



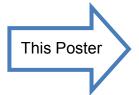
Poster Sessions are a great way to multitask during a break, stretch your legs after a long session, and even network through interaction with the poster presenters and other curious attendees. This year's session offers a variety of relevant topics that augment what you'll learn sitting in the general sessions.

CSH Coating for High Temperature

Ichiro Fujishiro—Yamaichi Electronics

Top Side Probing on Handler

Shaul Lupo—Intel Israel



"Auto-Centering Manual Actuator" —
One Manual Lid for Different Package Sizes Testing
Ying Hoe Mah, Shamal Mundiyath—JF Technology Berhad

Novel Approach Of Enabling Customer Shadow EPROM aka "EXTERNAL-EPROM" In HVM Environment

Maroon Maroon, Mouller Keren—Intel Corporation

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Poster Session





"Auto Centering Manual Actuator" One Manual Lid for Different Package Sizes Testing

Ying Hoe Mah, Shamal Mundiyath JF Technology Berhad

Conventional style manual actuator challenges

- Less accurate for package centering due to package tolerance (i.e. assembly spec)
- Need many in inventory for different package sizes
- Higher cost due to inventory build up
- Higher chance of misplacing
- · Higher chance of mistakes

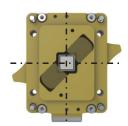
Innovation-driven solution

Auto Centering Manual Actuator (ACMA) offers an innovation-driven solution with high accuracy in centering alignment to cater to different package sizes using just a single manual actuator for reliable R&D, Engineering and Production verification purposes. Let's see how it's done...!



Poster Session

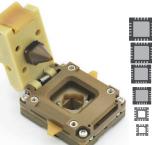
Auto-Centering Manual Actuator (ACMA)



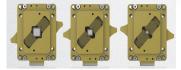
Two guiding jaws have been designed to position (center) various size packages for reliable testing.



Optimum thermal access hole for R&D and Engineering testing.



Various package sizes



Various package sizes positioned with one MA (2x2 to7x7mm) to the center.

Minimize the quantity of manual actuators and the resources for manufacturing. (Promote Eco-System)



Self-locking and aesthetic cam lever for low/high load application.



Spring loaded/vertical compliant device loading mechanism to enhance gram force for different sizes of packages under test.

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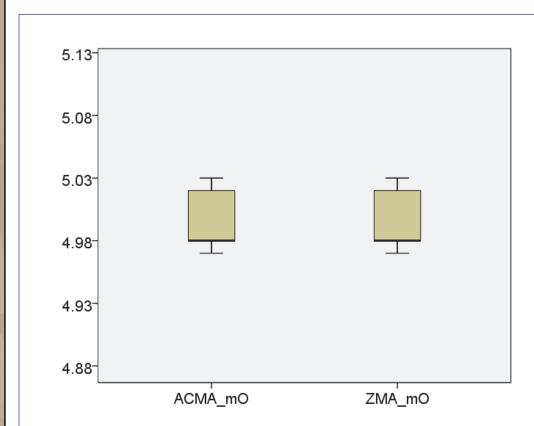
"Auto Centering Manual Actuator" One Manual Lid for Different Package Sizes Testing

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Poster Session

Comparable DC resistance performance



Descriptive Statistics

			Minim	Maxim			Std. Deviat	Varian		
	N	Range	um	um	Mean		ion	ce	Skewness	
	Statisti	Statisti	Statisti	Statisti	Statisti	Std.	Statisti	Statisti	Statisti	Std.
	С	С	С	С	С	Error	С	С	С	Error
ACMA_mO	50	.06	4.97	5.03	4.9962	.00344	.02432	.001	.384	.337
ZMA_mO	50	.06	4.97	5.03	4.9960	.00345	.02441	.001	.400	.337
Valid N	50									
(listwise)										

The Cpk index > 4.0 indicates both ACMA and manual actuator characteristics were comparable to the objective.

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