

ADVANTEST®

earns five stars with its best-ever score

VLSIresearch Customer Satisfaction Survey 2019

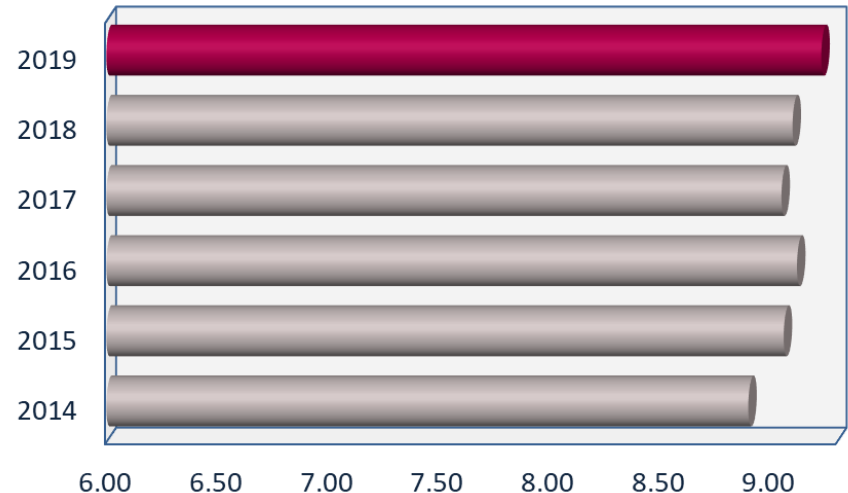




Advantest Earns 31st Consecutive Ranking as a Top IC Test Equipment Supplier

- Advantest earns 5 VLSI Stars from customers for the third consecutive year
 - earns their best-ever score of 9.23
 - among the elite few to be esteemed as a 10 BEST supplier since the survey's launch 31 years ago
- The market-leading supplier of automatic test equipment (ATE), with five star customer satisfaction
 - enables leading-edge technology with the industry's No. 1 test technology capabilities
 - engages an internationally-renowned global support system
 - develops state-of-the-art test and measurement technology developed in coordination with semiconductor and electronics industries
 - employs best-practice standards of excellence with the best talent for more than six decades

Advantest's 10 BEST Award History



Copyright © VLSI Research Inc. All rights reserved.

Advantest's Approach to Customer Satisfaction

- Enabling advanced enterprises to deliver leading-edge technology to consumers
 - strong partnerships around the globe
 - semiconductor suppliers ranging from IDMs to fabless, foundry, and OSAT
 - diverse customers in traditional SOC, MPU, and memory markets
 - pushing the envelope of the next generation of test technologies in partnership with customers
- Advantest provides one-stop shopping for test systems, handlers, and device interfaces
 - integration of all components essential to semiconductor package test
 - incorporates varying customer demands into its highly scalable modular architecture platforms

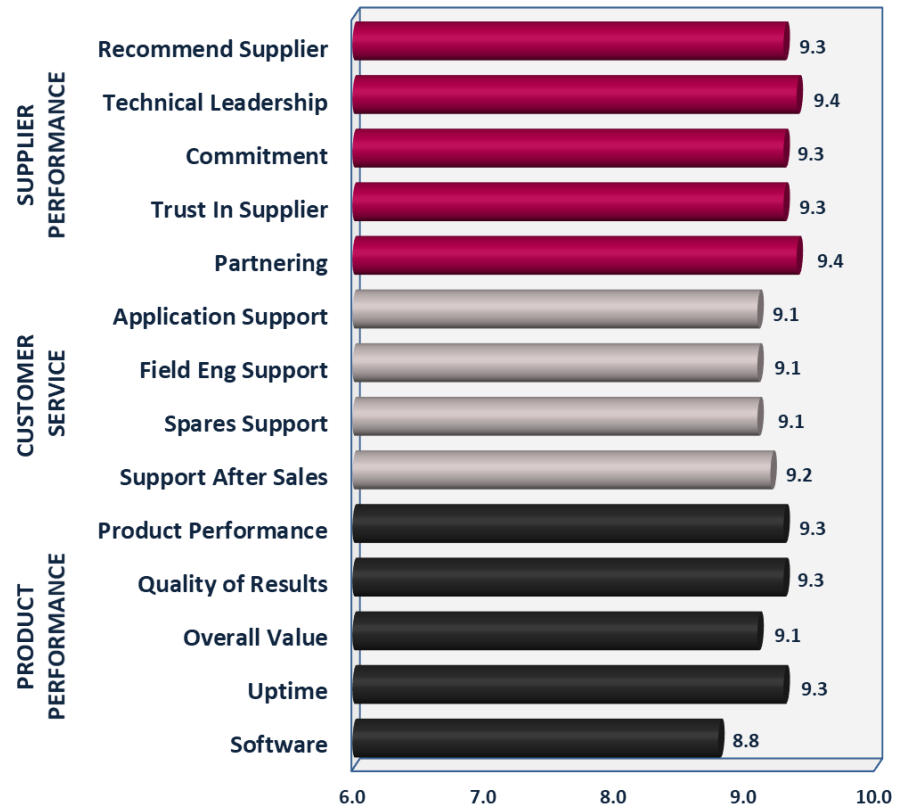


How Customers Perceive Advantest

- Earns 9.1 and above in 13 categories
- Improves ratings in 10 rating categories
 - *technical leadership* and *software* by 30 basis points
 - *commitment*, *partnering*, *spares support*, *support after sales*, and *product performance* by 20 basis points
 - *application support*¹, *quality of results*, and *uptime* by 10 basis points
- Highest scores*
 - *technical leadership*
 - *partnering*
 - *recommend supplier*
 - *commitment*
 - *trust in supplier*
 - *product performance*
 - *quality of results*
 - *uptime*

*Listed in order of rating

¹ Application Support replaced Process Support in 2019



Copyright © VLSI Research Inc. All rights reserved.

More Perceptions from Customers

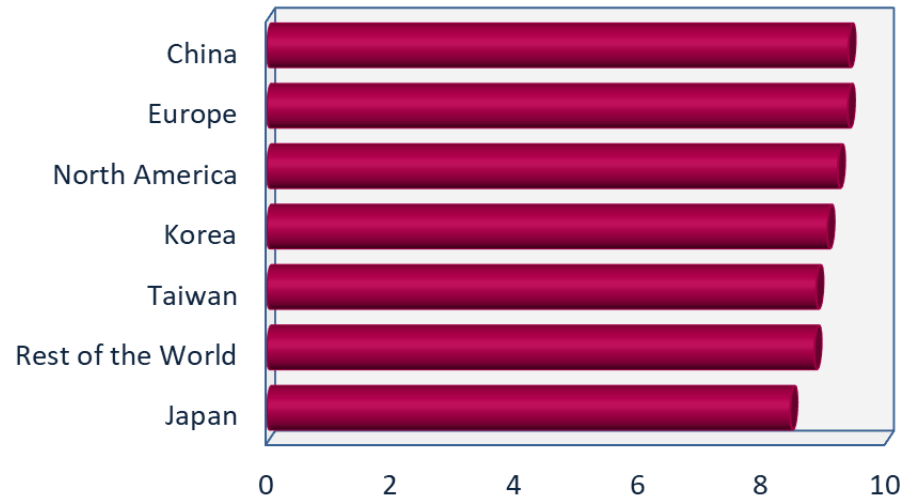
- *Advantest V93000 is the benchmark for integrated circuit testers. Its stability and precision are among **the best in the industry**.*
- *Advantest has **highly motivated workers** that help maintain our success as a business. Advantest Engineering and FSE support has been excellent.*
- *Great support and **prompt response**.*
- *Very good equipment performance and support. Clear roadmap for future test needs. Very **high levels of support** and **responsiveness** from the account manager.*
- *Very satisfied with Advantest who has been proven to be a reliable and **excellent partner** in terms of both business and technical.*
- *Our company has long used Advantest's semiconductor automated test equipment for wafer testing. Benefiting from the excellent performance, **high precision**, good stability, and **excellent scalability** of the company. It has greatly helped our company to successfully seize the market opportunity and quickly realize the large-scale production of chip products.*
- *The cooperation with Advantest is **efficient** and **enjoyable**.*
- ***Powerful** and in time support for solving issue and program development.*
- ***Reliable** products and with excellent after sales support.*



Advantest Performance Among Peers

- Customers honored Advantest as a THE BEST *Test Equipment Supplier*
 - improves score by 12 basis points to an incredible 9.22
 - securing 5 VLSI Stars for a third year
- Five-Star customer satisfaction is delivered by enabling leading-edge technology to customers globally
 - world-class test technology and support delivered through global teamwork
 - emphasis in semiconductor manufacturing
 - deep partnerships enhance customer success

2019 Ratings by Area of The World



Copyright © VLSI Research Inc. All rights reserved.

About Advantest

A world-class technology company, Advantest is the leading producer of automatic test equipment (ATE) for the semiconductor industry and a premier manufacturer of measuring instruments used in the design and production of electronic instruments and systems. Its leading-edge systems and products are integrated into the most advanced semiconductor production lines in the world. The company also focuses on R&D for emerging markets that benefit from advancements in nanotech and terahertz technologies and has introduced multi-vision metrology scanning electron microscopes essential to photomask manufacturing, as well as groundbreaking 3D imaging and analysis tools. Founded in Tokyo in 1954, Advantest established its first subsidiary in 1982, in the USA, and now has subsidiaries worldwide.

www.advantest.com

About VLSIresearch

VLSIresearch is an award-winning provider of market research and economic analysis on the technical, business, and economic aspects of the semiconductor supply chain. Providing intelligence for faster and better decision making, seasoned executives in high technology, government, and finance rely on VLSIresearch's insights to guide them to the right decisions. The formula is simple: **Better intelligence leads to better decisions which deliver better results.** Founded in 1976, VLSIresearch is the leading technology research and advisory company focused on semiconductor related manufacturing.

www.vlsiresearch.com

About the 2019 VLSIresearch Customer Satisfaction Survey

VLSIresearch received feedback from more than 86% of the chip market and 87% of subsystems customers for this year's survey. The survey spans two and half months and covers five languages. Worldwide participants were asked to rate equipment suppliers among fourteen categories based on three key factors: supplier performance, customer service, and product performance. 1,820 surveys were returned, resulting in 24,514 total responses.

The VLSIresearch annual Customer Satisfaction Survey is the only publicly available opportunity since 1988 for customers to provide feedback for suppliers of semiconductor equipment and subsystems. The 10 BEST, THE BEST, and RANKED 1st awards provide special recognition to suppliers that are rated highest by their customers.

10 BEST awards recognize each **chip making equipment supplier** as a whole, regardless of product type:

- Fab, Test, and Assembly equipment ratings are grouped together for an overall rating for each supplier
- Each supplier is then listed in one of two categories based on a three-year average of total revenues for all its market segments: **Large** and **Focused**

THE BEST awards recognize the more detailed markets:

- **Fab, Test, Assembly equipment, WFE to Foundation Chip Makers, WFE to Specialty Chip Makers, and Subsystems**

RANKED 1st awards place special distinction on suppliers that achieve the highest rating from customers in any survey category, including:

- **10 BEST** and **THE BEST**
- Specialized areas such as: **CMP, Deposition, Etch & Clean, Implant, Lithography, Process Diagnostics, Specialty Fab, and Subsystems**

The VLSI Stars rating scale:

★★★★★ 9 to 10 ★★★★★☆ 8.5 to <9 ★★★★★ 8 to <8.5 ★★★★☆ 7.5 to <8 ★★★★★ 7 to <7.5

Terms and Conditions, Notices, and Disclaimers, etc.

By accepting this report, opening it, or using it you are agreeing to these terms. This report contains valuable proprietary information developed or acquired by VLSI Research at great expense. Dissemination of these materials is not intended to constitute a disclosure to the public of the information contained in the materials. You have a limited license to hold these materials but do not become the owner of any material. The materials provided are protected by copyright, trade secret, and trademark law and you must obtain written approval prior to use or distribution, either internally or externally.

This report is provided on an "AS IS," "WHERE IS," "WHERE AVAILABLE", "WITH ALL FAULTS" basis. VLSI Research does not warrant these materials or the information provided therein, either expressly or impliedly, for any particular purpose and VLSI Research specifically disclaims any express or implied warranties, including but not limited to, any express or implied warranties of TITLE, ACCURACY, NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR ANY PARTICULAR PURPOSE OR USE.

The sources of the information in this report include numerous individual reports, memos and bulletins from various segments of the industry, annual reports, financial reports, interviews, questionnaires, surveys, technical symposia, trade journals, technical journals and individual assessments by knowledgeable company or industry representatives as well as our own analysis and judgment. Some companies are more cooperative about providing information than others and some companies decline to provide or validate the accuracy of any information. Although the information provided is obtained or compiled from sources VLSI Research believes to be reliable given the oftentimes difficult circumstances under which it is collected, VLSI Research cannot and does not warrant or guarantee the accuracy, validity, truthfulness, timeliness, or completeness of any information or data made available to you for any particular purpose. In no event will VLSI Research be liable to you or any third party, whether in contract, tort or under any other legal theory, for any direct, indirect, special, consequential or incidental damages, or any other damages of any kind even if VLSI Research has been advised of the possibility thereof.

We receive letters and e-mails on current topics covered in our services and/or reports that are of interest to our subscribers, as well as comments on our reports. We value that subscriber input and like to use it. By submitting such material to us, unless you tell us specifically not to publish it, or except to the extent that you give us an embargo date before which you instruct us not to publish it, you authorize us to publish and republish it in any form or medium, to edit it for style and length, and to comment upon or criticize it and to publish others' comments or criticisms concerning it, as the case may be.

This report may contain information concerning stocks that is obtained from the opinions of industry analysts. Quoted past results are not necessarily indicative of future performance. None of the information should be seen as a recommendation to buy or sell any securities. We are not stock analysts or investment advisors. You should contact a registered investment advisor as to the nature, potential, value or suitability of any particular investment action. No information provided is investment advice and any such information is just an opinion and is not tailored to the investment needs of any specific person. Certain statements in this report, other than statements of historical fact, and other written or oral statements made by VLSI Research may be forward-looking. In some cases, you can identify forward-looking statements by terminology such as "may", "will", "should", "expects", "intends", "plans", "anticipates", "believes", "thinks", "estimates", "seeks", "predicts", "potential", and similar expressions. Although VLSI Research believes that these statements are based on reasonable assumptions, they are subject to numerous factors, risks and uncertainties that could cause actual results and outcomes to be materially different from those stated or projected. Those factors, among others, could cause actual results and outcomes to differ materially from the results and outcomes stated or projected in, or implied by, the forward-looking statements. You should understand that forward-looking statements are not guarantees of results or outcomes. New risks and uncertainties arise from time to time, and VLSI Research can not predict those events or how they may affect you, the reader. VLSI Research Inc does not have any intention or obligation to update forward-looking statements after the date of this report.

No part of this report may be used in any legal proceedings nor may any of these materials or the information contained therein be disclosed to any third party, including investors or affiliated firms belonging to investors, outside directors or to your affiliated companies, or reproduced or transmitted to any third party, in any form or by any means – mechanical, electronic, photocopying, duplication, microfilming, videotape, verbally or otherwise – without the prior written permission of VLSI Research.

The Chip Insider® and the CSS 10 BEST logo are registered trademarks of VLSI Research Inc. All other trademarks, service marks, and logos are the property of their respective owners.