

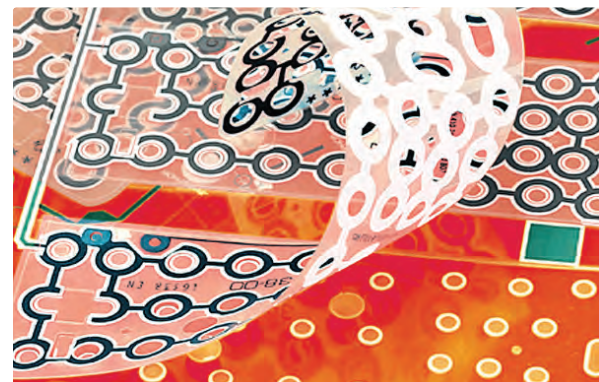
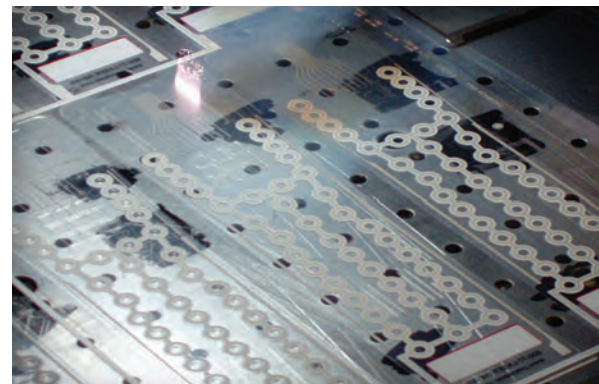
Entire sheet:
1 minute processing time
(manual load and unload)

**Total cutouts including
perimeter: 900**

**Raw Material Sheet
With 12 Parts**

Four 9 inch cutting
quadrants

Camera registration
marks. Two per quadrant
for XY and rotation
registration.



Critical Laser Benefits

- Producing a sealed adhesive edge to prevent reflow, tackiness and re-closure (1)
- Producing narrow slots that do not re-attach or close in the laminated structure (2)
- Producing small holes through adhesive layers that remain open after placement and throughout product life (3)
- Producing small features that are dimensionally stable and easily drop out of the matrix when stripped (5)

Total Processing Time:
2 seconds

Cutting Accuracy:
 $\pm 0.10\text{mm}$ (± 0.004 in.)

CO₂ Laser Power:
200 watts

PET Film Thickness	0.075 mm	0.003 in
1. Via Separation	0.500 mm	0.019 in
2. Slot Thickness	0.100 mm	0.004 in
3. Via Diameter	0.280 mm	0.011 in
4. Square Separation	1.500 mm	0.059 in
5. Hole Diameter	2.470 mm	0.097 in
6. Overall Registration to Print	± 0.100 mm	± 0.004 in

Total cut outs including perimeter: 75

