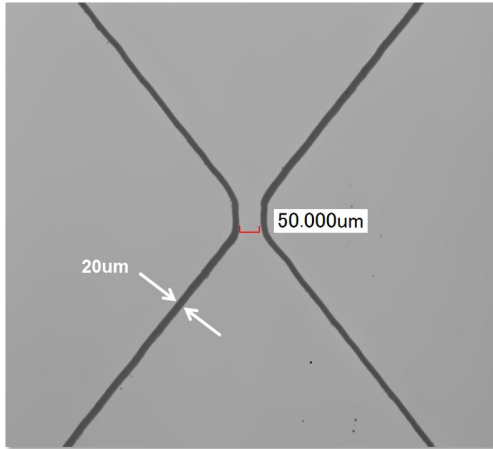


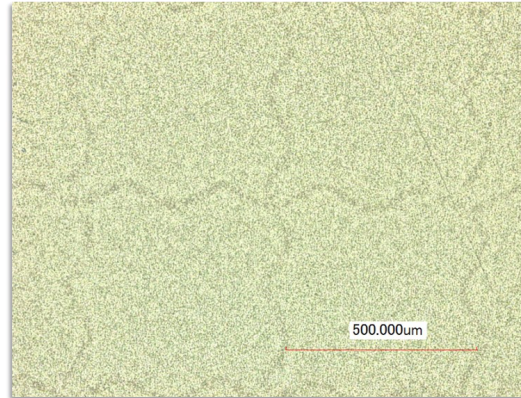
TC film (ITO, AgNW) and silver paste patterning tool

Parameter	Performance Range
Cost per sensor patterning	as low as 20% of photolith
Capacity, sensors per month	14": up to 400,000 27": up to 100,000
Transparency	Best-in-class
Incremental Haze and Color Coordinate	Near-zero
TC isolation line width	25um to 50um standard, <10um in development
Silver paste line width	<30um standard, <10um in development
Pattern accuracy	<5um
Established TC material processes	Sheet Resistance: 50 – 200 Ohm/sq
Maximum patterning area	Up to 1 meter by 2 meter
ProTect™	Patterning through protective film
nSpec™	Auto-scale to PET shrinkage
Material handling	S2S, R2S, R2R

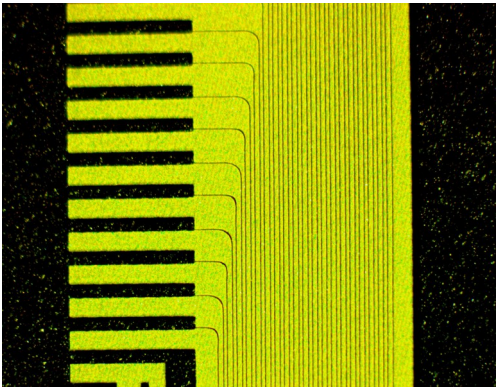
Laser patterning enabling your competitive advantage



ITO on Glass or PET

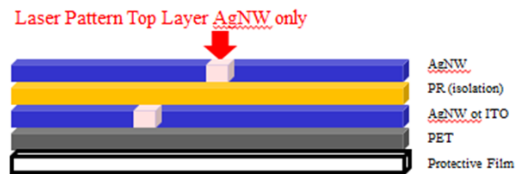


AgNW on Glass or PET



Silver Paste on Glass or PET

- <30µm scribe standard
- <10µm scribe in development



One-Film in Development: