KIMSEN

AUTOMOTIVE
& ROBOTIC PARTS



May 2026 Edition

CERTIFIED
ISO 9001
ISO 14001

ABOUT US

Established in 2013 on an area of 35,000 m^2,
KIMSEN INDUSTRIAL CORPORATION is an ISO 9001, ISO 14001 and IATF 16949 certified Full-Service Supplier of **Aluminum Extrusion, Stamped, CNC Machined Parts & Components and Assemblies** for **Automotive and Robotic sectors**.
We serve the North American and global markets from our production facilities in Bac Ninh, Vietnam.





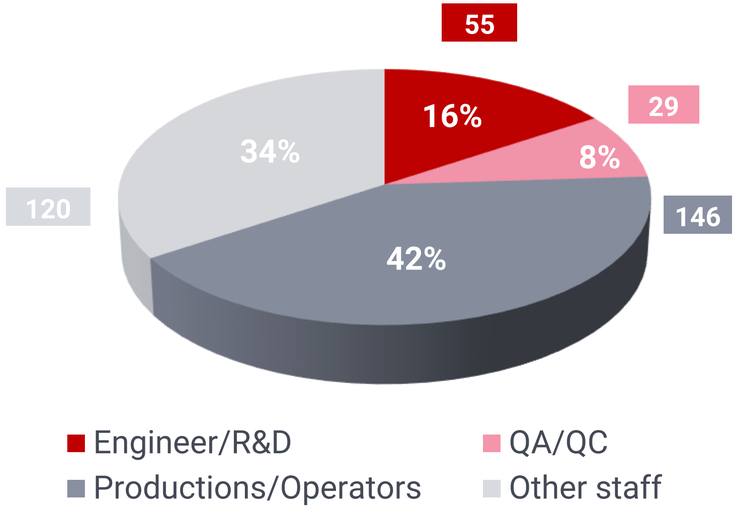
HUMAN RESOURCES

Here at KIMSEN, we consider human resources the most important factor contributing to the development of the Company. Therefore, KIMSEN focuses on building a professional, dynamic and empathetic working environment which offers equal opportunity for each member. We are proud to have a team of well-trained personnel who are passionate and devoted to the development of the Company.



Human Resources

Employees: ***350*** *(up to May 2026)*

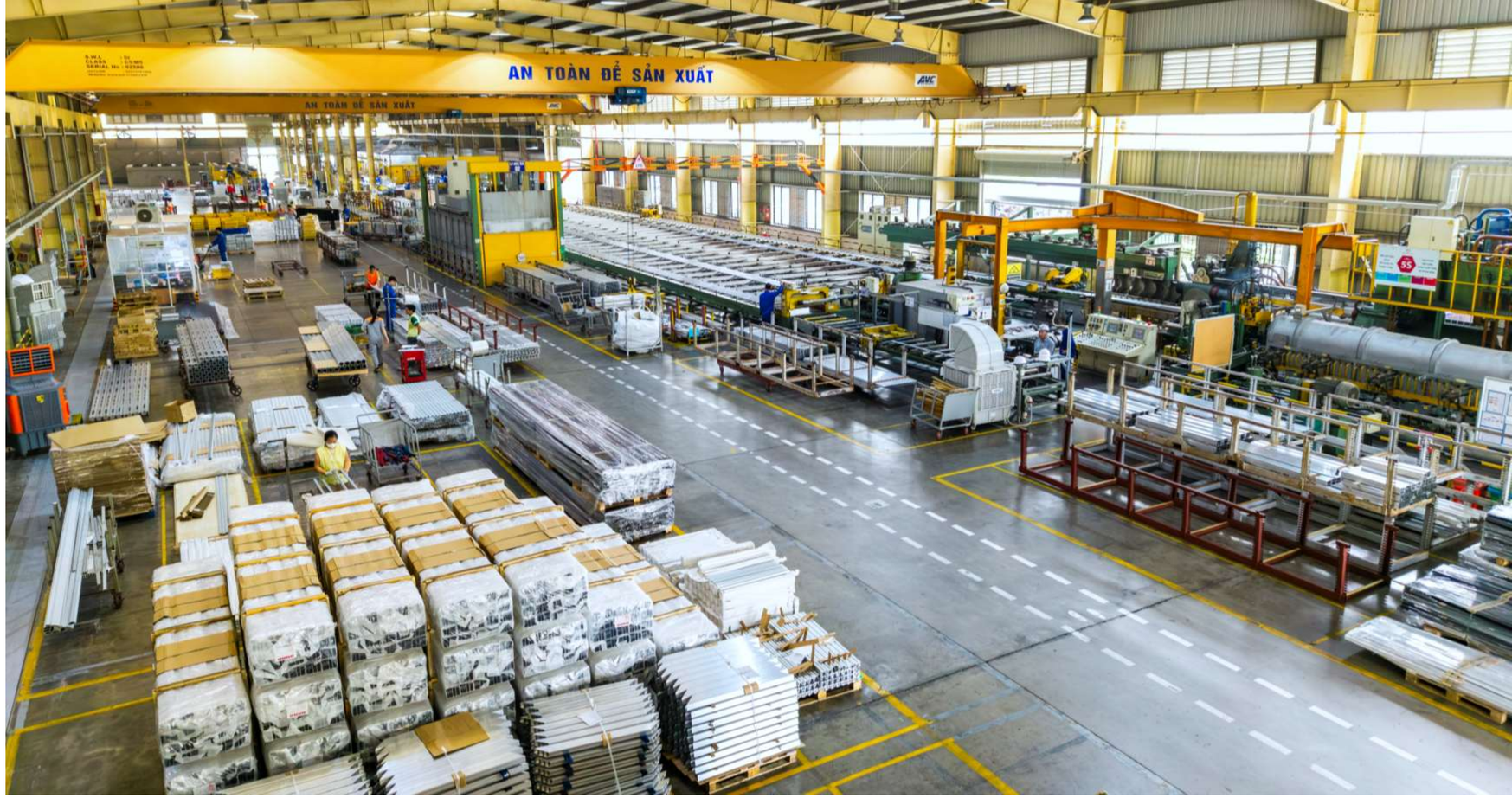


EXTRUSION WORKSHOP

Aluminum alloy: 6063, 6005, 6061, 6082
Heat treatment: T4, T5, T6
Machines: 1100 UST & 1880 UST
Capacity: 800 tons/month

EXTRUSION PARTNERSHIP

Aluminum alloy: 6063, 6061, 6N01
Press Tonnage: 5000 UST

















CNC MACHINING WORKSHOP

100 machines
Services: Milling, cutting, drilling, tapping, turning, bending, etc.
Maximum machining length: 4500 mm



WELDING & ASSEMBLY WORKSHOP

Welding type: MIG, TIG
Capacity: 8 robots - *capable of producing 100k~200k/monthly depending on size*
Robot arm: Fanuc
Welding power source: Fronius
Axis: 6-8 Axis system (Fanuc)
Max. reach distance: 2032 mm
Max. load capacity at wrist: 8 kg





Our welders are test-accredited and operate to industry leading standards:

6+
Welding Engineer

QUALITY CONTROL PROCESS

Our quality process includes:

- The 5 Core Quality Tools – **APQP, PFMEA (DFMEA & PFMEA), SPC, MSA, PPAP**
- Advanced Metrology Capability (**CMM, Portable CMM, Vision Checking, 2D Scanners**) – Measure what we manufacture with precision.



Portable CMM



2.5D Vision Measurement



2D Manual Video Measurement



Tensile Stress Testing



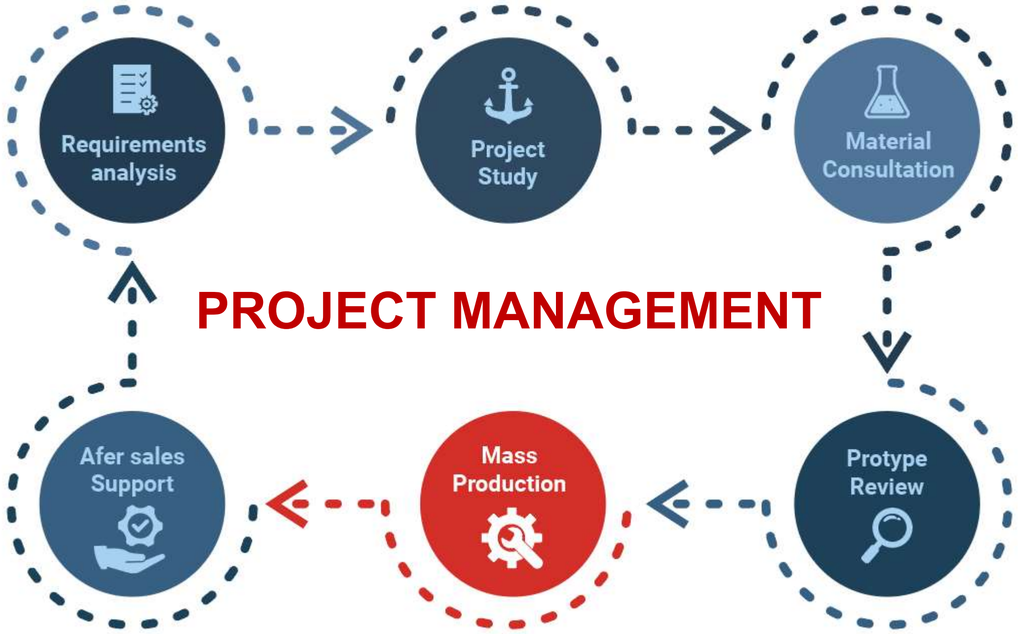
CMM Measurement



Hardness testing

CORE COMPETENCE

KIMSEN is strengthening the global automotive parts industry with advanced manufacturing capabilities and strong technical expertise.



TECHNICAL EXPERTISE



Material and performance consulting with cost-effective optimization.



Material test execution.

PACKAGING







KIMSEN provides quality standard packaging services, which can be customized to customer’s specific packaging requirements.





AUTOMOTIVE

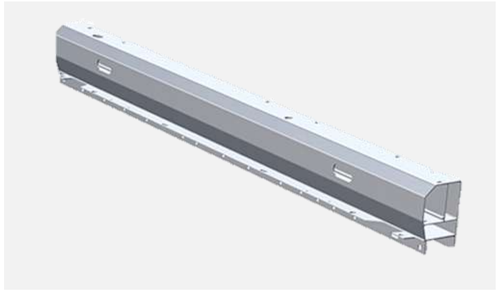
BUMPER BEAM





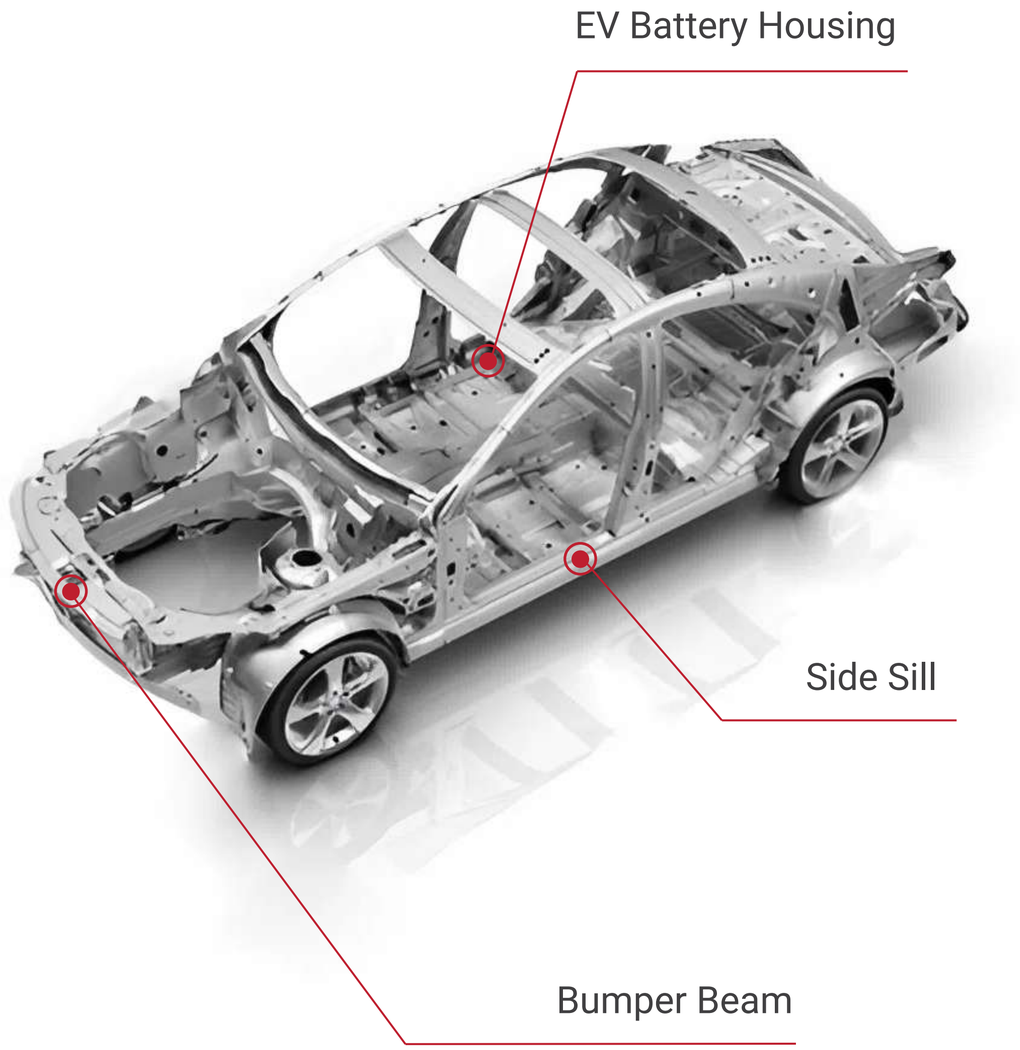
Applications: Compact SUV/CUV

SIDE SILL





Applications: Compact car SUV

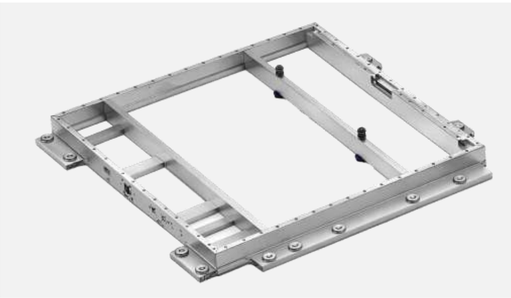


AUTOMOTIVE

EV BATTERY FRAME







Applications:



EV Car

BRACKET







Applications:



Compact car



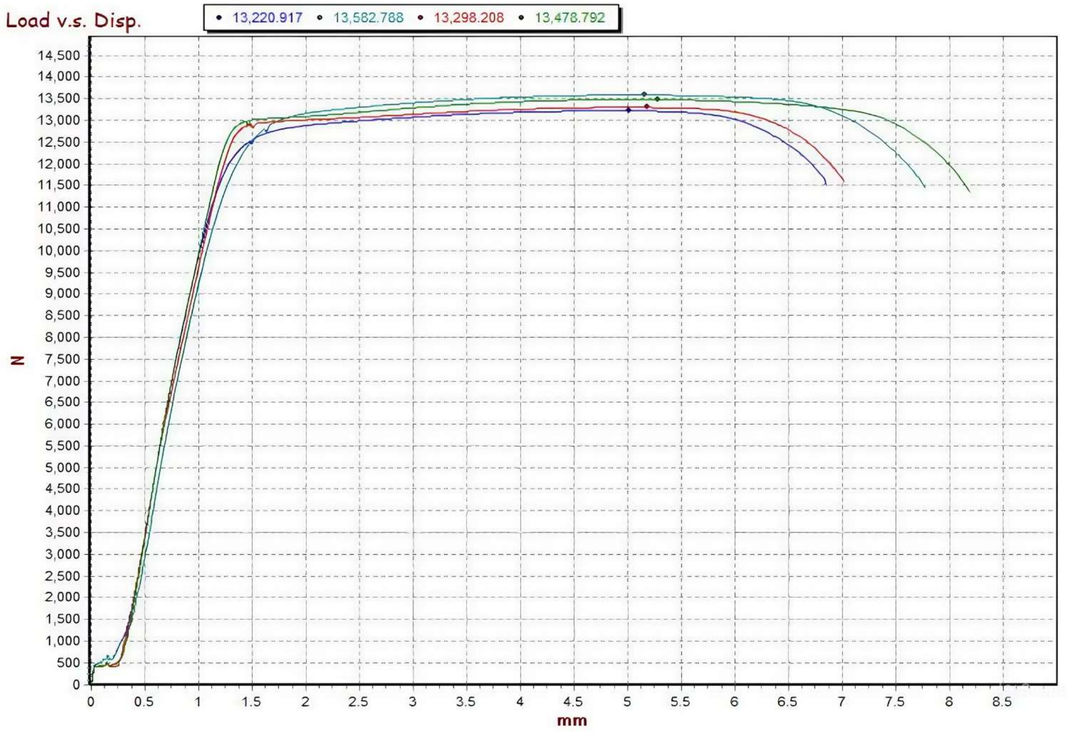
SUV

Material Testing

Material alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other		Al
									Each	Total	
6082	0.7-1.3	0.50 max	0.1 max	0.4-1.0	0.60-1.2	0.2 max	0.2 max	0.1 max	0.05 max	0.15 max	Remainder

Material alloy	Area mm2	Max Force N	Yield Strength N/mm2 Min 270	Tensile Strength N/mm2 Min 310	Elongation	Remark
6082 T6	42.33	13220.92	294.37	312.33	10.60	15.2Hw
	41.89	13582.79	304.18	324.26	11.00	16.0Hw
	41.61	13298.21	309.57	319.61	10.00	15.5Hw
	41.14	13478.79	314.42	327.61	11.80	16.0Hw

Note:
Test No: 6082 INNOVA
Standard : 6082-T6 JIS H 4100



Welding Testing/Bumper beam

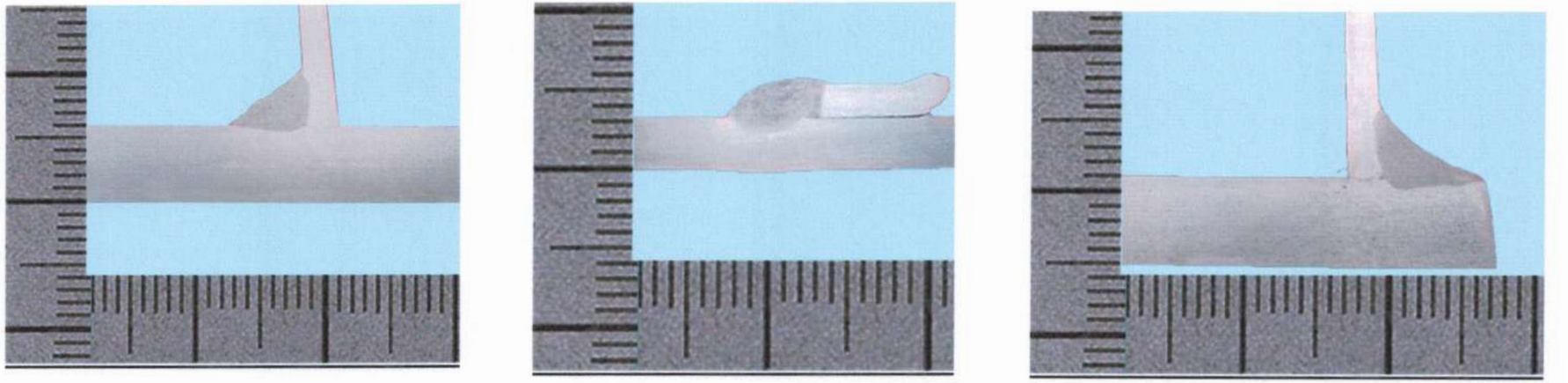
Material alloy	6082
Joint type and Weld type	FW (Fillet weld)
Pulse welding details	2.4 Hz
Dia. Filler (mm)	Φ1.2
Current (A)	190 ~ 220
Travel Speed* (mm/min)	850 ~ 1000
Heat input* (kJ/mm)	0.2 ~ 0.4



Welding Test Positions

Macrostructure examination (macro etching – Nital 5%)





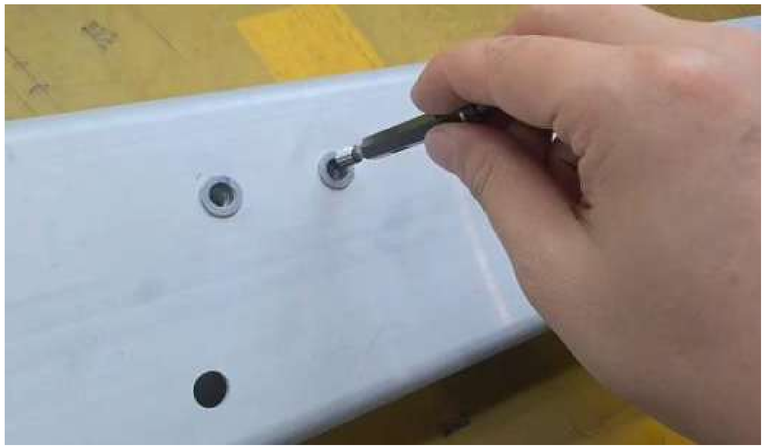
Remark:
The macrostructure shows complete fusion of the weldment. Weld metal and heat affected Zone are free of defect.

DVP Testing/Side Sill

Rivet nut performance



Test Description	Test Method	Result				
Destruction torque >10N.m	Electronic torque wrench	10.79	11.20	12.96	11.00	10.80



Test Description	Test Method	Result
The adapter bolt should be able to be manually screwed in smoothly	Thread gauge	Smoothly hand-tighten the thread

ROBOTICS

ROBOT FRAME & MOUNT

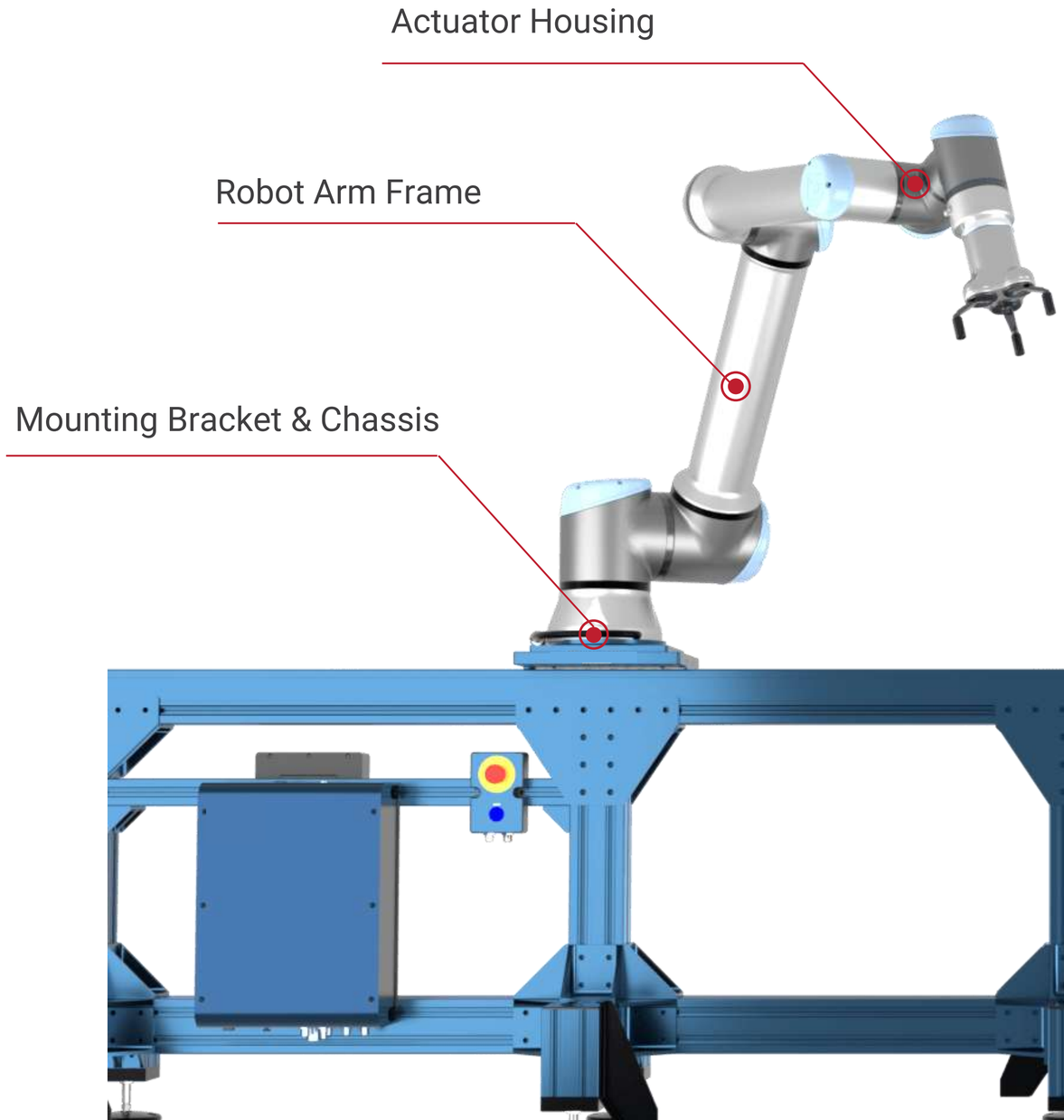








Precision tolerance: ±0.03mm



ROBOTICS

LINEAR MOTION SYSTEM

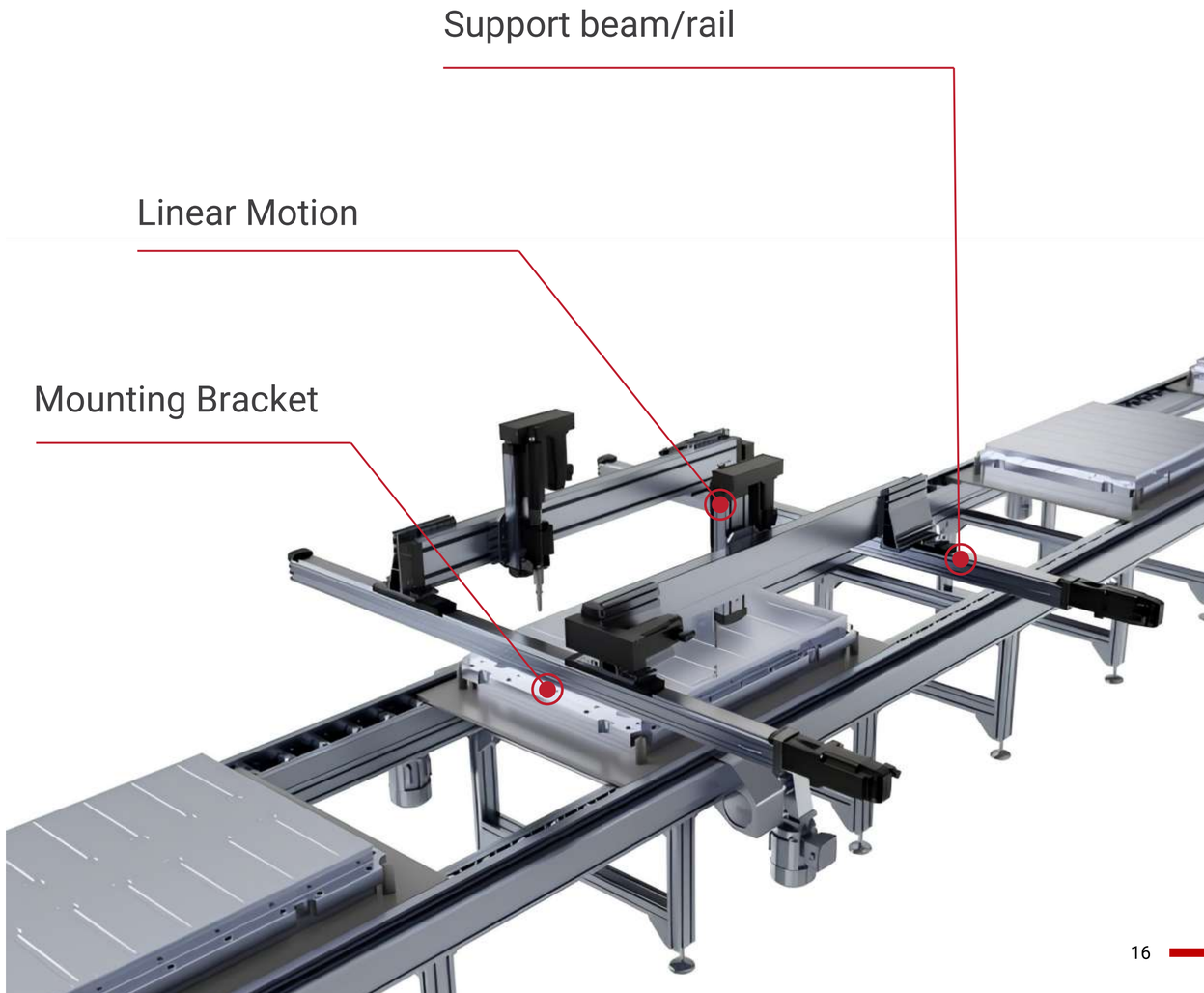








Precision tolerance: ±0.03mm



Welding Testing/Robot arm

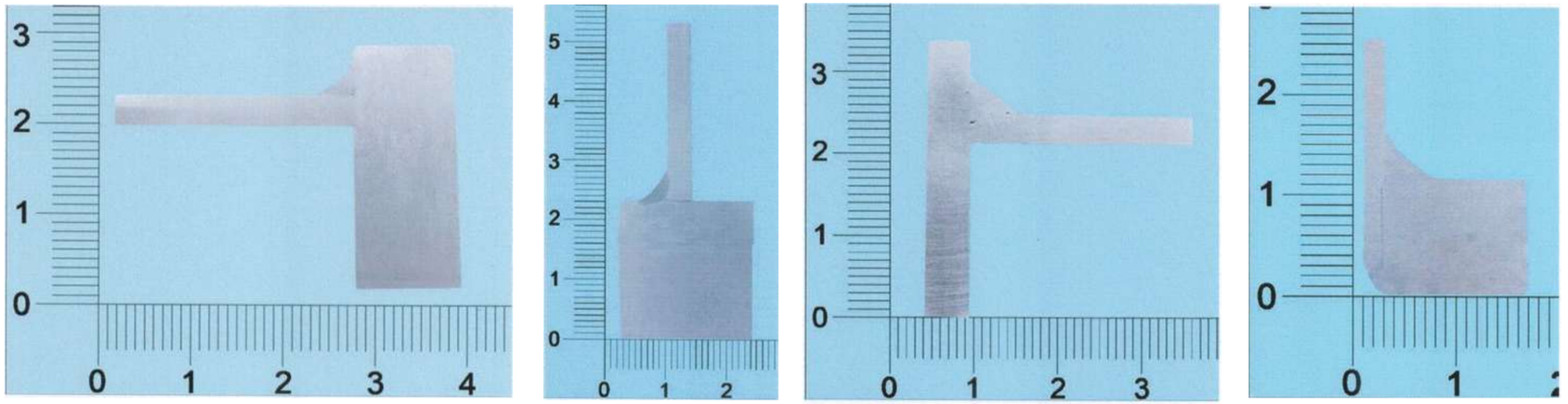
Material alloy	6063
Joint type and Weld type	FW (Fillet weld)
Pulse welding details	2.4 Hz
Dia. Filler (mm)	Φ1.2
Current (A)	210 ~ 270
Travel Speed* (mm/min)	200 ~ 300
Heat input* (kJ/mm)	0.3 ~ 0.5



Welding Test Positions

Macrostructure examination (macro etching – Nital 5%)





Remark:
The macrostructure shows complete fusion of the weldment. Weld metal and heat affected Zone are free of defect.

OUR MARKETS

Besides being supplied to the domestic market, our aluminum products have been exported directly and indirectly to overseas markets.





OUR CLIENTS

CORPORATE SOCIAL RESPONSIBILITY

Through dedicated product development for electric vehicle industry (including electric cars, buses, and trucks) and renewable energy sector (solar), KIMSEN has taken an active role in the global supply chain, furthering the aim of carbon emissions reduction and environmental sustainability.

ENVIRONMENTAL RESPONSIBILITY

As a manufacturer, KIMSEN always strives to build a green and clean working environment to minimize waste chemicals to the surrounding environment.

ALUMINUM RECYCLING

After quality testing, aluminum scrap will be recycled to be used as raw materials for other production processes.

WASTEWATER TREATMENT SYSTEMS



ROOFTOP SOLAR MOUNTING SYSTEMS



CORPORATE SOCIAL RESPONSIBILITY

Sustainable development, not only paying attention to business benefits but also making positive contributions to the society and environment, is the long-term orientation of KIMSEN Industrial Corporation. KIMSEN is a gold sponsor for the “Mùa Gió Ấm” volunteer program of Foreign Trade University students.
The responsibility to minimize environmental and society impacts, save energy, maintain the landscape green – clean - beautiful, contribute to the development of the local economy are among important criterias besides production and business efficiency.



SCHOLARSHIP AWARD FOR STUDENTS

With the desire to support and encourage young students, KIMSEN awarded meaningful scholarships to students at Long Chau Secondary School, including those with outstanding academic achievements and those facing difficult circumstances, helping inspire them to keep learning and growing.



PARTNERING FOR GREEN FUTURE

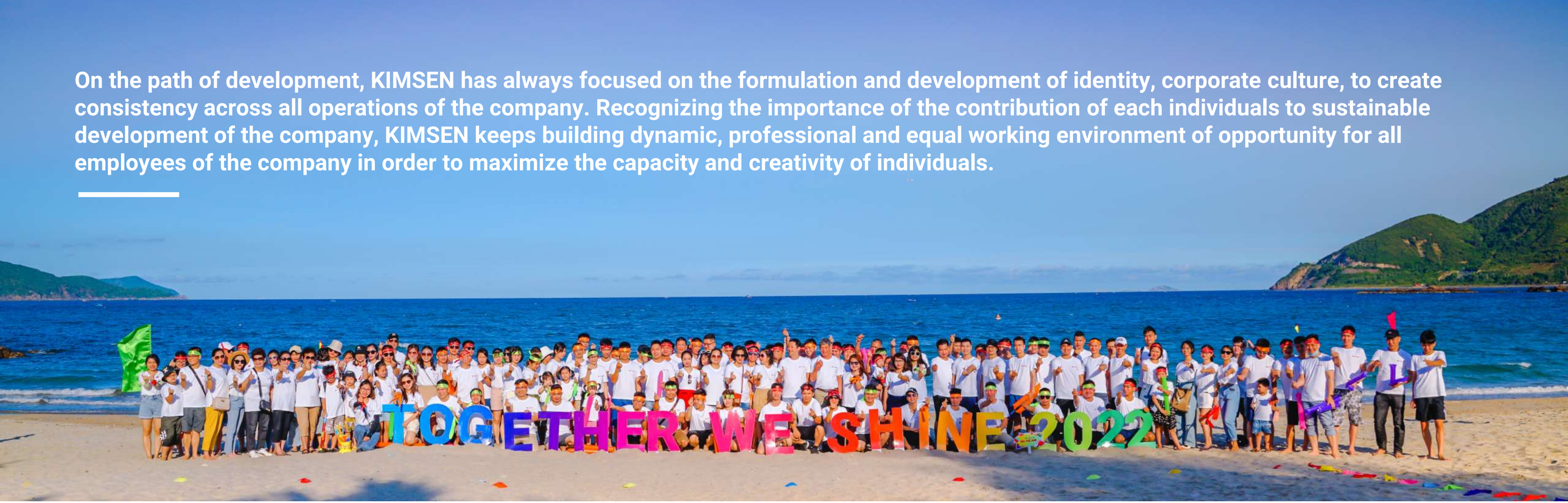
KIMSEN is proud to mark a meaningful milestone — signing a cooperation agreement with Hanoi University of Science and Technology (HUST) to strengthen cooperation in green-energy training and research.



THE CONTEST "RUN WITH KIMSEN”

The contest is a great chance for all KIMSENers to embrace the spirit of sports, stay active, and improve their health. It also offers a fun and engaging playground where everyone can connect, share experiences, strengthen teamwork, and spread positive energy together.

On the path of development, KIMSEN has always focused on the formulation and development of identity, corporate culture, to create consistency across all operations of the company. Recognizing the importance of the contribution of each individuals to sustainable development of the company, KIMSEN keeps building dynamic, professional and equal working environment of opportunity for all employees of the company in order to maximize the capacity and creativity of individuals.



TRAVELLING & TEAMBUILDING



YEAR END PARTY



SPORTS ACTIVITIES



KNOWLEDGE SHARING



ANNUAL HEALTH CHECK



THANK YOU

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