

## Fabrication Service

Our specialized fabrication service is designed to meet the diverse needs of industries that require advanced material processing and coating solutions. We offer a range of fabrication capabilities, including the application of superhydrophobic and superhydrophilic coatings, precision surface fabrication, microfabrication for microfluidic devices, and 3D printing. Our commitment to quality and innovation ensures that we deliver high-performance solutions tailored to the specific requirements of our clients.

### Service Overview:

- **Superhydrophobic and Superhydrophilic Coatings:**

We specialize in applying micro- and nano-structured superhydrophobic and superhydrophilic coatings on various metals, including aluminum, steel, copper, titanium, and magnesium. These coatings are designed to enhance the surface properties of materials, making them either highly water-repellent or exceptionally wettable. The coatings can be applied to a wide range of complex geometries, such as foils, pipes, nets, airfoils, and impellers, making them suitable for applications in industries like aerospace, automotive, and energy.

- **Surface Fabrication:**

Our surface fabrication services offer precise modifications to material surfaces to achieve desired properties and functionalities. Whether you need to improve adhesion, reduce friction, or modify the surface texture for specific applications, our advanced equipment and expertise enable us to deliver high-quality results that meet stringent industrial standards.

- **Microfabrication:**

We provide microfabrication services for the creation of microfluidic chips and other microscale devices. These microfluidic chips are essential for applications in biomedical research, chemical analysis, and environmental monitoring. Our microfabrication processes ensure high precision and accuracy, enabling the production of intricate and reliable microscale devices.

- **Micropipette Manufacturing:**

### Jikan Surface Nano-Engineering Company

Hall No.7, University of Tehran Science and Technology Park, North Kargar Street, Tehran, Iran

Phone Number: (+98) 21 8822 0801

(+98) 922 196 9063

Our micropipette manufacturing service caters to the needs of laboratories and research institutions that require custom-designed micropipettes for specific experimental setups. We utilize cutting-edge techniques to produce micropipettes with precise dimensions and high-quality materials, ensuring consistent performance in critical applications.

- **3D Printing:**

We offer 3D printing services for rapid prototyping and production of complex parts. Our 3D printing capabilities allow for the creation of detailed and accurate models, components, and prototypes, supporting a wide range of industries, including medical devices, automotive, aerospace, and consumer products. With our 3D printing service, clients can benefit from reduced lead times, lower costs, and increased design flexibility.

### General Information:

- **Industry Applications:** Our fabrication services are applicable across various industries, including aerospace, automotive, energy, medical devices, and research institutions. Our ability to tailor solutions to specific industry needs makes us a trusted partner for innovation and quality.
- **Quality Assurance:** We adhere to stringent quality control processes to ensure that every fabricated part meets the highest standards of performance and reliability.
- **Collaboration:** We collaborate closely with our clients throughout the fabrication process, from initial consultation to final delivery, ensuring that the end product meets or exceeds expectations.

Our fabrication services are designed to provide advanced, customized solutions that address the unique challenges of modern industries. Whether you need specialized coatings, precision surface modifications, or intricate microscale devices, our team is ready to deliver exceptional results. For more information or to discuss your specific fabrication needs, please contact us directly.

For details about the test fees or if you have any additional questions, feel free to reach out to us at one of the numbers provided below.

Phone numbers (Jikan): (+98) 21 8822 0801  
Mobile, Telegram, WhatsApp (Lab): (+98) 922 196 9063  
Lab Specialist (Mr. Soltani): (+98) 912 566 8009

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