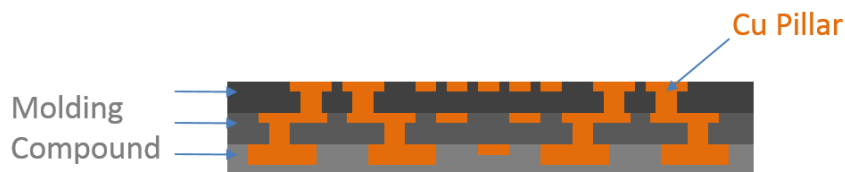


Application of HSP wheel

IC board could be divided into ABF BT and C²iM by the materials and process. C²iM is based on epoxy resin as the main sealing film material, and with the copper wires which are electroplated to build on each molding layer (the figure shown as below). Therefore, the grinding wheel will simultaneously grind both epoxy resin and copper wires in the grinding process. Anchor provides two solutions of Vitrified GC finishing wheel and CBS wheel, according to the copper content of work piece and roughness requirement.



PCB Surface polishing



C²iM Substrate

SPECIFICATION

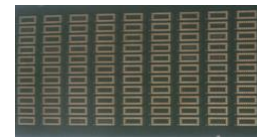
■ Vitrified GC finishing wheel



Specification	GC600 (finish grinding), GC320 (rough grinding)
Size	Customize
Application	IC board with lower copper content (< 30%)
Roughness	C ² iM resin sealing film Ra0.56, Cu Ra0.2
Feature	Good cutting ability and life time, but frequent dressing during grinding.

Grinding case :

Specification	GC600 V	Infeed (coarse)	10 um
Size (mm)	350X75X127	Infeed (medium)	5 um
Machine	Joen Lin	Infeed (fine)	3 um
Wheel speed	30 – 32 m/s		



Work result

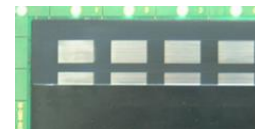
■ CBS wheel



Specification	GC600 (finish grinding), GC320 (rough grinding)
Size	Customize
Application	IC board with higher copper content (> 30%)
Roughness	C ² iM resin sealing film Ra0.2, Cu Ra0.2
Feature	Better roughness, lower loading, improved yield, but shorter life time.

Grinding case :

Specification	GC320 CBS	Infeed (coarse)	20 um
Size (mm)	180X13X31.75	Infeed (fine)	10 um
Wheel speed	33 m/s	Traverse speed	3 mm



Work result

■ For further inquiry, please contact us via the company information below.

COMPANY INFORMATION

CARBO TZUJAN INDUSTRIAL CO., LTD.

- For details, please contact the following agency.

Anchor

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- While using grinding wheels, it is essential that you observe correct procedures to protect yourself.