

TGV Process

Through Glass Via Plating & Etching Equipment for Semiconductor Panel Level Packaging

Technical Specifications

Plating Equipment

Panel Size (mm) 300mm x 300mm; 510mm x 515mm

Via Diameter 20~200um

Glass Thickness 0.2mm - 1.1mm

Blanket Uniformity > 95 %

Via Shape X-shape / Straight

Plating Type Comformal / Via Filling Plating

Performance No voids



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Via Diemeter 20~200um

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Via Size Uniformity $\geq 95\%$

Via Shape X-shape / Straight

Throughput 2,000 panel/month

(Base on customer request)

Description

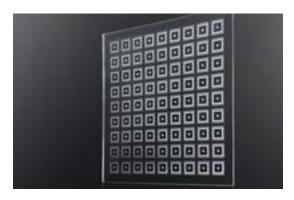
Process flowTGV Total Solutions with Automation Integration:

Laser→**Wet Etching***→AOI→

Laser - Wet Littling -AOI-

→Sputtering→**Electroplating***→TGV RDL Process

* Manz's equipment performance parameters vary by application.





→ Features

- Inline Process Monitoring
 Real-time via size control ensures
 precise etching process time and
 stable production quality.
- Reliable Performance Excellent via size uniformity with X-shaped and straight vias, meeting high aspect ratio demands across diverse glass materials.
- Productivity Boost
 Proven expertise in TGV via formation and double-sided metallization processes to maximize throughput.
- Decades of Expertise
 Leveraging 40 years of RDL
 equipment development from IC
 substrates & display to TGV RDL
 solutions.

