

# Tpcm™ Application Guide for Automation

TIM Print



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**A18557-00**

# Tpcm™ Application Methods

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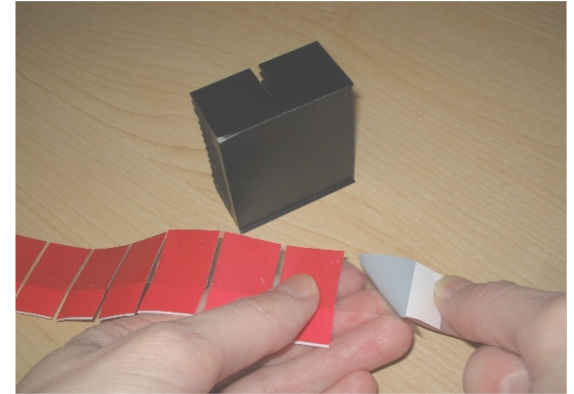
## Cut Through - Hand Applied

1. Remove liner from one side of the pad.
2. Align the pad on the mounting surface. Apply finger pressure across the entire surface of the pad to remove any trapped air.
3. Allow at least 1 to 2 minutes dwell time to allow the pad to wet the surface of the thermal solution. During this dwell time the adhesion improves. Once the material has “wetted” the surface it cannot be re-positioned.
4. Remove the top liner.

# Tpcm™ Application Methods

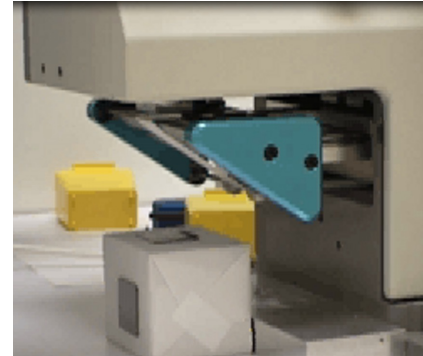
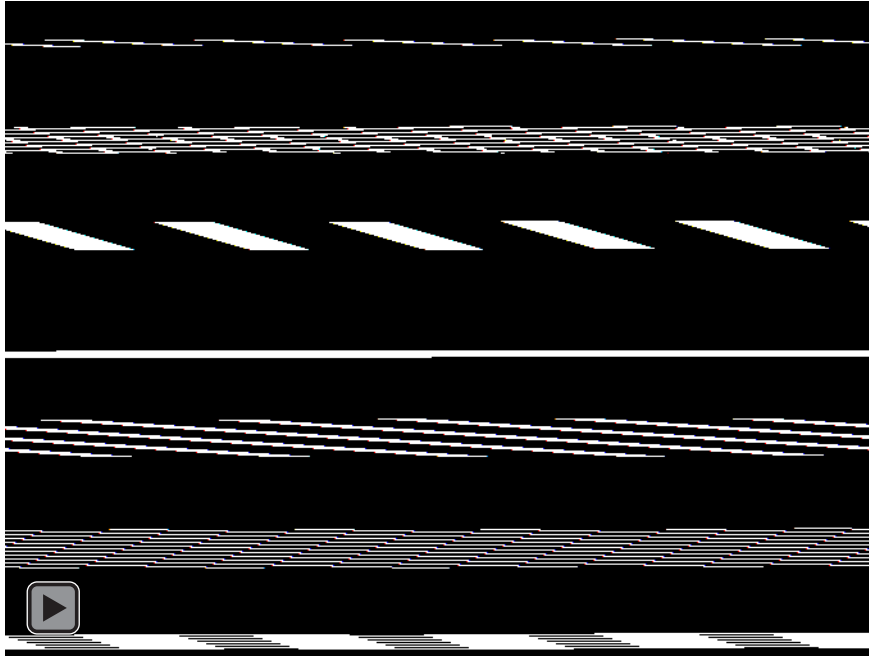
## Tabbed parts - Hand Applied

1. Remove the Tpcm™ material from the bottom liner by bending back the strip and gripping the top liner containing the tab
2. Carefully align and place the pad with the top tabbed liner onto a clean thermal solution. Apply finger pressure across the entire surface of the pad to remove any trapped air between the pad and the thermal solution.
3. Allow at least a 1 to 2 minutes dwell time to allow the pad to “wet” the surface of the thermal solution. (At cooler temperatures this could take longer) During this dwell time the adhesion improves. Once the material has “wetted” the surface it cannot be re-positioned.
4. When the thermal solution is ready for final assembly, the top liner should be removed by simply pulling the remaining tab.
5. If the top liner is to be removed immediately, more pressure is needed to adhere the pad. In this case, a roller or other device should be used to apply more pressure.

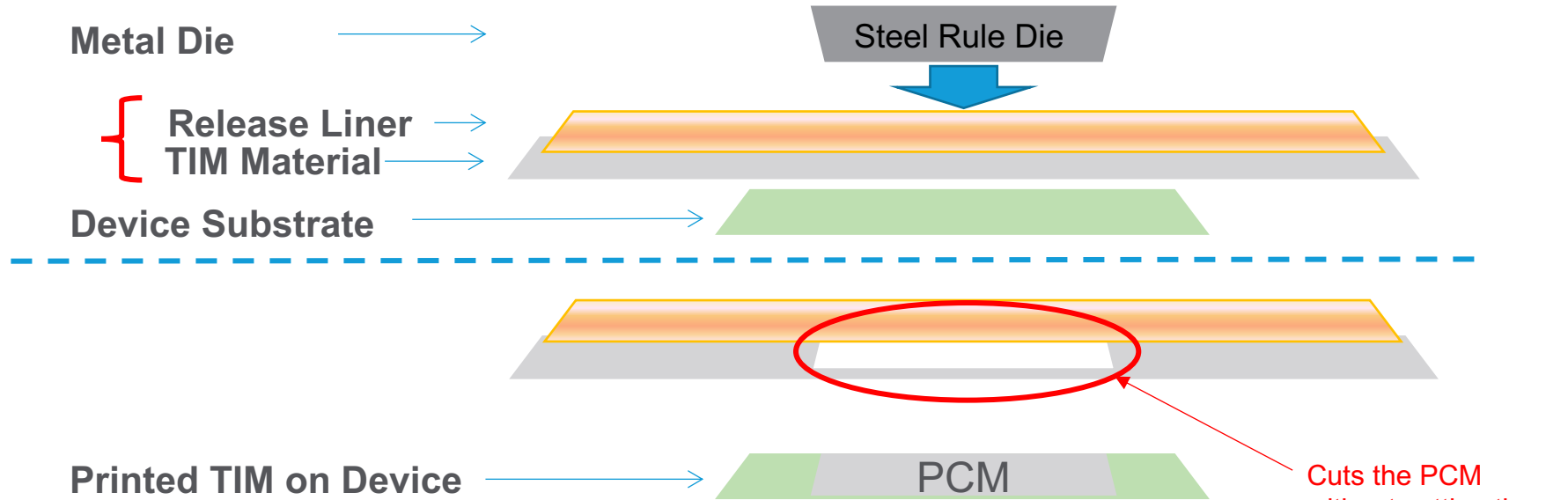


# Tpcm™ Application Methods

## Tabbed parts – Automated Application



# TIM Print - Process



Cuts the PCM without cutting the top liner maintaining the integrity of the roll process

- Tpcm supplied in master rolls of unconverted material
- Part design/shape dictated by a steel rule “printing block”
- Tpcm part design/shape is printed directly onto device substrate

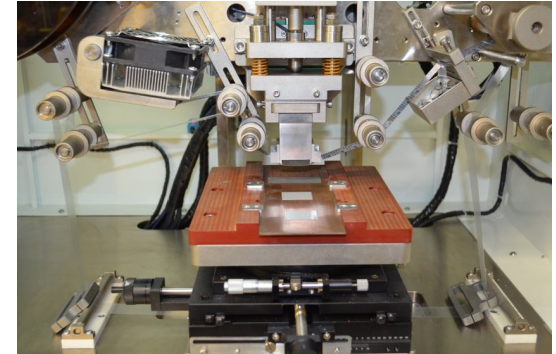
# Tpcm™ Application Methods

## TIM Print – Automated Application



TIM Print can be utilized with the following Laird materials:

- Tpcm™ 580
- Tpcm™ 780
- IceKap™ P30000
- Tpcm™ 5000
- Tpcm™ 7000
- SlimTIM™



Material and part size configurations can be demonstrated, and videos provide as requested.

# How to Purchase TIMPrint

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Laird does not provide the TIM Print equipment but rather partners with Fine Bridge as an automation expert.



Fine Bridge

Contact:

Sales: Yannie Wang

[wangyan@fine-bridge.com.cn](mailto:wangyan@fine-bridge.com.cn)

+86 18018121830

Sales Manage: Rain Wang

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+86 13057663502

President : Deane Shi

[shibojun@fine-bridge.com.cn](mailto:shibojun@fine-bridge.com.cn)

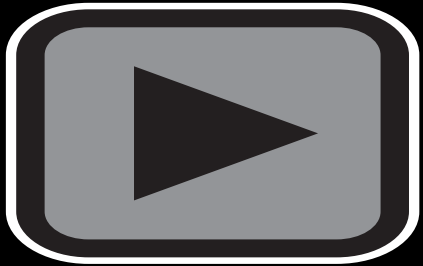
+86 18662278305

Webpage: [www.fine-bridge.com.cn](http://www.fine-bridge.com.cn)

- Suzhou Fine-Bridge Mechanical Electronical Technology Co. , Ltd founded in 2001, is a company that specializes in the design, production, and sales of nonstandardized automation equipment, carriers, and testing fixtures .
- The company has more than 260 employees, more than 60 engineers, with more than 250 sets of various manufacturing, testing and testing equipment.
- Headquartered in No.10, Hangqiao Road , XiangCheng Distric, Suzhou , China, one of the most high-tech area within China. The company has further operations in the Chongqing, Dongguan, and Chengdu, China and Fremont, CA USA.
- Long-term cooperative supplier of Quanta, Pegatron, Foxconn and many other international famous enterprises.

# TIM Print – Commercial Testimonial

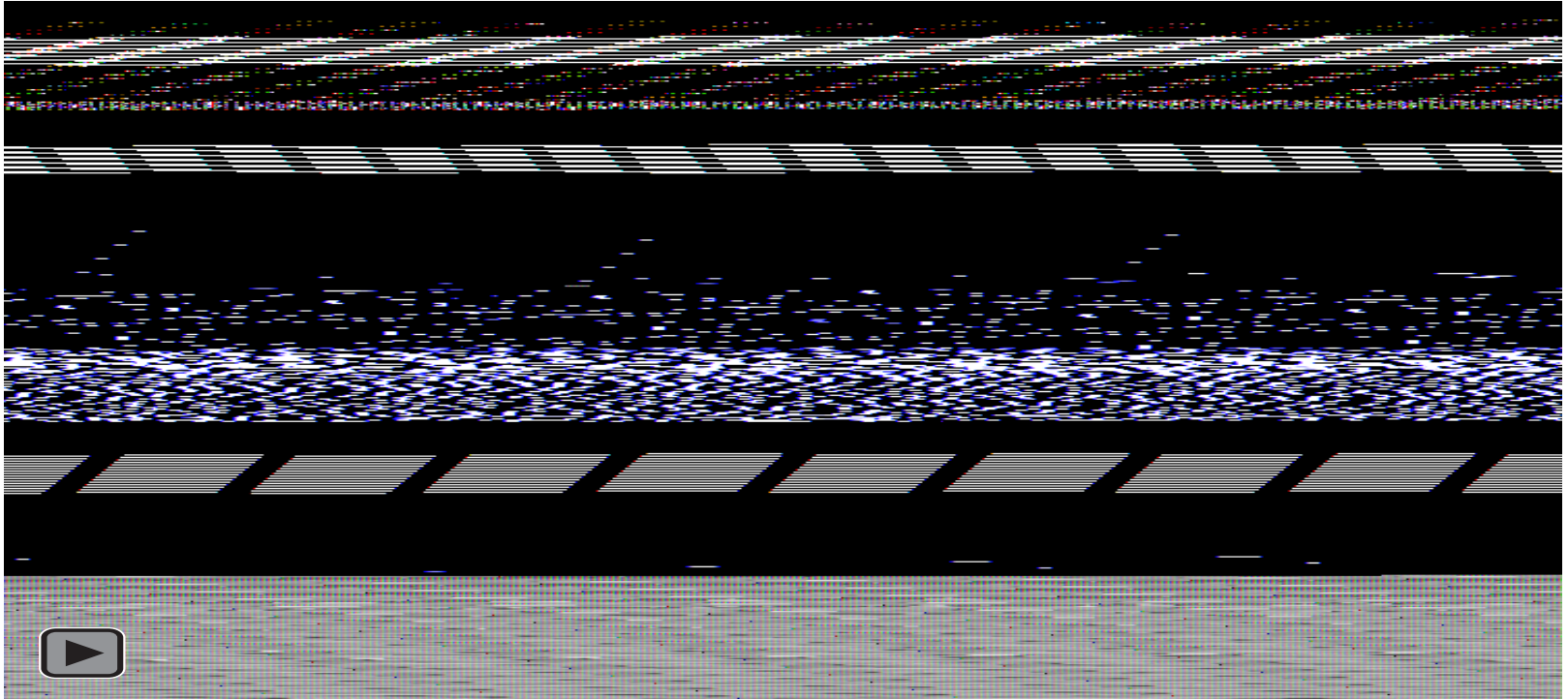
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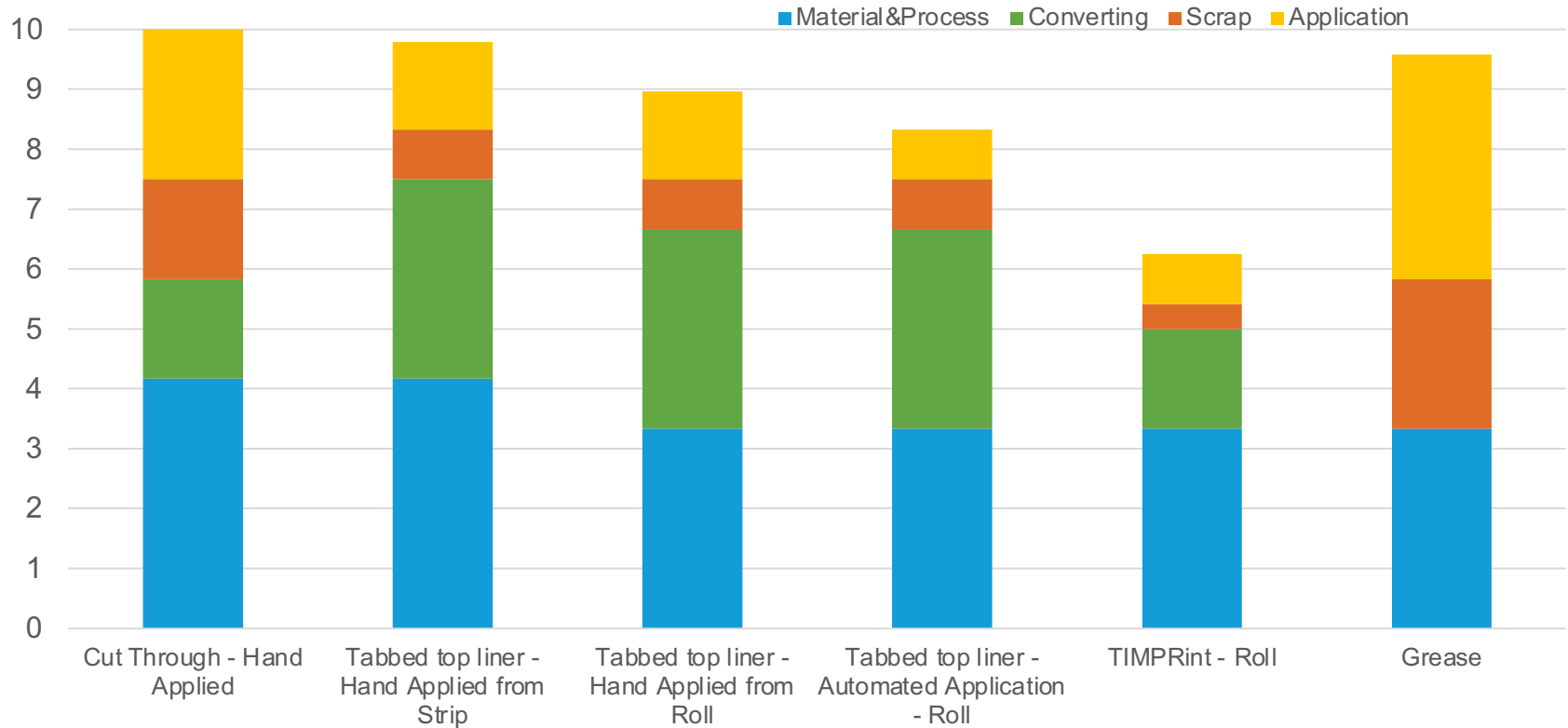


# TIM Print – Commercial Testimonial

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# Tpcm - Total cost of ownership





**Laird**<sup>TM</sup>

A DuPont Business