LPA SERIES

- **Innovative, high-performance**, Class 1 compatible

- Unique **all-in-one design** eliminates external controller and interconnecting cables while maintaining **drop-in compatibility**

- Scanning electronics, motion controller, and power supply included within an industry standard footprint

- Driven by **ultra-low inertia brushless motors** for smooth, instant response

- Advanced scanning electronics capable of detecting **transparent, semi-transparent and opaque objects** without mechanical repositioning between different sizes

- Seamless interface with wafer handling robots supporting all wafer sizes from **45mm to 480mm**, and respective sizes of square substrates

- Logosol control software featuring a comprehensive set of commands enabling compatibility and interface with a **variety of semiconductor platforms**

- **Rapid alignment cycle times** facilitate achievement of maximum system throughput

- Available as **standalone** devices and as **embedded** devices working in conjunction with wafer handling robots

- Retention options include **vacuum, non-vacuum, and edge handling**

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**Basic Configurations**

- Standalone, 12”-18” Wafers
- Embedded, 3”-12” Wafers
- Standalone, 2”-6” Wafers
- Edge Handling, 8” Wafers
# LPA SERIES PREALIGNERS SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Prealigner Model</th>
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LPA SERIES PREALIGNERS ORDERING GUIDE

**Wafer Sizes:**
- **25** = 2” to 5”
- **26** = 2” to 6”
- **38** = 3” to 8”
- **58** = 5” to 8”
- **312** = 3” to 12”
- **812** = 8” to 12”
- **1218** = 12” to 18”
- **4EH** = 4” only
- **5EH** = 5” only
- **56EH** = 5” and 6”
- **6EH** = 6” only
- **8EH** = 8” only
- **8ET** = 8” only
- **12ET** = 12” only

**Chuck Diameter in mm**
- **23** for 2” to 5”
- **38** for 3” to 8”
- **58** for 5” to 8”
- **312** for 3” to 12”
- **812** for 8” to 12”
- **1218** for 12” to 18”
- **4EH** = 4” only
- **5EH** = 5” only
- **56EH** = 5” and 6”
- **6EH** = 6” only
- **8EH** = 8” only
- **8ET** = 8” only
- **12ET** = 12” only

**Contact Material:**
- **P** = Peek (standard)
- **V** = Viton
- **K** = Kalrez
- **S** = Stainless Steel
- **T** = Teflon
- **E** = Conductive Peek
- **C** = Custom

**Chuck Encoder:**
- **1** = 10000 CPR
- **2** = 24000 CPR*

**Customization Code**

**Pin Length in inch**
- **10** - 25 to 1218
- **43** for 4EH to 8EH
- **78** for 45EH & 56EH
- **906** for 8ET & 12ET
- **xxx** Custom

**Standard Height in mm:**
- **23** for 25 to 1218
- **26** for 4EH to 8EH
- **26** for 45EH & 56EH
- **38** for 8ET & 12ET
- **xx** Custom

**CCD Sensitivity:**
- **S** = Standard
- **H** = High

* LPA1218 available with 24000 CPR encoder only