

# INDEXING WAFER HANDLER

## Falcon IWH 48

The Falcon Indexing Wafer Handler 48 can send or receive 4" to 8" silicon wafers from most standard wafer cassettes. No teaching is needed when switching between 4" through 8" wafer cassettes. The Falcon IWH 48 comes in a clean room ready stainless steel package. Its belt driven conveyors provide safe, smooth transport of wafers in and out of the cassettes. A lamp tower indicates ready and not ready states, prompting the operator to replace a cassette when needed. SMEMA compatibility comes as a standard feature, allowing the Falcon IWH 48 to integrate with most other equipment.

Along with Sikama's Falcon ICS 412 (Inline Flux Coating System) and Falcon 8500 (reflow oven), we provide a cassette to cassette system for wafer bumping. Whether you plate, screen or use ball-attach, Sikama International can now supply you with a total solution for your bumping requirements.



### FEATURES

- ◆ SMEMA compatible
- ◆ Automatic wafer/cassette detection
- ◆ Simple robust design
- ◆ Handling of empty, partial or full cassettes
- ◆ Precision ball screw and servo drive control for smooth, exact operation
- ◆ Modular electronic components allow for simple repair and troubleshooting
- ◆ Small footprint means less floor space required

### INTEGRATED SAFETY FEATURES

- ◆ Signal tower as standard.
- ◆ Servo controlled force limiting for operator protection.
- ◆ Emergency stop button.

**SIMPLE • EFFICIENT • ECONOMICAL**

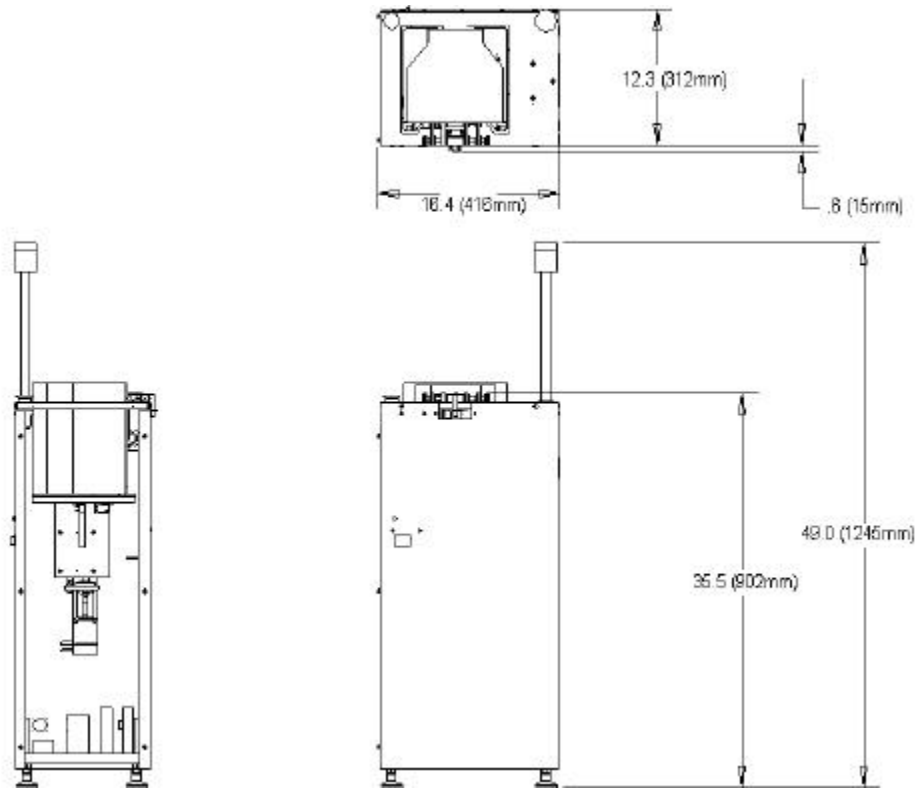
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### SYSTEM REQUIREMENTS

#### POWER

110 VAC to 220 VAC, single phase power, selectable, direct or through the ICS 412 Flux Coater or the Falcon 8500 Reflow. Systems equipped with dual 10 amp fuses.



**SIKAMA**



*For more information contact:*

Sikama International Inc.

118 E. Gutierrez Street • Santa Barbara, CA 93101

Phone: (805) 962-1000 • Fax: (805) 962-6100

e-mail: [sales@sikama.com](mailto:sales@sikama.com) • <http://www.sikama.com/>

## SIMPLE • EFFICIENT • ECONOMICAL

All Sikama product designed and manufactured in Santa Barbara, California  
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