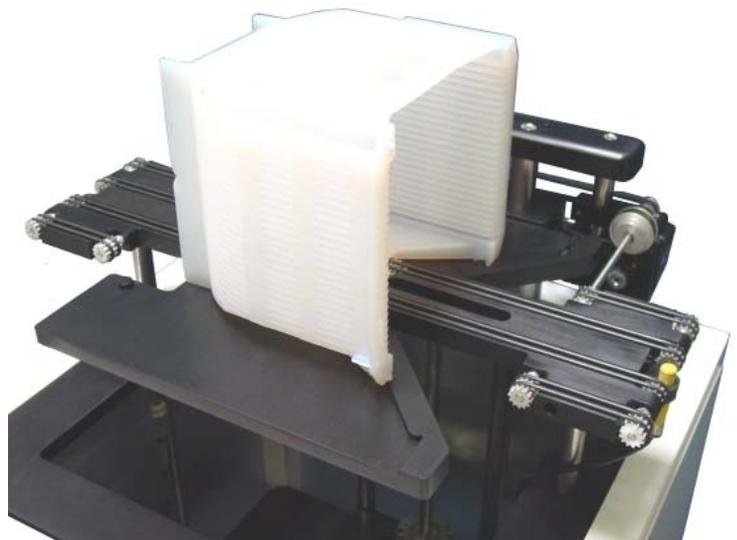


## Wafer Indexer/Buffer IB-300 Series

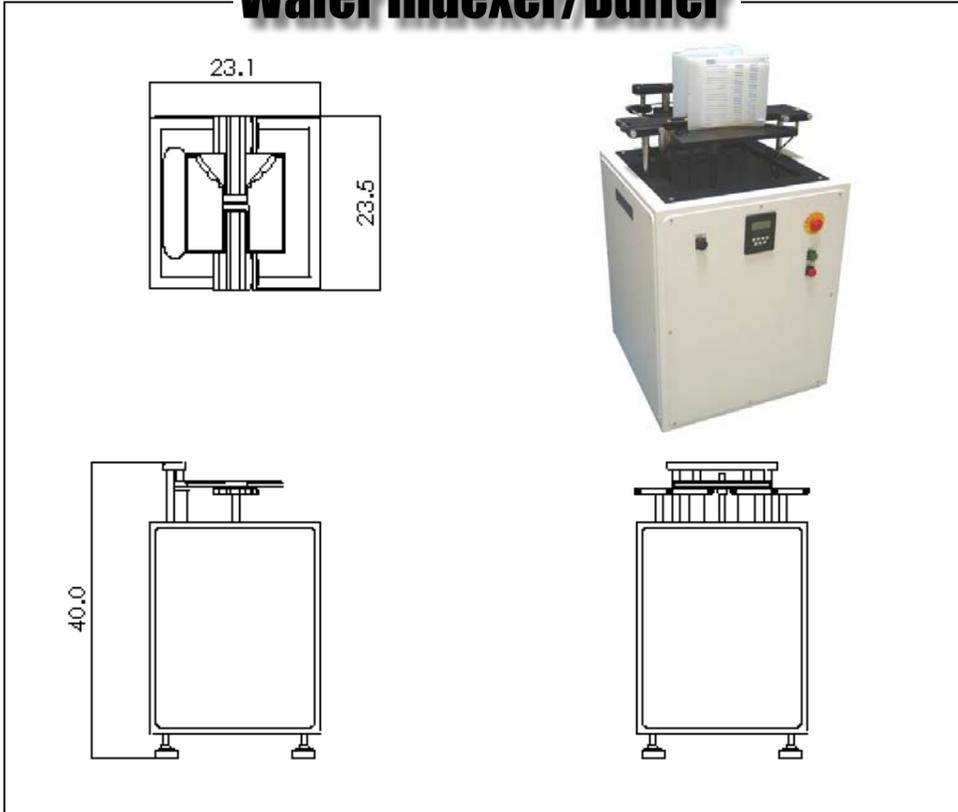


Model #SF-300IB

- Handles wafer sizes from 100mm to 300mm (open bottom cassette) without any tool change.
  - Automatically detects wafer/cassette size.
  - Integrates easily with all types of reflow/curing ovens.
  - Programmable for any cassette pitch or number of wafers per cassette.
  - Belt drive in front and behind the “H-bar” for superior wafer handling.
  - Encoder feedback to automatically match adjacent oven belt speed, for a smoother transition.
  - Multiple capacitive sensors for each wafer size.
  - Servo-drive control with high-quality ball screw ensures smooth, precise operation.
- 
- Multiple indexers can be placed in-line for increased throughput.
  - Handles empty, partial, or full cassettes.
  - Available communication protocols are SMEMA, SECS/GEM, Modbus, and Ethernet (remote diagnostics).
  - LCD touch pad for easy programming.
  - Can serve as a buffer when used with a pass-through cassette.



### Wafer Indexer/Buffer



#### TRANSPORT SYSTEM

- Servo controlled z-axis has 24" travel
- Maximum allowable cassette weight is 50 lbs
- Programmable servo controlled belt speeds from 0 to 100 inches per minute
- Input for encoder feedback from adjacent equipment (e.g. reflow oven) to match belt speed
- Belt drive in front and behind the "H-bar"
- Animatic Smart Motors™ used for z-travel and belt drive
- NSK high precision, stainless steel ball screw for z-travel

#### SYSTEM CONTROLS

- Communication between indexer/buffer and oven via SMEMA
- Indexer/buffer controlled by RCM 3200 Rabbit embedded controller
- Communication between Animatic SmartMotors™ and Rabbit controller via RS232
- Motor controller and driver integrated into Animatic SmartMotor™
- Available communication between external equipment via SMEMA, SECS/GEM, Modbus, and Ethernet

#### SOFTWARE

- Rabbit embedded controller running on C platform
- LCD touch pad for status and programming

#### APPLICATIONS

- Wafer loader
- Wafer Unloader
- Buffer

### FACILITIES AND INTALLATION SPECIFICATIONS

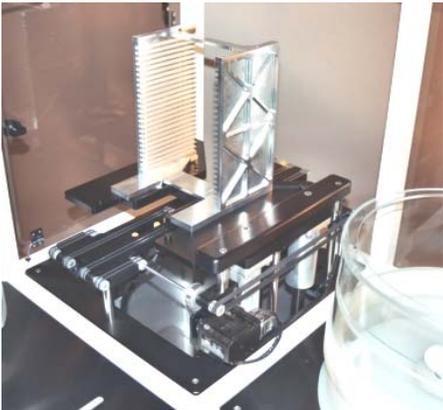
Power	115V AC, 3 Amp, 50-60 Hz, 1Ø	Standard Outlet
Vacuum	N/A	
Nitrogen	N/A	
Exhaust	N/A	
Drain	N/A	
Process Fluids	N/A	
Shipping Weight	Approximately 100lbs	
MTTF	1500 hours	
MTTR	1 hours	



Dual Indexer



Indexer with Oven



Buffer Module