SHEMMAO Solder Preform

Reliability Improvement on Solder Joints

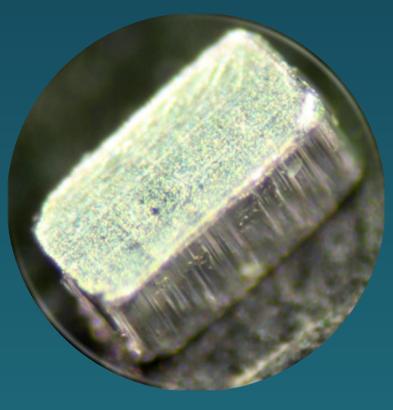


Specification

Model	Size (mm)			Volume	Packaging
	Length	Width	Thickness	(mm ³)	Quantity (7"Reel)
0201	0.51	0.25	0.25	0.03	10000 pcs
0402	1.00	0.50	0.50	0.25	5000 pcs
0603	1.60	0.80	0.80	1.02	4000 pcs
0805	2.01	1.30	0.76	1.98	3000 pcs

Dimensional Tolerances: Length and width: ±0.05mm, thickness: ±10% Applicable Alloy: SAC305, SAC105, SC07, and other soft soldering alloy Please inquire for your own alloy, form and size specification.

Features



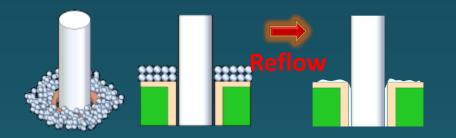
Reduce Wave Soldering
Increase Solder Volume
Reliability Improvement
Process Yield Improvement

Self-Alignment

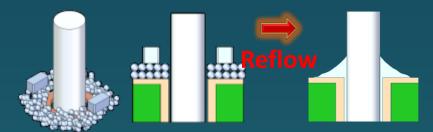
Reduce Pick&Place Error Rates

Reduce Wave Soldering

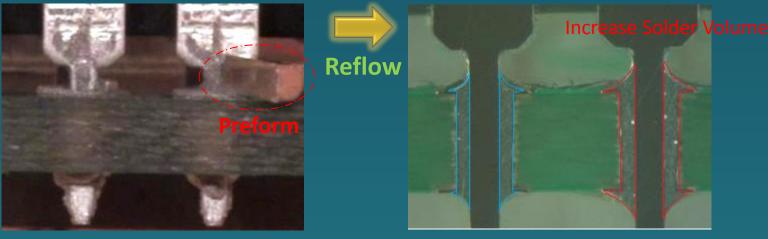
Conventional Process



Solder Preform Process



Better Wetting Condition



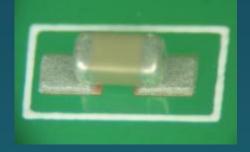
Conventional Solder Preform

Conventional

Solder Preform

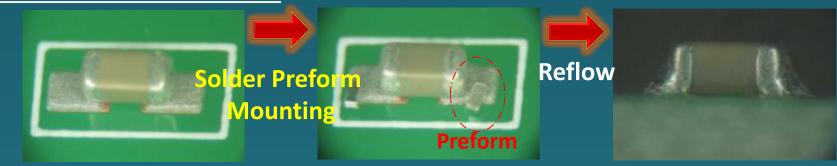
Increase Solder Volume

Conventional Process





Solder Preform Process



Increase Solder Volume

Increase Solder Volume

Conventional Process

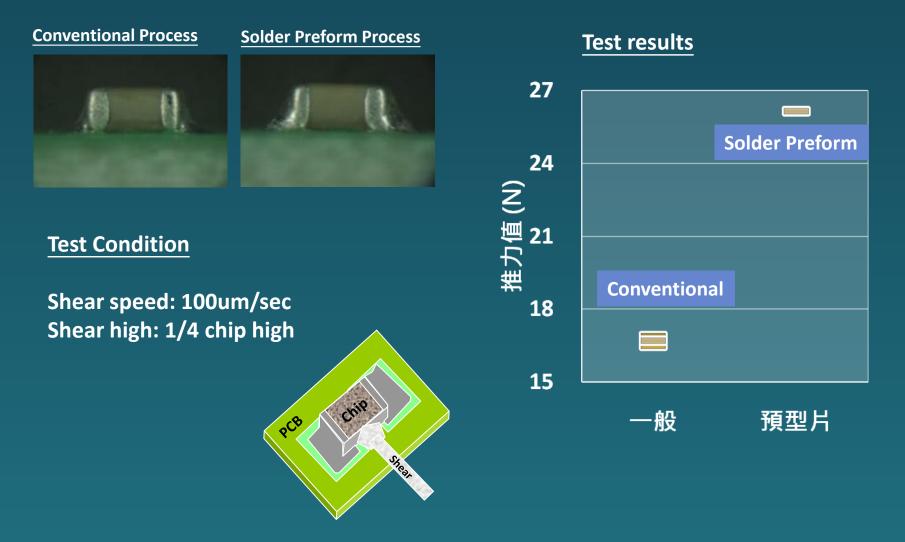




Solder Preform Process



Reliability Improvement



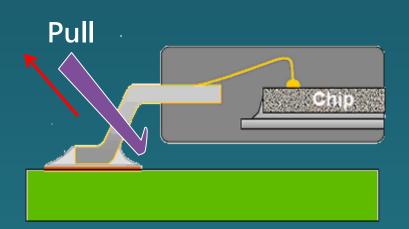
Reliability Improvement

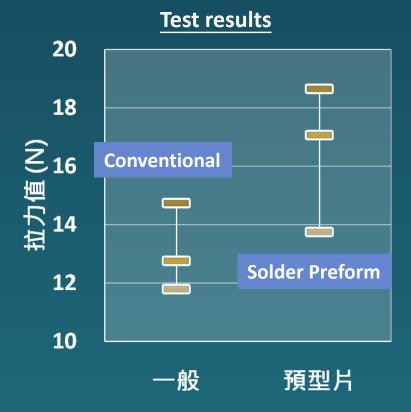
Conventional Process



Solder Preform Process

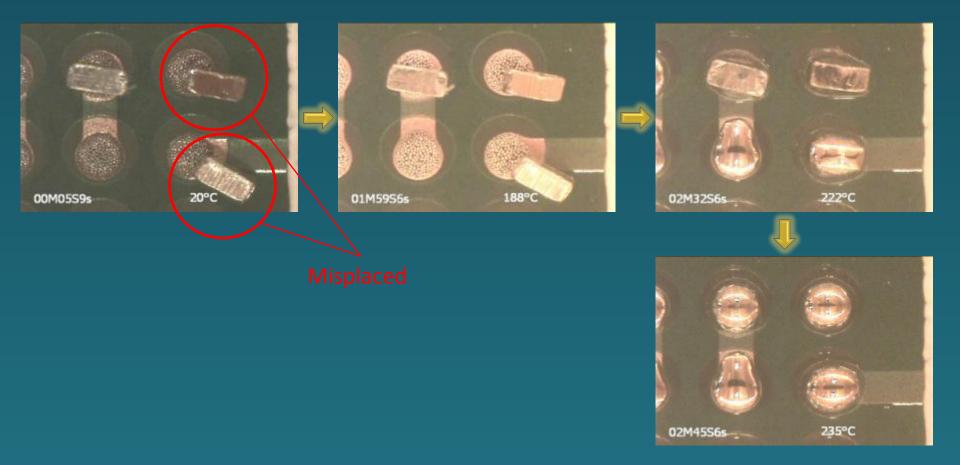
Test Condition





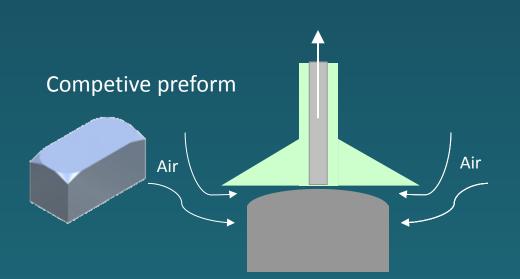
Process Yield Improvement

Self-Alignment of Misplaced Solder Preform



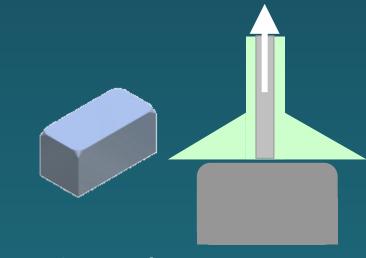
Process Yield Improvement

Reduce pick error rates



Nozzle performance reduced due to no planar surface

SHENMAO Solder Preform



Planar surfaceExcellent nozzle suctionHigh placement accuracy



THANKS!

SHENMAO Technology Inc. Your Ultimate Choice for Solder