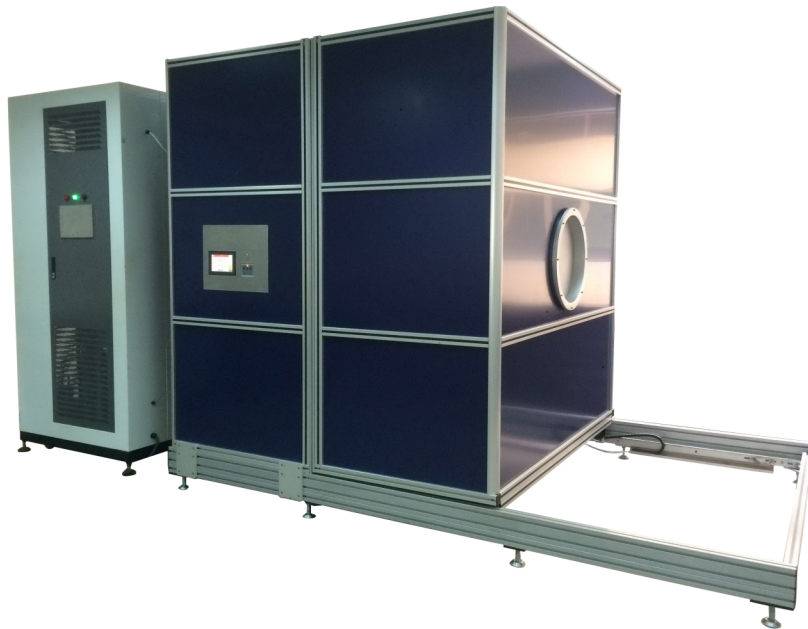


MSPD2CT-1500 INTEGRATING SPHERE**Performance Indicators**

Lifetime of machinery: 10 years
Lifetime of diffuse reflective coating: 5 years
Stability: Room temperature/High temperature
Humidity: 20-80%RH
Storage Condition: Rain/Dust Proof

Application

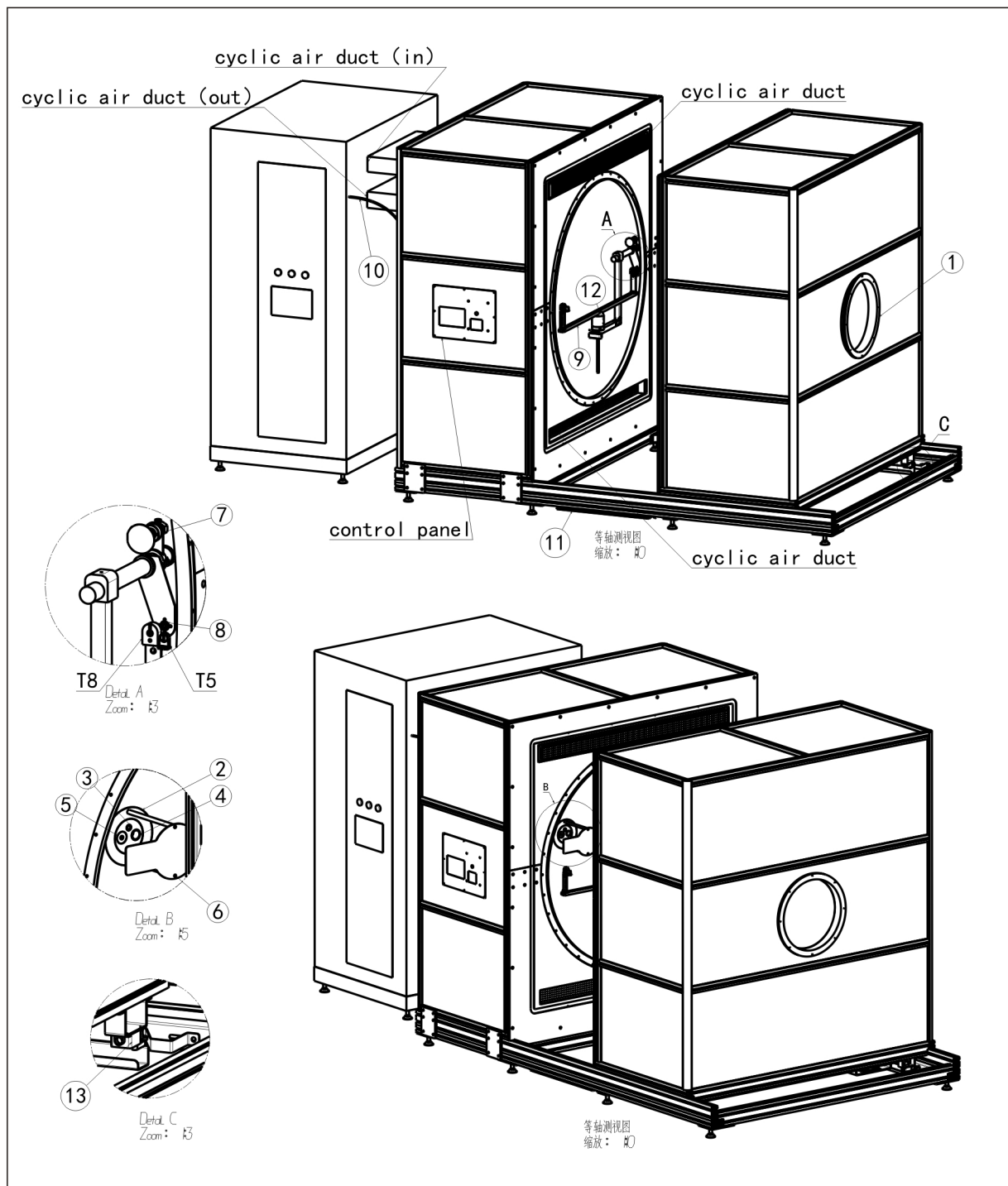
LED Thermal Test
LED Display Measurement
Phosphor performance Test
LED Backlight Measurement
Luminous Flux Measurement
Efficacy Measurement

Picture**Specification**

- (1) The material of the sphere and the frame is aluminum alloy
- (2) The range of temperature :25~85℃.
- (3) The accuracy of the constant temperature: $\geq \pm 1^{\circ}\text{C}$. The uniformity of the temperature inside of the sphere can reach $\pm 1^{\circ}\text{C}$.
- (4) The way of heating is transmitting outside of the sphere, and the technology of the heat preservation is overall, the range of temperature can reach 90℃. There is no airflow effect. And there is heat protection outside, it can protect the staff to avoid the empyrosis.
- (5) The cross laser is set inside of the sphere, it can help to adjust the luminaire to the center of the sphere exactly. The situation of the luminaire can be monitored through the LCD outside.
- (6) The pneumatic switch is set to open and close the sphere, when opening and closing the sphere, there is a buffering to protect the sphere. Also there is Infrared light curtain to avoid nipping when closing the door.
- (7) The measurement: both 2pi and 4pi.

MSPD2CT-1500 INTEGRATING SPHERE

Drawing



MSPD2CT-1500 INTEGRATING SPHERE

constitution

1	φ 500mm side opening	2	φ 200mm port (replaceable)
3	port for temperature detector	4	port for optic detector
5	port for fiber	6	baffle for all ports
7	port for auxiliary lamp	8	cross laser (to find the center of the sphere)
9	lamp socket for tube light(t5.t8)	10	temperature detector
11	Infrared light curtain for safety	12	E40 socket (with E27 socket)

Reflectance of coating

The reflectance above 95%(300nm~900nm)

