

Product Title

Q2 2020

**Touch-less Pin search assembly
PN PIN-SEARCH-JVT****Details**

The original Mattson Aspen II pin search assembly is a mechanical contact sensor and can be replaced with a proximity sensor.

The no contact proximity sensor is an upgrade to the old design. The old design is known for having connectivity problems when the contact pad or the ball of the pin is corroded or bent, not perfectly centralized or having a weak signal.

The pressure asserted onto the old pin search assembly can cause the robot paddle to bend and lead to incorrect wafer pick up.

The proximity sensor has a very accurate measuring distance which is extremely constant and reliable. The paddle is never touching any mechanical sensor.

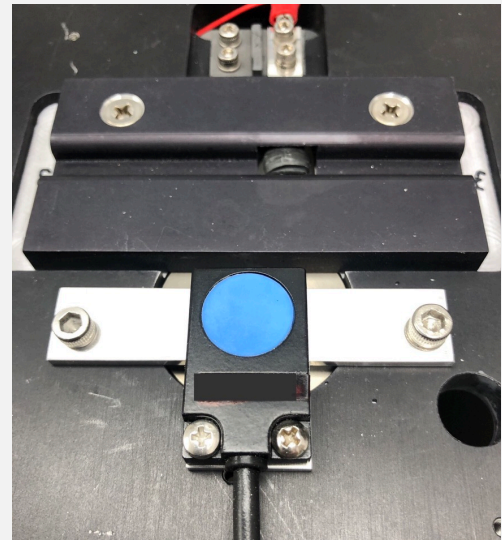
The proximity sensor is perfectly sealed to be resistant against many environments and can withstand the vacuum pressures of the loadlock.

The exact positioning of the pin search assembly allows for close to perfect plug and play installation. The Zpin_waf1 setting should be checked after the installation to allow for perfect wafer pick and place.

The proximity sensor bracket is designed to fit most Aspen II system. The wiring of the new sensor is simple.

A procedure for the installation is available.

For special brackets requirement, ask for support.

**Benefits**

- Plug and play installation
- Cost saving replacement
- Corrosive resistance
- Non touch switch
- Proven and tested results
- Continuous support
- Recommended preventive up-grade
- Installation on-site available
- Technical support available