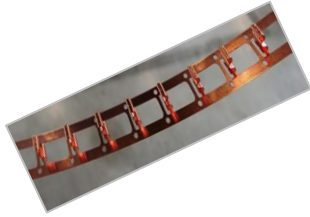


Capability enables densely packed electronics while improving yield rates in assembly process by eliminating product rework



As a world leader in high-precision stamped metal parts, Laird provides services in managing cleanliness throughout the production process. Within the automotive and medical sectors in particular, an increasing number of applications specify cleanliness in product drawings, which in turn, generates a requirement for a comprehensive particle analysis. Laird's quality assurance team and in-house measurement and analysis laboratories ensure process reliability and compliance with these new cleanliness requirements.



FEATURES AND BENEFITS

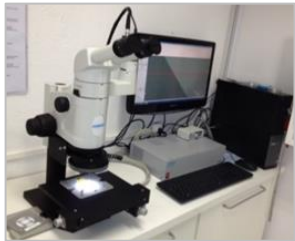
- Metallic particle size < 400 microns
- Single parts and endless strips cleaned, dried and packed in Tape & Reel or Trays
- No abrasion due to cleaning process
- Removes critical size/length of metallic particles
- Environmental friendly cleaning process

BENEFITS

- Prevention of electrical short circuits in dense PCB boards
- Reliable operational performance of electronic components
- Enhanced product quality
- No cross-contamination
- Elimination of product rework due to contamination failures
- Cleanliness consultancy service

TESTS

- Measuring laboratory for specific analysis is available



SPECIFICATION

- ISO 16232 and VDA 19

VALUE

- Optimized PCB/ densely packed electronics
- Improve customer's yield rate in both assembly and field
- Reduced warranty cost
- Good aesthetics improves brand image

Test results according to ISO 16232.10				
Material	Length of conductive particles	Max. quantity of particles per test of 1000 cm ² for class H		Weight of all particles
Colled rolled Steel, tin plated	< 400 μm	H5	32	max. 0,35 mg
Nickel Silver, no plating	< 400 μm	H3	8	max. 0,20 mg
BeCu, tin plated	< 400 μm	H5	32	max. 0,35 mg
Stainless Steel, no plating	< 400 μm	H3	8	max. 0,20 mg

USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.lairdtech.com

EMI-MET-DS-Clean Precision Metal_122114-1

Any information furnished by Laird and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird, Laird Technologies, Inc or any of its affiliates or agents shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2014 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.