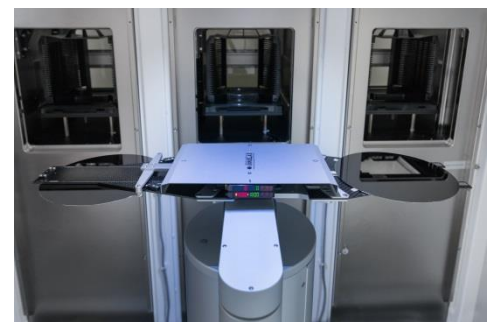
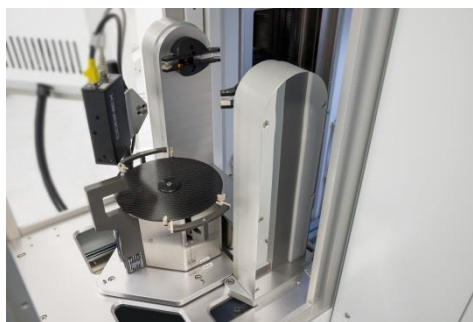
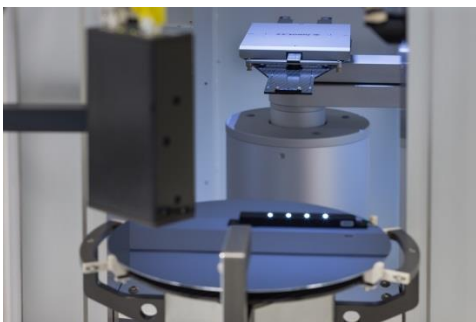


 Sorting

IL C4600 (450 mm)

The InnoLas **Wafer Sorting System IL C4600** for the flexible & fast sorting of your wafers



## Handling System

|                                 |  |
|---------------------------------|--|
| Wafer Sizes                     | 450 mm                                 |
| Wafer Transfer                  | Single Arm Robot – Double End Effector |
| Wafer Alignment                 | Opto-mechanical                        |
| Wafer Handling                  | Vacuum / Edge Grip (optional)          |
| Loading Stations                | Up to 7                                |
| Cassette Loading                | AGV / PGV / OHT                        |
| Throughput Sorting (wafers/hr)  | 180                                    |
| Throughput Transfer (wafers/hr) | 300                                    |

## Reading System

|                |                                    |                              |
|----------------|------------------------------------|------------------------------|
| Readable Fonts | Dot Matrix                         | SEMI OCR 5x9 / 10x18 / 15x27 |
|                | Barcode                            | SEMI BC 412, IBM 412         |
|                | 2D Code                            | SEMI T7, ECC200              |
|                | Engraved Mode                      |                              |
| Checksum       | SEMI / IBM / customized (optional) |                              |

## Sorting

|                            |  |
|----------------------------|--|
| Types                      | Wafer ID / Wafer Weight & Thickness (optional) |
| Modes (ID)                 | Sort (ascending, descending & random)          |
|                            | Split (even, uneven, random)                   |
|                            | Merge  |
| Modes (Weight / Thickness) | Sort (ascending, descending & random)          |

## Facility Requirements

|                            |   |
|----------------------------|---|
| Electrical                 | 230 V (1P/1N/1PE) / 60 Hz / 16 Amps<br>Optional: 115-200-240-370-380-400-420-480V |
| Power Consumption          | 1500 W  |
| Communication              | Ethernet RJ45 (SECS/GEM optional)   |
| Vacuum                     | -800 mbar / 8mm OD connection   |
| Exhaust                    | n/a   |
| CDA – Compressed Dry Air   | 6 bar / 8mm OD connection   |
| PFO – Process Fluid Outlet | 8mm OD connection   |
| Weight                     | 1500 kg   |
| Dimension (w x l x h)      | 2028 x 2891 x 2270 mm   |

## General

|                  |   |
|------------------|---|
| System Frame     | Stainless Steel                                 |
| System Panels    | Powder coated                                   |
| Mini Environment | ISO 3 (ISO 14644-1) / Class 1 (US FED STD 209E) |
| Certification    | CDRH #0010530 / CE                              |