

## Robotically Applied Tape vs Pumpable Materials.

L&L Robotically Applied Tape technology combines dry-to-the-touch heat-activated adhesive or sealant materials with fully automated application by robot using the RoboTape™ system by Innovative Automation. Compared to traditional pumpable materials, the L&L solution enables tremendous flexibility in when and where the sealant material is applied, whether at a tier plant or directly on the assembly floor.

## L&L Robotically Applied Tapes.

Seals cavities over 25 mm in height ✓

Up to 2000% volumetric expansion ✓

Dry to touch ✓

Controlled placement around holes or keep-out areas, optimized for application needs and material volume ✓

Stack for packaging ✓

Weld-through compatible ✓

Very little waste ✓

E-coat/washout resistant ✓

Compatible with high and low bake ovens ✓

Can be applied at tier/stamping ✓

- Long shelf life on the part
- Potentially less mess/contamination
- Less sensitive to humidity
- More robust during impact in uncured state

## 1K Pumpable Materials.

Only seals cavities up to 25 mm in height

Volumetric expansion limited to 600% – 800%

Tacky

Standard bead is deposited

Handle with care, avoid disturbing the material

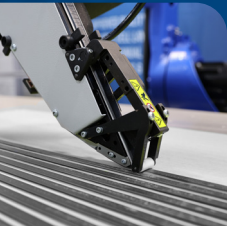
Cannot be welded through

Purging waste

Can be disturbed in handling, potential for washout

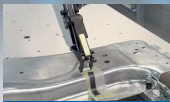
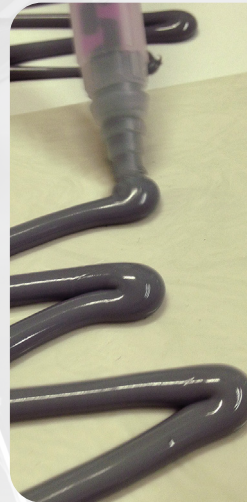
Limited to low bake ovens

Must be used immediately



**ROBOTAPE**  
by Innovative Automation

Innovative Automation's RoboTape™ Tape Automation System applies L&L Seal and L&L Bond heat-activated materials.



Contoured Surfaces



Curved Paths



Die-Cut Replacement



Scan for disclaimer

C1-PUBLIC