



TO : Department of Physics, National Taiwan University  
ATTN: Jenny

## QUOTATION

DATE: 2017/04/28

VALIDITY: 30 days

### O.G.P. SMARTSCOPE ZIP450EXT 3-axis Video Measuring System

Machine Image:



- ◆ **XYZ Travel:** 450 x 610 x 200 mm
- ◆ **XYZ Scale resolution:** 0.1um
- ◆ **Drive system:** DC servo with 4-axis control (X,Y,Z,zoom) with joystick
- ◆ **Worktable:** Hardcoat anodized, with fixture holes, removable stage glass,  
50 kg recommended max payload
- ◆ **Optics:** 5:1 **AccuCentric auto-calibrating zoom ( Patent Number 5,389,774)**,  
motorized with 40x–200x on-screen  
magnification; 1.0x front replacement lens; 1.0x adapter tube
- ◆ **Illumination:** Substage LED profile (green), coaxial LED surface (white), patented  
**SmartRing LED ring light (white) ( Patent Number 5,690,417)**
- ◆ **Camera:** High resolution color CCD , 256 level grayscale processing with  
10:1 subpixel resolution
- ◆ **Power requirements :** 115/230 vac, 50/60 Hz, 1 phase, 700 W
- ◆ **Rated environment :** Temperature 18-22° C, stable to ±1° C; 30-80% humidity; vibration <0.001g  
below 15 Hz; Operating environment, safe operation 15-30° C
- ◆ **Controller :** Intel Core i5 Processor with 2 GB RAM, 100 GB hard drive, on board 10/100LAN,  
Microsoft Windows 7 Professional, USB 2.0
- ◆ **Controller accessory package :** 22" flat panel LCD monitor, keyboard, mouse



◆ **Metrology software:** MeasureMind 3D MultiSensor measurement software for general purpose dimensional measurement, easy-to-use graphic interface; OGP exclusive full field-of-view edge analysis with tools for arc, circle, line, edge trace, minimum point, maximum point, average point, centroid, and focus. Algorithms are automatically optimized based on the unique characteristics of each edge, improving accuracy and providing unsurpassed performance.

◆ **XY Area accuracy:**  $E2 = (1.8 + 4L/1000)\mu\text{m}$

◆ **Z Linear accuracy:**  $E1 = (2.0 + 5L/1000)\mu\text{m}$

---

**NT\$4,300,000.** (Include V.A.T. 5%)

Remark:

Warranty : 1 year (Includes:Install,training,service)

Delivery Day : Please be noted, in response to the US production line full, please confirm the transaction before 5/15, the machine delivery will be delivered before 7/20.

Place of Delivery: DDP Department of Physics, National Taiwan University

Payment Term: T/T50% By Order ; T/T50% At Sight

---

Taiwan Optical Measuring Instrument Co.,Ltd.