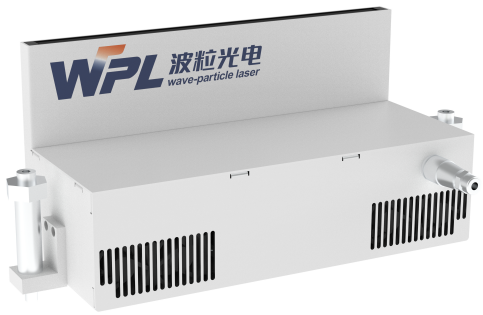
Model O-12CA-C84X-V1.1B

Overview



OSI Module is a near-infrared laser light source, matching high-definition line scanning camera. It is mainly used to detect defects such as hidden crack and missing edges in the whole process.

While using,it is necessary to separate the laser source and the line scanning camera on the upper and lower sides of the measured object.With the performance of better direction of the laser,penetrate the silicon wafer and image it at the end of the camera.Laser has the advantages of longer wave-length, stronger penetration, high brightness, highuni-formity and sharper silicon edge imaging.

Besides hidden crack and broken edges, OSI Module can detect a variety of defects such as dirty, finger marks and so on. Users can identify, judge and remove defective products online through computer image recognition technology.

The high-quality imaging of the OSI module combined with a mature image algorithm can be up to 99% detected rate, reduce the back-end fragmentation rate, and save a lot of costs for users. At the same time, it caneffectively control the quality of suppliers' incoming materials and real-time process defect self-inspection.

Characteristics

- Excellent defect detection effect
- High detection rate of 99%.
- High uniformity and brightness
- Meet differentproduction lines
- Hidden cracks and broken edges detected both
- More cost-effective.

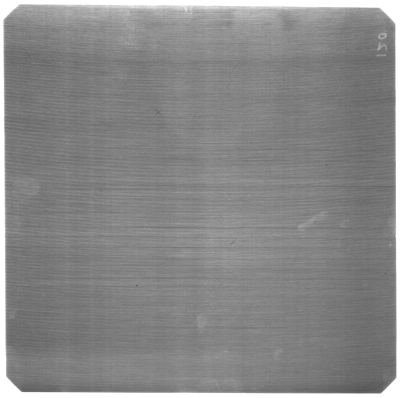
Main Parameters

Type	☑ PERC ☑ TOPCon ☑ HJT
Process	☑ Raw silicon wafer ☐ Texturing ☐ Front-PE ☐ Post-PE ☐ Screen Printing ☐ Post-furnacing ☐ Post-EL
Size	☑ 166mm ☑ 182mm ☑ 210mm ☑ 230mm
External Trigger voltage	☑ 24V ☐ 12V ☐ Not
Product Form	☐ Convex ☑ L ☐ Z ☐ T ☐ others
Beat (pcs/h)	☑ ≥3600 ☐ <3600
Color	☐ Black ☑ White

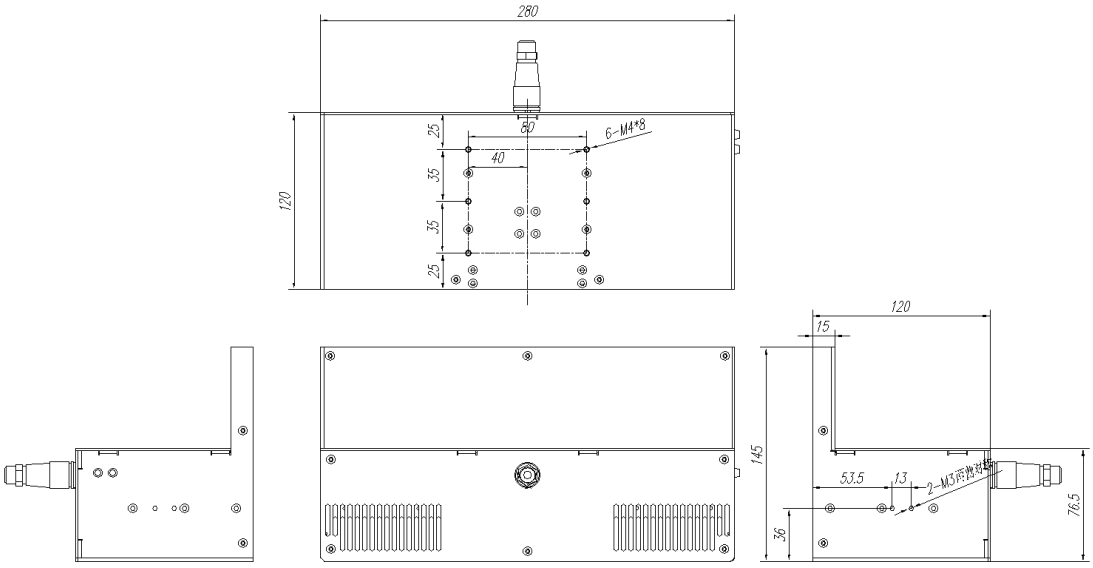
Other Parameters

Parameter	Unit	Typical Value
Luminescence length	mm	260
Safety level		Class 1
Input	V	24
Power	W	150
Ambient temperature	°C	+10 ~ +35
Storage temperature	°C	-20 ~ +60
Dimension	mm	280*120*145

Application Display



Dimensions（mm）



Caution

1. Please keep the laser emission port unobstructed and avoid eye exposure to the laser directly.
2. Please do not plug or unplug laser power plug with electricity to prevent laser breakdown.
3. Please contact the manufacturer promptly in case of any malfunction.
   Do not disassemble it to avoid damaging internal precision components.

CE

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