

## Comet 2 Station

- The Comet 2 station is the easy way to transfer 25 wafers from cassette to cassette or cassette to boat.
- This Comet provides a fast, clean, reliable and accurate transfer which is customizable for your different boats and carriers.
- Compatible with your communication requirements and other manufacturer's processing equipment.
- Integrated Infrared Heat Sensor
- Simple to use and easy to maintain
- Easy to integrate in your process line and customizable (OEM customer)
- One button system operation
- LCD display indicating all cycle steps
- Program machine directly from the on board keyboard or PC via RS232
- Electronic Parts compatible for all Comet systems



### Standard Safety Features:

- Peek material for pushers, retainers and boat adapters
  - IR heat sensor
  - Double cassette sensors
  - Boat sensor
  - Wafer detection into cassette
  - Wafer detection into boat
  - Current limit on all motors
  - Power "off" security
  - Automatic home position
  - Carrier correctly positioned(mechanical)
  - Historical data recorded (error messages date time)
- Transfer 25 → 25
  - 3" to 12"
  - Fully automatic
  - Hands Free Operation

## Options:

- Flat or Notch Aligner
- SECSII-GEM Communication
- ESD Combs/Pusher
- Back to Back
- Pitch Changing
- Wet Process
- Split 25 to 12/13
- Light Tower

## Performance:

- Cycle time: < 1 mn
- Uptime: 99.8%
- MTBF: >4000hrs
- MTBA: 750 hrs
- MTTR: < 1hr
- MTTA: 0.005 hr
- Breakage rate: 1 for 5.105

## Friendly Software:

- Transfer parameters adjustable to reduce cycle time via PC program
- Security Sensor management
- RS 232 Host connection

## Facilities and Requirements:

Weight: 92lbs  
Vacuum: No  
Power: 100-240 VAC  
50-60 Hz  
1.2-0.6 A  
75 Watts



## Option: Pitch Changing

- 4.76mm pitch to 6.35mm pitch



## Option: Back to Back

- 180 Automatic rotation

## Specifications:

- CE certification
- SEMI Standard
- Class 1

## Dimensions

