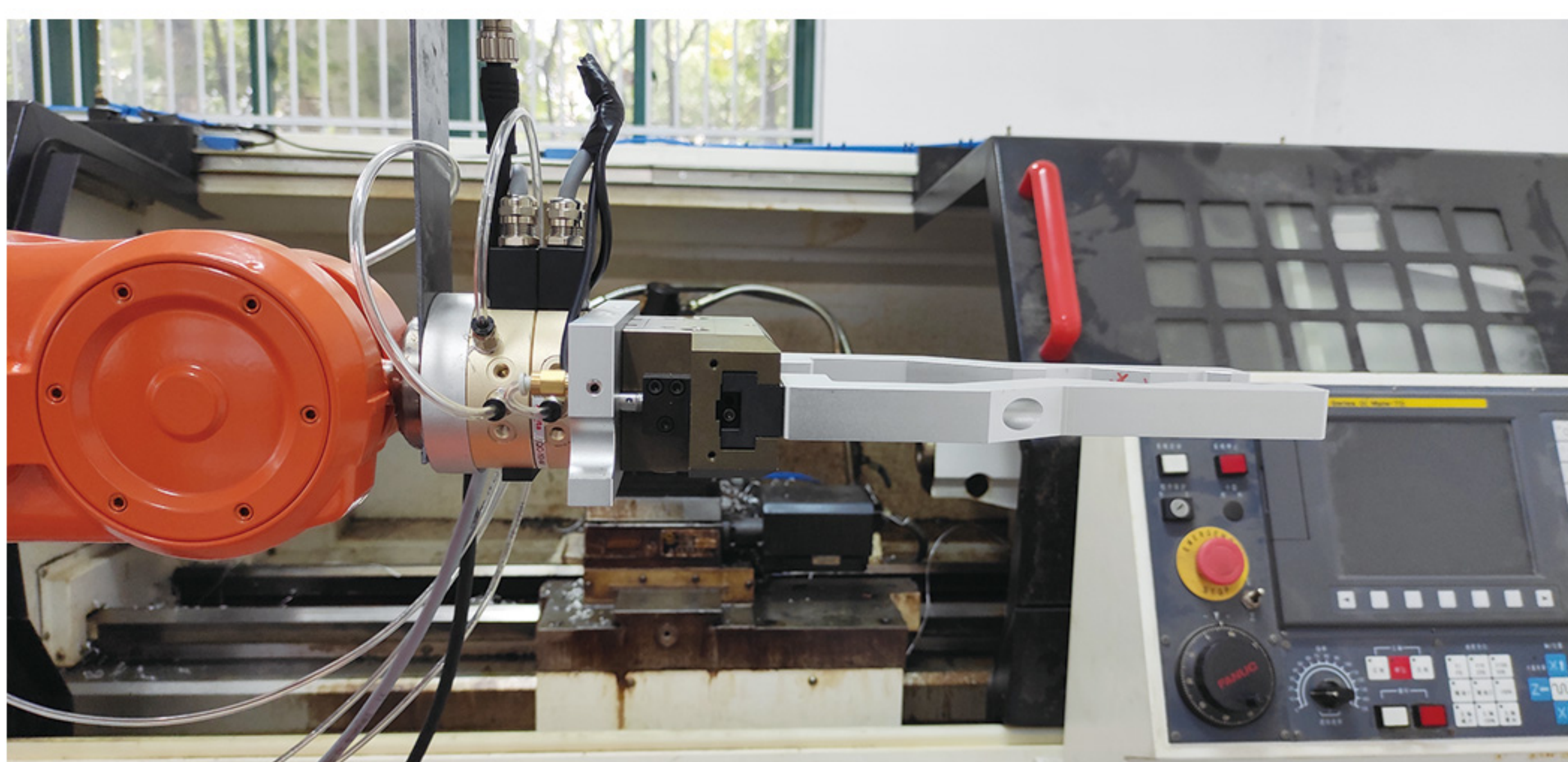
Hot Forming Automation Industry



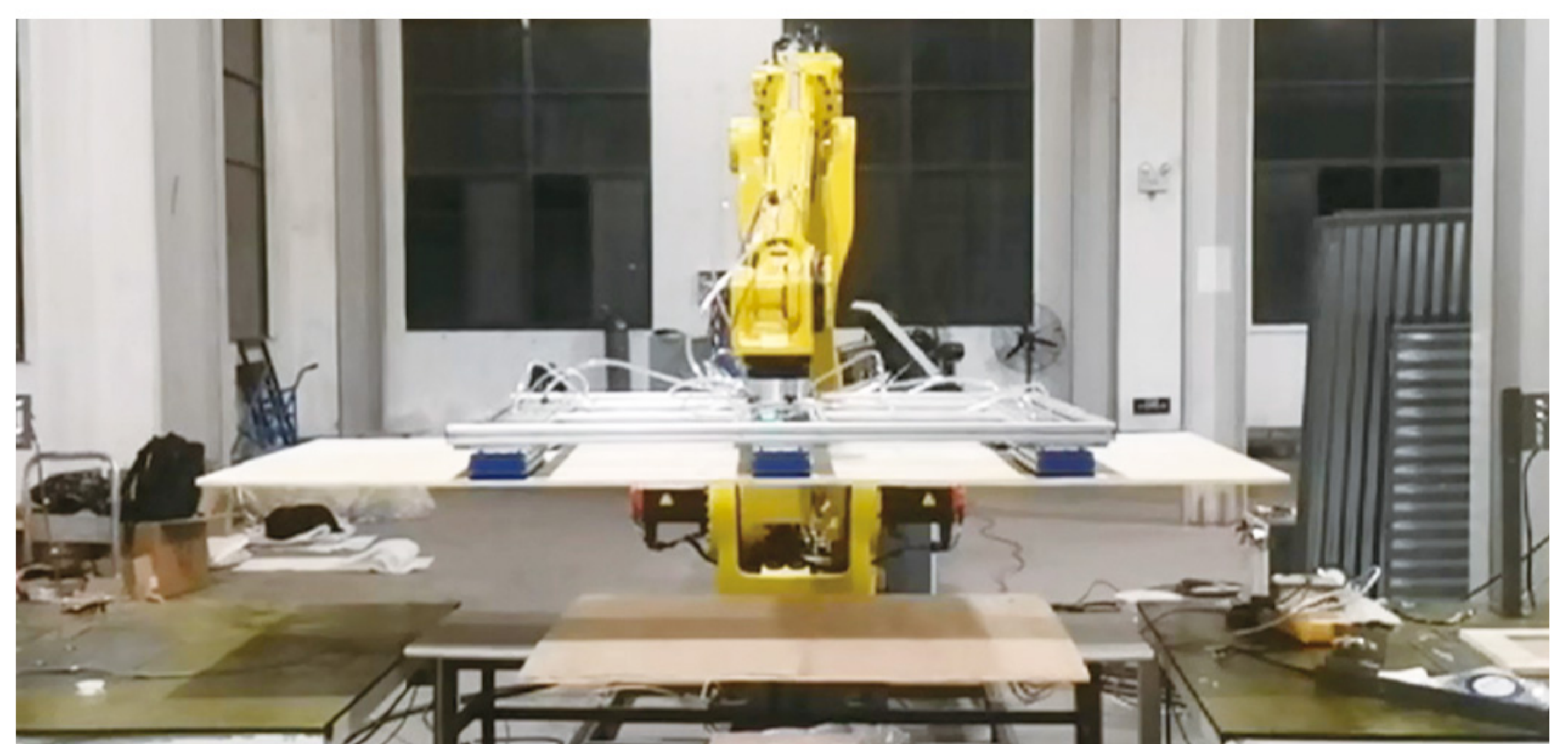
Automotive Welding Industry



Educational Industry



Machining Industry



Packaging Palletizing Industry

TWO OVERALL SOLUTIONS FROM AOTTO

★ OVERALL SOLUTIONS FOR SAFETY GUARDING SYSTEM

★ OVERALL SOLUTIONS FOR ROBOTIC GRIPPING

Jinan Aotto Technologies Co., Ltd.

Addr. : Jianda Hexin Industrial Base, Jinan Innovation Valley Accelerator,
Changqing District, Jinan City

Tel : 0531- 87201565

E-mail : Marketing@aotto.cn

Web : www.aottotech.com



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