



# Laser Profile Thickness Tracer – LaserPT

## 3-in-1 Functions

- Surface Thickness Measuring
- Surface Curvature Measuring
- 3D Shape Digitizing

Patent No.: 200520054113.6



Auto



Manual

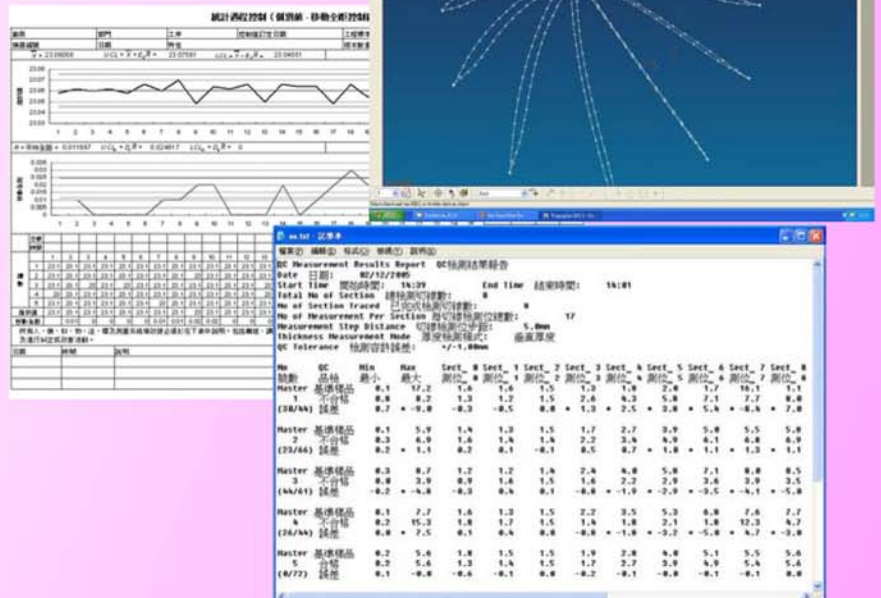
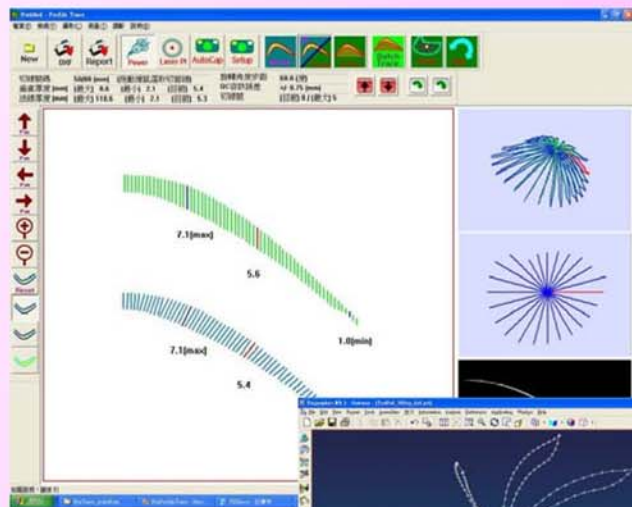
Using rotational or linear holder to trace thickness

### Product Features:

- ✦ High speed measurement (about 1 sec/ measurement)
- ✦ Capable of connecting with notebooks and computers
- ✦ Non-contact and non-destructive measurement
- ✦ Assist shrinkage and distortion control
- ✦ Capable of generating QC report
- ✦ Support statistical analysis and control usage
- ✦ Capable of rotational or linear profile tracing
- ✦ Export to CAD software (e.g. UG, Pro-E)
- ✦ Export to other software (e.g. Microsoft Excel)

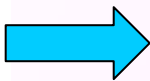
### Specifications:

Machine Dimension: (L x W x H)	36 x 20 x 45cm (Manual) 38 x 38 x 46cm (Auto)
Laser:	Class II, 670nm wavelength, visible light spectrum, eye-safe
Measuring Region: (L x W)	160mm dia x 110mm (Height)
Measuring Time:	About 1 sec to measure sectional thickness
Power:	220V AC 2A
Holder:	U-shape holder, manual rotational holder or auto-rotate holder

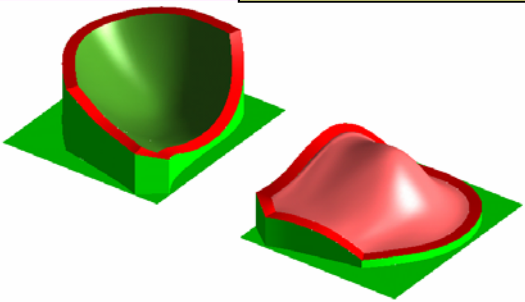




3D Laser Scan



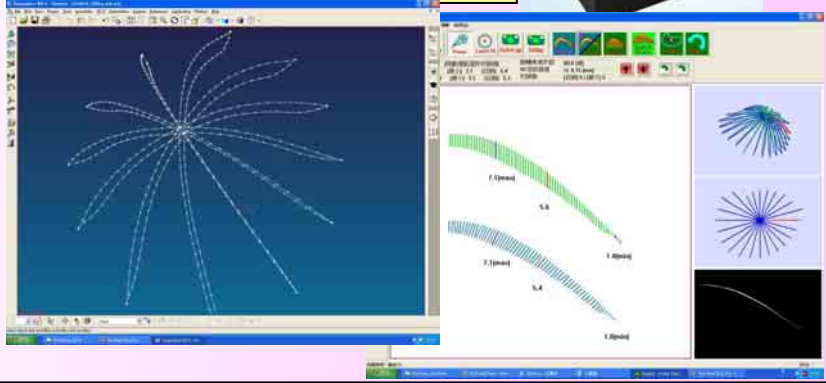
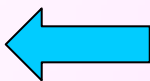
Computerized mould design



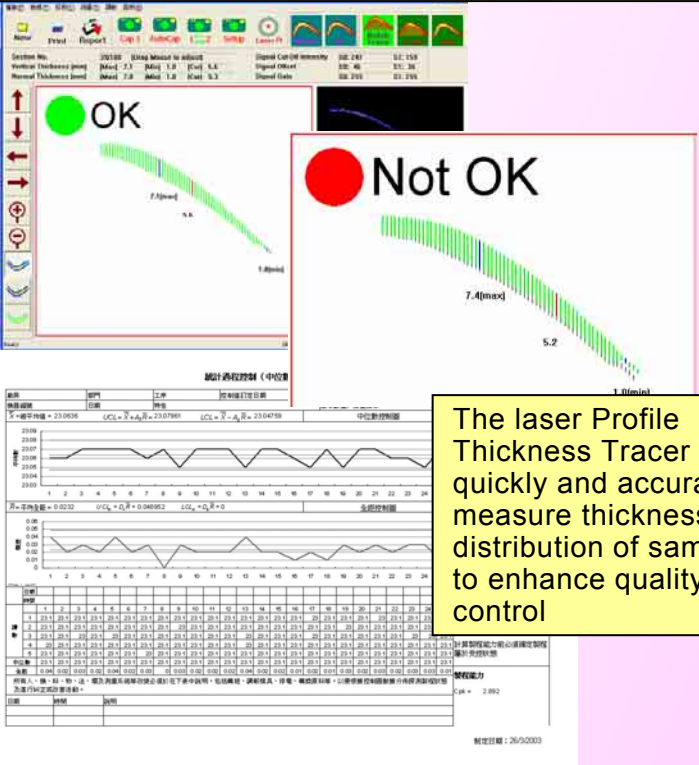
Utilize laser thickness measuring to compensate shrinkage & distortion



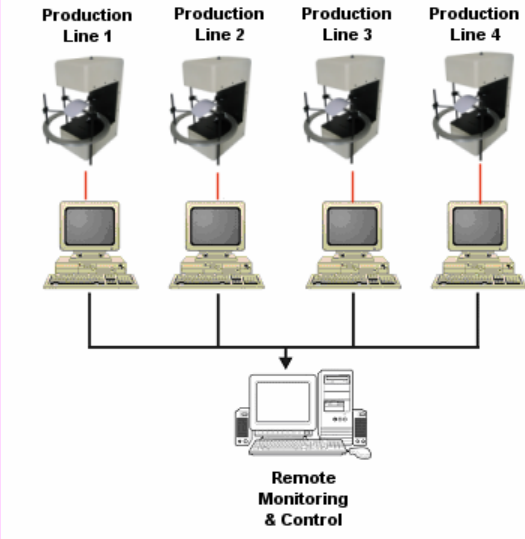
High quality mould



In computerized mould making process, the most difficult problem is the shrinkage and distortion of product. The Laser Profile Thickness Tracer can assist the computerized mould making by checking the thickness profile of the pilot sample and thus applying shrinkage and distortion compensation accordingly to shorten mould making lead time and enhance product quality.



The laser Profile Thickness Tracer can quickly and accurately measure thickness distribution of sample to enhance quality control



- Can accompany with Statistical Process Control (SPC) system to control product quality in a preventive manner.
- Easy to monitor QC results of different product lines via network.
- Can generate measurement and QC reports



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