Advanced test solutions for next generation semiconductors

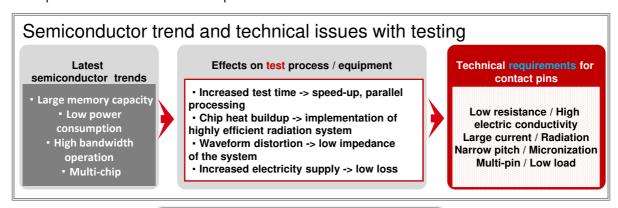
Union ContactTM



Union ContactTM and Union AlloyTM – Advanced semiconductor test solutions

The high functionality of semiconductors and many requirements of test processes

Whether it's the start of 5G services, the full-scale spread of IoT and AI, or the progress of self-driving, so many aspects of our world are being controlled by semiconductors. All the while, with further integration semiconductors are required to have many requirements of in their test processes and handle narrow pitches.



Contact pin needs for highly conductive and low resistant high frequencies

Union Contact™

At UPT Group, we have developed an original contact pin Union Contact[™] for tests that suit the advancing test needs of semiconductors. Its vertical probe pins consisting of a one-piece structure differ from the traditional pogo pins which consist of multiple parts, and have a structure of one conductive line without an inner point of contact.

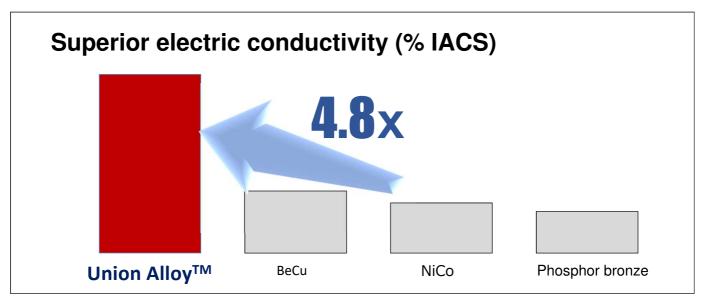


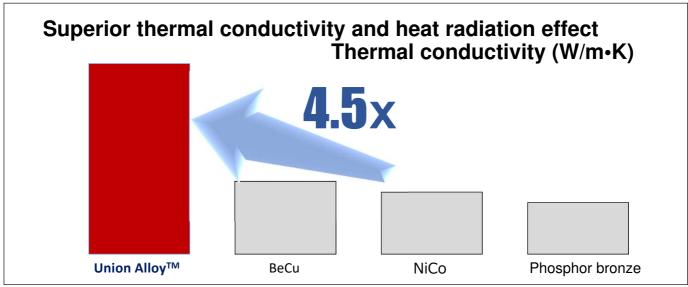
- ✓ Superior conductivity, low resistance and low load
- √ Handles narrow pitch
- √ Can do semi-custom-made designs by semiconductor test professionals to match with the client's specifications
- ✓ Custom material: Union Alloy[™]

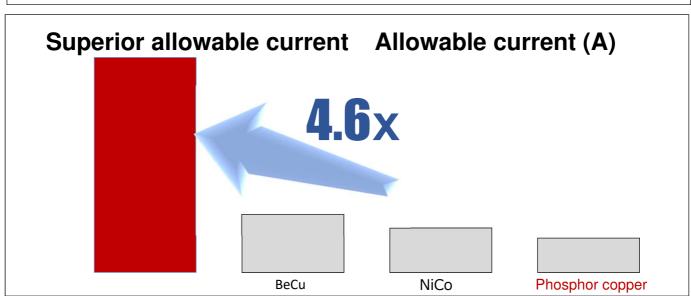
Featuring strength as well as conductivity close to native copper

√ Fine-processing technology recognized as the best in the world

The Superiority of Union Alloy™



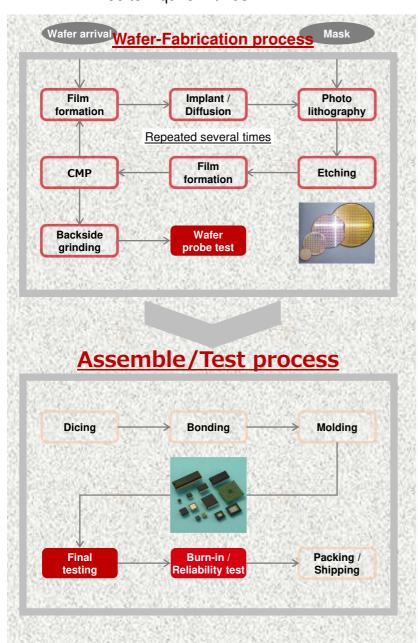




Union ContactTM and the Ninja series

Union Contact[™] can be used from the Wafer-Fabrication process to the
 Assembly /Test-process of semiconductors. For Wafer-Fabrication process,
 it can also be assembled into a module for easy use with test equipment
 before being delivered. For Assembly /Test-process, we offer a semi-custom made type that can match with the client's usage environment. Please feel

free to inquire with us.





Wafer probe test process

- - - Union Block ™/
- - - Union Contact ™/

Interposer

Union ContactTM in electric tests

Through the excellence and design expertise of UPT Group's fine processing, Union Contact[™] is able to be semi-custom-made in accordance with customers requirements for size, pitch, stroke and ampacity. As a first step, feel free to inquire with us.

Examples of use cases

- Semiconductor wafer tests
- IC and package tests
- · Circuit board tests
- Interposers
- Camera modules
- LGA Package connectors
- · Semiconductor and reliability tests
- Non-magnetism for magnetic sensors
- Jigs for high frequencies



United Precision Technologies Co., Ltd.

〒162-0843 Chiyoda Bldg., 2-37 Ichigaya-Tamachi, Shinjuku-ku, Tokyo Tel: 03-6265-0495 (switchboard) Fax: 03-6265-0496 http://upt-co.com