High Speed Wafer Screening system

Cosmo Finder

This is a new Wafer Inspection System that realizes the inspection with high speed and high resolution based on the microscope.

Features

1. High-speed inspection

Tact time for 6”Wafer : 10min
@5x objective, Minimum resolution : 0.69μm

2. High Versatility

Capable of viewing the wafer map and registration of image processing parameters.

3. Automatic Alignment

Error is reduced by automatic alignment with X, Y and θ.

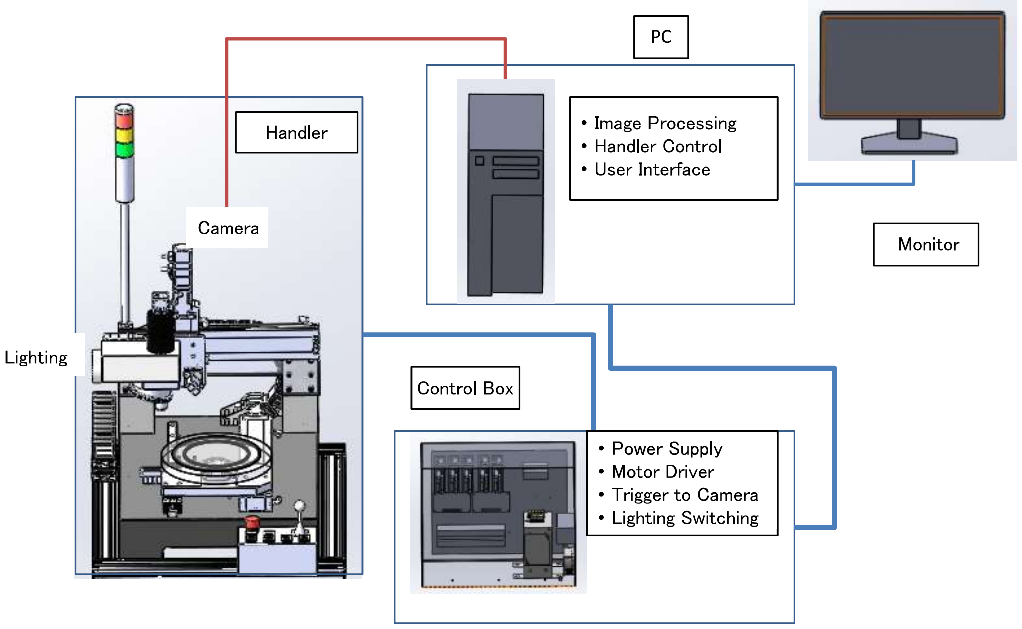
4. Customizable

Capable of customizing depending on the wafer size, objective magnification and so on.

5. Linking with Wafer loader

Capable of extending to the cassette automatic inspection system with linking with wafer loader.

System Configuration



- Image Processing
- Handler Control
- User Interface

- Power Supply
- Motor Driver
- Trigger to Camera
- Lighting Switching

Specifications

Items		Specification
Camera ※Specification changeable		
	Type	5M pixels画素CMOS Camera(2448×2048Pixel)
	Sensor size	2/3″ (8.4×7mm)
	Frame rate	25FPS
Optical System ※Magnification changeable		
	Objective	5x, WD : 20mm, NA : 0.15
	Camera adoptor	0.5x
	Field of View	3.4×2.8mm @ 5x
	Pixel resolution	1.38μm/Pixel @ 5x
	Lighting	Coaxial episcopic illumination
	Light source	White LED
Stage ※Size changeable		
	Travel of X-axis	250mm
	Travel of Y-axis	350mm
	Travel of Z-axis	50mm
	Moving speed of X and Y	MAX 100mm/sec
	Repeatability of X, Y and Z	±0.02mm
	Angle range of θ-axis	±10°
	Repeatability of θ	±0.004°
AF		
	Method	Triangulation using laser light
	Detection accuracy	±1μm
	Interval	1 time per 1 device
	AF time	less than 100msec(except the exposure time)

*Please understand that the product name, specifications and model number may be changed without a notice.

●Developer
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