

## Greetings

# We will grow as a “Traditional Start-Up” company.

Rika Denshi has developed a reputation within the Electronics and Semiconductor Industries as a technically advanced company since its establishment in 1961. In recent years, electronic devices have undergone tremendous development and we have been challenging ourselves to meet our customers’ various requirements as the industry evolves. We take pride in the fact that we have contributed to part of the development and refinement of such innovative products. Rika Denshi’s business is based on our technology. We feel our greatest honor when we achieve our technological goals, or receive challenging inquiries from our customers. The most important element of our corporate policy is to always pursue what is best for our customers, and provide technologies that are valuable to our global society.



Group President / CEO  
Yasuko Judy Toda

In March 2015, I became the President and CEO of Rika Denshi. I am excited to leading our Company into the future. We will keep focusing our energy into technological developments as we have always done. At the same time, I believe that it is necessary to have appropriate ways of communicating to keep up with the rapidly changing world and to promote us globally.

Because Rika Denshi has been present in the modern Electronics Industry from its beginning stages, we own reliable technologies. We are now adding new ideas and promotional energies just like a start-up company would, and will strive to achieve our new goals as if we were a “Traditional Start-Up”.

Our people and colleagues support our core technology. By being part of it, I will create a better working environment for all employees to be able to perform at their best. I believe that if you are in a comfortable environment, you will be optimistic and can exchange more ideas with your colleagues. This synergy will create a cycle of establishing new achievements based on each employee’s ideas and that is important for a company to keep growing. Cherishing colleagues and families and putting together all powers of the “Rika Denshi Family” will help us to provide the best service and solutions to our customers.

Our road ahead consists of a variety of “happiness”: Providing the best technology and service to our customers, maintaining steady business with our suppliers, developing a sense of pride within our employees for being part of us, and having true support and cheer from their families. We hope to share all of these “happineses” together and create a “circle of happiness” around us.

I sincerely ask for your continuous support to Rika Denshi.



**RIKA DENSHI SINGAPORE PTE LTD**

**COMPANY PROFILE : RIKA DENSHI SINGAPORE PTE LTD**

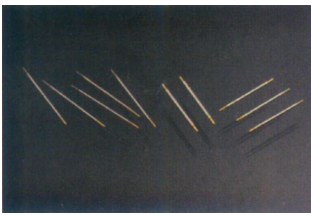
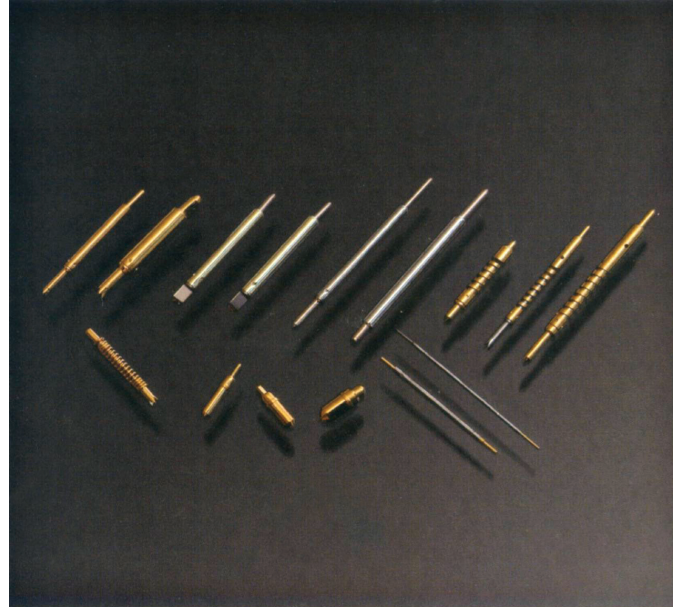
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Website	<a href="http://www.rikadenshi.com">http://www.rikadenshi.com</a>
Key Personnel	Director/General Manager Michael Phua
Nature of Business	<p>Leading manufacturer and supplier of:</p> <ul style="list-style-type: none"> <li>- Contact Probes and Receptacles (Single/Double/Coaxial/Customise)</li> <li>- High Quality Test Sockets and Contactors (BGA, TSOP, etc)</li> <li>- Fine Pitch Test Fixtures</li> <li>- Precision Metal Components</li> <li>- Wire Bonding and Die Bonding Tools</li> </ul> <p>MALAYSIA OFFICE            RIKA DENSHI MALAYSIA SDN BHD            CT-9-10 Level 9, Corporate Tower,            Subang Square            Jalan SS 15/4G, 47500 Subang Jaya            Selangor, Malaysia            Tel: (60) 3-5631-5043            Fax: (60) 3-5631-8143            Website: <a href="http://www.rikadenshi.com">www.rikadenshi.com</a></p>
Main Shareholders/Parent Company	<p>Rika Denshi Co., Ltd            Mita International Building 13F,            1-4-28 Mita, Minato-ku, Tokyo 108-0073, Japan            Tel: (81)3-6635-0620            Fax: (81)3-6635-0621</p>

# エレクトロニクスの最前線に、 理化電子の超高精度加工技術。

Ultrahigh precision processing technology of Rika Denshi  
for the forefront of electronics

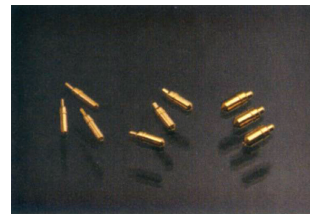
## Probe

The requirements for probes are getting more complex year by year, including the fine pitch of 100  $\mu$  m/150  $\mu$  m, high-frequency, high-speed devices, high heat resistance with a maximum allowable temperature of 200 degrees Celsius, large current capacity, and lead-free materials. We can satisfy these requirements using our experience as well as technologies we have developed.



### Fine Pitch

**Fine pitch probes**  
Fine pitch probes used frequently for pre-process wafer inspection.



### High-Frequency Probes

Probes that have excellent high-frequency properties. With a pitch of 0.65 to 0.4mm, a frequency of over 10GHz is achieved.



### Kelvin Probes

Used for Kelvin contact and can operate down to 70  $\mu$  m pitch. Plunger material and shape can be customized in order to perform well in a fine pitch environment.

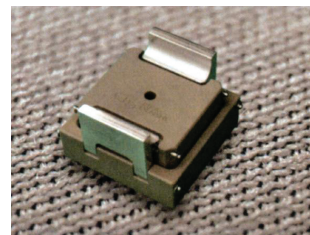


### High Temperature Probes

We have developed a proprietary plating that allows these probes to function at temperature up to 200°C.

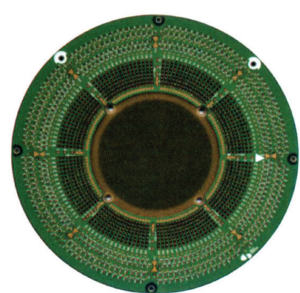
## IC sockets & test fixtures

Rika Denshi has developed short probes for semiconductor testing, as well as application software for IC sockets. We select housing materials according to your application software and usage environment, and propose comprehensive solutions for designing, processing, assembling, and inspecting parts in an integrated manner.



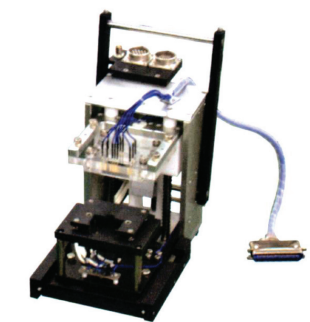
### IC sockets

These are sockets for IC inspection for a post-process final test. These sockets of Rika Denshi are compatible with various handlers, and can be used for any kinds of packages, including QFN, BGA, and WLCSP. You can customize resin, pitch, and full matrix.



### Probe Cards

Rika Denshi Probe Cards are designed for WLCSP and can be customized based on pin location. Our current product accepts 180  $\mu$  m, with a pitch of 150  $\mu$  m under development.



### Test fixtures

The test fixtures of Rika Denshi are designed, manufactured, and inspected in an integrated fashion in our facility. We can meet various requests for hand-operated presses, clips, sockets, pin heads, etc.

## Inspection devices

Advanced reliability and environmental tests are conducted with inspection devices such as SEM/EPMA and X-ray inspection equipment. We carry out rigorous quality control.

