

From chip level to 12" wafer level 3D processing

Tohoku-MicroTec Co., Ltd.

We provide cutting-edge 3D-IC R&D Prototyping and Pilot / Low-Volume Production Service

State-of-the-art technologies

- 200mm and 300mm 3D process engineering lines and advanced technology platforms
 - design / layout / mask making
 - wafer / chip thinning
 - forming TSV on chip / wafer (front side / backside TSV)
 - redistribution routing
 - both side u-bumps formation on chip / wafer
 - chip / wafer stacking

> 3D stacking LSIs prototype manufacturing service

- Prototyping of proof of concepts using commercial/customized 2D chips
- die-level 3D hetero-integration with backside TSV technology

> Support your small-volume, special customized 3D productions

- base-line process set-up for the pilot production
- facilitate your product development

> 2.5D interposer R&D foundry and pilot production service

- Large area interposer
- Interposer with passive devices
- Development innovative 3D stacking technologies for creative 3D products and applications
- Supply IP and special customized TEG wafers for process-induced reliability characterization





200mm/300mm 3D Integration Process Facilities









T-Micro

Tohoku-MicroTec Co., Ltd. (http://www.t-microtec.com)



Headquarter (Japan)

6-6-40 Aza-Aoba Suite 203, Aramaki, Aoba-ku, Sendai, 980-8579 Japan Phone:+81-22-398-6264, Fax:+81-22-398-6265 info@t-microtec.com

US Office

750 North King Road #206 San Jose CA 95133 USA Phone: 408-464-7972 hasegawa@t-microtec.com

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