

# Rudolph WS3880

## Bump Inspection

Serial Number WS3095

Currently Configured for 300mm wafer size MFG Date: Dec 2012

### EQUIPMENT DETAILS:

Bump inspection system, 12"  
XPort, wafer scanner, ISO class 1  
EFEM Outfitted with a dual arm robot

XPort capable of handling:

Standard wafer thicknesses (725um) down to 400 micron thickness for 12" wafers

Standard features:

Automated whole wafer handling  
Dual arm vacuum assist backside wafer handling  
End effector  
Integrated laminar clean air flow mini-environment (ULPA Filtration)  
Robot with integrated mapper  
Brooks Vision loadports, ATR9100, w/o Mapping  
Brooks Vision 12" load ports

Capabilities:

Local LCD user interface  
(30) Predefined fab specific indicators, labels, and buttons  
Customized indicator, labels, and buttons

E84 OHT ready

E99 carrier ID ready

Class 3B laser at 830nm wavelength for 3D measurement.

3D sensor assy / computer, 5um / 8MHz, WS3880

Standard, 3D height verif wafer, 24um, 12"

Ringlight assy, 3.5mm clearance

Objective, 20x, long working dist, LMPLFL20XBD

Dual OCR, Xport

Ionizer assy, 44" Aerobar, XPort

Clean air supply ionizer (AXi/XPort)

Bar code reader, UPH and XPort, USB

Computer, remote defect review

INTERNAL



CONTROLLER/PC



CONTROLLER/PC



PC



FRONT



BACK



SIDE



SIDE



# Wafer Scanner Series

INSPECTION SYSTEM

**VOLTAGE RANGE**  
208-240 VAC

**NUMBER OF PHASES**  
Single Phase + GND

**NUMBER OF WIRES**  
Conductors: (2 + GND) are  
3x1.55 mm<sup>2</sup> (16 Amp Rating)

**RATED FREQUENCY RANGE**  
50/60 Hz

**RATE FULL LOAD CURRENT**  
10 Amps Max

**MAXIMUM PNEUMATIC WORKING  
PRESSURE**  
110 PSI (758.42 kPa, 7.58 bar),  
Usage: 2 SCFM

**MODEL NUMBER: WS2000**  
**SERIAL NUMBER: WS3055**  
**MANUFACTURED DATE: 12/12**  
**MAIN SERVICE DOCUMENT: 726814**

**AMPERE RATING OF THE LARGEST  
MOTOR OR LOAD**  
5 Amps

**MCB RATE SHORT CIRCUIT  
INTERRUPTING CAPACITY**  
Breakers CBI-CBS Rated for  
5000 AIC

**AMPERE RATING OF THE OVER  
CURRENT PROTECTION DEVICE**  
15 Amps

Complies to 21CFR1040.10 & 1040.11 at date of  
manufacturing

UL Recognized Person  
**European Manager**  
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**RUDOLPH**  
TECHNOLOGIES

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