The IDScope Automates In-Cassette Wafer Mapping and ID Reading.

It is the ideal solution for creating lots at the start of the process or tracking both lots and single wafers throughout the FAB. Operation consists of placing a cassette on the IDScope and the rest is fully automatic. The open face design makes cassette loading/unloading quick and simple. The wafers are aligned and read in the cassette. The enclosed lighting, and optics are protected from accidental damage, and downtime for optical adjustments is virtually eliminated. The Class1-rated IDScope aligns, verifies the Bar Code lot tag and reads ID’s on a full cassette in less than 35 seconds for most wafers. Partial cassettes are read even faster thanks to GLA's exclusive simultaneous align & map feature.

There are two basic components of each system; the IDScope Engine and the PC based Vision/System Controller. Connected by a communication link, the IDScope Controller can be located up to 10 feet away from the engine. A flat panel TFT display with mini-keyboard/mouse pad, located at the Engine, provides the user interface.

The IDScope ergonomic height (4.5”) and extremely small footprint (8” x 14”) is ideal for tabletop use at key checkpoints throughout the FAB.

With the GEM/SECS communications Interface Option, the intelligent IDScope can send wafer IDs and cassette wafer map data to the factory host over RS-232 or HSMS Ethernet via SECSII/GEM communication. Upon command from the host, the IDScope can also display cassette routing information or other messages to the user. Also available are the Bar Code and RF Tag reader options, which enable the IDScope to automatically read the cassette ID.

Product Highlights
- Full Cassette read as low as 35 sec
- Wafers stay in Cassette
- Extremely Small Footprint
- Reads SEMI 12 or SEMI 13 Scribes
- Wafer Mapping and Alignment
- Full Cassette read as low as 35 sec
- Class 1

Options
- Available Models for 125mm, 150mm, 200mm Wafers
- GEM/SECSII Interface
- Bar Code Reader
- RF Tag Reader

Product Specifications

<table>
<thead>
<tr>
<th>Wafer Size</th>
<th>Engine Footprint (mm)</th>
<th>Model No.</th>
<th>Power</th>
<th>Cycle Time</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>125/150mm</td>
<td>150 x 300</td>
<td>IDS5/6F-25-M12</td>
<td>90-240V AC, 50/60Hz</td>
<td>55 sec</td>
<td>6kg</td>
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<tr>
<td>200mm</td>
<td>200 x 360</td>
<td>IDS8N-25-M12</td>
<td>90-240V AC, 50/60Hz</td>
<td>35 sec</td>
<td>6kg</td>
</tr>
</tbody>
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