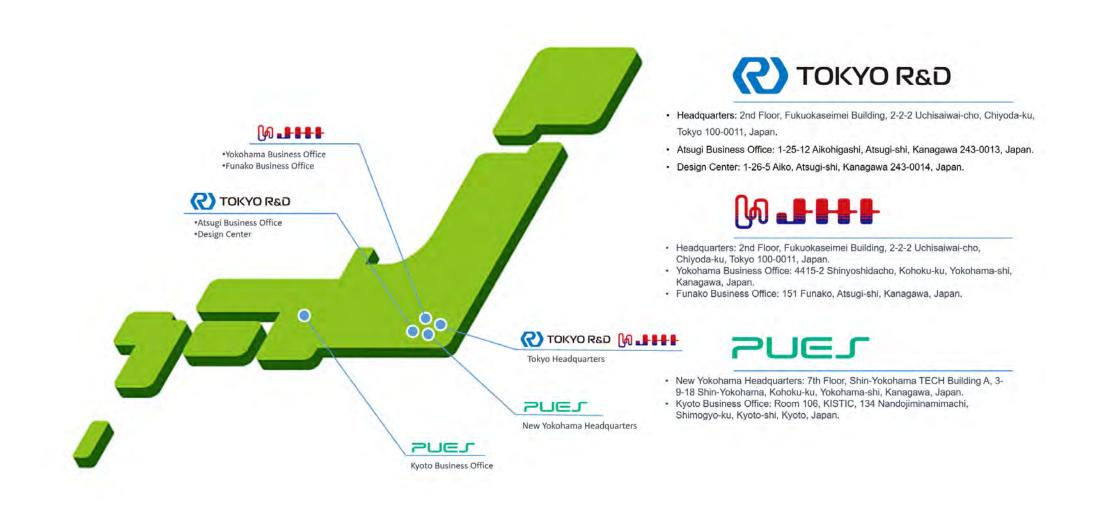


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# Tokyo R&D Group







### **Company Overview**



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FAX : +81-(0) 46-226-8151





Trade Name	JHI Co., Ltd. (Formerly Japan Hydro System Industry Co., Ltd.)
Establishment	2015/7/1
Headquarters Location	2nd Floor, Fukuokaseimei Building, 2-2-2 Uchisaiwai-cho, Chiyoda-ku, Tokyo 100-0011, Japan
Capital	10,000,000 yen
Number of Employees	76 employees (as of April 2024)
President	Izumi Miyashita
Executive Vice President	Kazuyuki Shiraiwa

# **Our Products**



### **Hose and Pipe**

- Hoses and Piping systems: lightweight, high-pressure, durable, heat-resistant.
- Individual prototypes to small-scale production.



### **Composite Material Products**

- Six autoclave units, large and small, with a flexible method.
- Prototyping to mass production with high strength and lightweight properties.





### **Machining Products**

 Using advanced machining equipment for precise and efficient machining of metals, CFRP, and resin products.

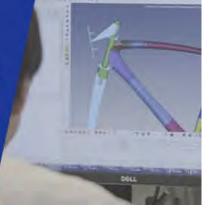


# **Our Technology**

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## 01 Design and Analysis

- Apply 3D CAD for product, mold, and fixture design.
- Optimize layer parameters: orientation angles, fiber types, placement positions, stacking patterns, and layer counts.



## 03 Molding (Cure)

- Stacking and checking materials on the mold.
- Shaping with bend-stretch method.
- Directing fiber, bagging, choosing autoclave size, and curing the product.



### **05** Inspection

- Including weight, plate thickness, trimming lines, hole diameter, and adhesive processes.
- With final approval from the quality control manager before delivery to customers.



## 02 Mold Manufacturing

- Use 3-axis and 5-axis machining for manufacturing.
- Selecting materials : metal, resin...based on design needs and production volume.
- Use 3D scanner for inspections.



## 04 Machining

 Depending on the size, quantity, and required product precision.
We process product shapes using a combination of 3-axis, 5-axis machining machines, and various special tools.

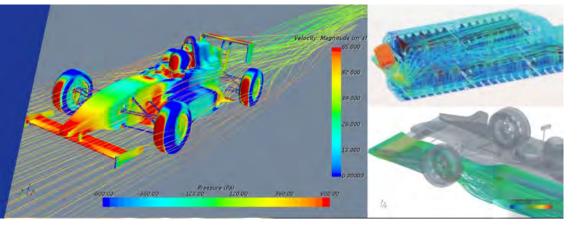


# **Our Engineering Service**



## **CAE** Analysis

- Applying for design, analysis, and evaluation from prototyping to manufacturing.
- Providing complete assistance for various product development requirements.



#### Restore

 We assist customers with vintage and discontinued cars by manufacturing original parts and proposing unique designs.



#### AM (Additive Manufacturing)

- Solution focusing on design and analysis in the pre-process phase..
- Provide diverse proposals from design components to functional parts.

