



Wafer 125 mm
/ 156 mm
Cap 3000 w/hr.
Uptime > 97%
Breakage < 0,08%

WAFER HANDLING QUALITY

Check and Carrier Loading

Wafer quality is crucial for achieving efficient solar cells. Using better quality wafers from the start of your production process increases your cell yield and efficiency. Why waste your time and increase your costs by processing poor quality wafers?

The Jonas & Redmann WHQ detects poor quality wafers and eliminates them at the start, saving you both time and money. The WHQ is a combination of a Wafer Inspection System and a carrier loading module which can be configured to meet your incoming inspection (material receiving inspection) needs.

- gentle wafer handling in unloading magazines and loading carriers
- non-contact quality measurement systems
- modular designs that are flexible for many factory situations and requirements
- proprietary handling technology that ensures the lowest breakage rate and the highest throughput – up to 3,000 wafers / hr.

Jonas & Redmann WHQ

Features and Options

Magazine Unloading	Wafer Inspection		Carrier Loading	Options
Jonas & Redmann Wafer Magazine and others on request	2-D optical control	TTV	wet chemical Carrier, Jonas & Redmann Automation Carrier or others on request	MES connection, e.g. Secs GEM, XML Semi PV02
very gentle wafer handling by Jonas & Redmann Bernoulli Gripper				interlinking with automated transport and storage system
				operator languages English, Chinese others on request

Jonas & Redmann
Magazin



Jonas & Redmann
Carrier



Inspection Module