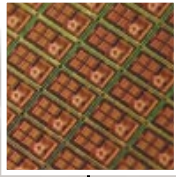


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## DS9000CC IC Sorting

# Wafer to Frame Sorting at 8000 UPH

The Laurier DS9000CC system is an optimized platform for sorting 300mm or smaller wafers to tape frame. Automatically sort up to 25 bins with vision inspection and die track mapping.

- Pick & place at up to 8000 devices per hour
- Sort 300 mm and smaller wafers to 300 mm or smaller output tape frames
- Fully automatic cassette to cassette operation
- Placement accuracy of +/- 50  $\mu\text{m}$
- Vision inspection before picking and after placement
- Die size capable from 0.5 mm - 32 mm and as thin as 50  $\mu\text{m}$
- Electronic map import
- Die track mapping of output frames
- Optional placement to waffle packs or Gel-Paks
- Windows<sup>®</sup> XP



— member of Besi group —

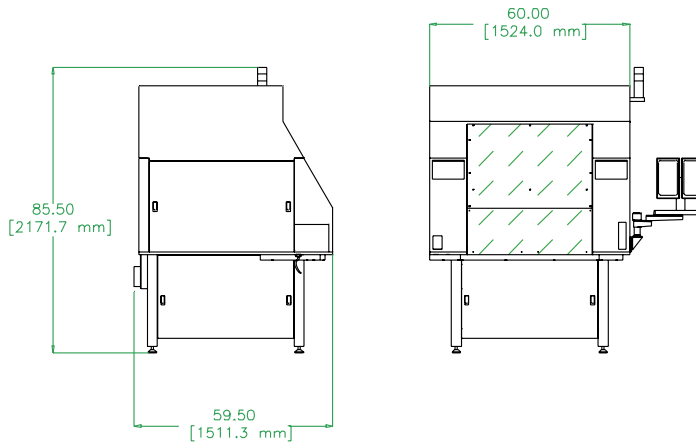


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## Die Sorter



### Technical Specifications DS9000CC

#### Mapping

Row /column and array formats  
SECS II  
ALPs

#### Throughput\*

8,000 UPH sprint rate  
7,500 UPH typical for die < 5mm  
7,000 typical for die > 5mm

#### Inspection

Edge chip detection  
2D Bump  
Place position X, Y, Ø

#### Placement Accuracy

+/- 50 µm @ 3 sigma  
+/- 1 degree theta

#### Die Size

0.5mm to 5mm  
5mm to 32mm

#### Cassette Input

25 slot, 3/16 inch pitch  
Frames 12 & 8 inch

#### Cassette Output

25 slot, 3/16 inch pitch  
Frames 8 & 12 inch  
Carrier plates for waffle packs 2, 3 & 4 inch

#### Electrical

208/220/230/430 VAC single phase  
3KVA

#### Network

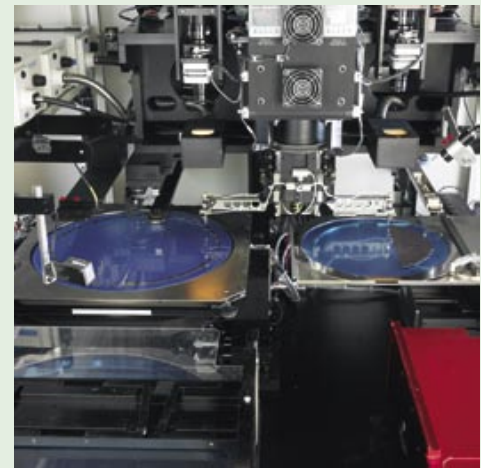
Ethernet or SECS  
TCP/IP  
RS232

#### Pneumatic

5.8-7.5 Bar (85 to 120 PSI) Clean Dry Air  
140 L / minute (5 SCFM)

#### Weight

1500 kg (3300lbs.)



\*Application Dependent

#### SALES OFFICES AND AGENTS

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