



## Accurus™ Solder Spheres

*High-Yield Sphere Perfection*



Advanced applications require superior technology. With Accurus™ solder spheres, packaging specialists worldwide have the confidence that only our proprietary technology can provide: the industry's lowest oxidation levels, superior solderability, highest repeatability and unmatched quality assurance. Accurus™ solder spheres truly are solder sphere perfection.



Unlike other sphere production methods which rely on rudimentary machine cutting or punching procedures, the Accurus™ unique mechanical jetting and sphere sorting methodology results in spheres of superior quality and delivers much higher yields. With sphere sizes ranging from 0.08 mm to 1.9 mm in diameter, Accurus™ has sphere solutions for the emerging wafer-level bumping market all the way through to mainstream BGA and CSP applications. The incredibly low oxidation levels, combined with the industry's highest repeatability and precision control, make Accurus™ solder spheres the only choice for packaging specialists who require unmatched quality and long-term reliability. Accurus™ spheres can be supplied in any patented alloy formulation and, for the SAC305 alloy, have been specifically developed to eliminate any tin migration issues. The quality of Accurus™ solder spheres is superior and their in-field performance is exceptional.

Alloy	Diameter (mm)	Tolerance (mm)	Cpk	Package Size		
				Number of Spheres Per Bottle	Bottle Size (C.C)	Number of Spheres Per Box
Sn/Pb:	1.9	±0.150	≥ 1.33	25,000 pcs	200	50,000 pcs
Sn63Pb37	0.889	±0.020		250,000 pcs	200	500,000 pcs
Sn10Pb90	0.813	±0.020		500,000 pcs	200	1,000,000 pcs
Sn10.5Pb89.5	0.76	±0.020		500,000 pcs	200	1,000,000 pcs
Sn5Pb95	0.65	±0.020		500,000 pcs	200	1,000,000 pcs
Sn63Pb35Ag2	0.635	±0.020		500,000 pcs	200	1,000,000 pcs
Sn62Pb36Ag2	0.63	±0.020		500,000 pcs	200	1,000,000 pcs
Sn5Pb93.5Ag1.5	0.60	±0.020		500,000 pcs	100	2,000,000 pcs
Sn63Pb34.5Ag2Sb0.5	0.55	±0.020		500,000 pcs	100	2,000,000 pcs
Sn/Ag/Cu:	0.508	±0.150		500,000 pcs	100	2,000,000 pcs
Sn96.5Ag3.5	0.50	±0.150		500,000 pcs	100	2,000,000 pcs
Sn95.75Ag3.5Cu0.75 *	0.46	±0.150		500,000 pcs	40	2,000,000 pcs
Sn95.5Ag3.8Cu0.7 *	0.45	±0.150		500,000 pcs	40	2,000,000 pcs
Sn95.5Ag4.0Cu0.5 *	0.406	±0.150		500,000 pcs	40	2,000,000 pcs
Sn96.3g3.2Cu0.5 **	0.40	±0.150		500,000 pcs	40	2,000,000 pcs
CASTIN125®***	0.35	±0.010		1,000,000 pcs	40	4,000,000 pcs
CASTIN258®***	0.304	±0.010		1,000,000 pcs	40	4,000,000 pcs
CASTIN305®***	0.30	±0.010		1,000,000 pcs	40	4,000,000 pcs
Sn96.8Ag2.6Cu0.6	0.25	±0.010		1,000,000 pcs	40	4,000,000 pcs
Sn98.5Ag1Cu0.5	0.10	±0.005		1,000,000 pcs	10	4,000,000 pcs
Sn/Zn:	0.08	±0.005		1,000,000 pcs	10	4,000,000 pcs
Sn91Zn9						

Patent Numbers: \*U.S. 5,527,628 \*\*JP 3,027,441 \*\*\*U.S. 5,352,407 U.S. 5,405,577 Japan 2,752,258

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