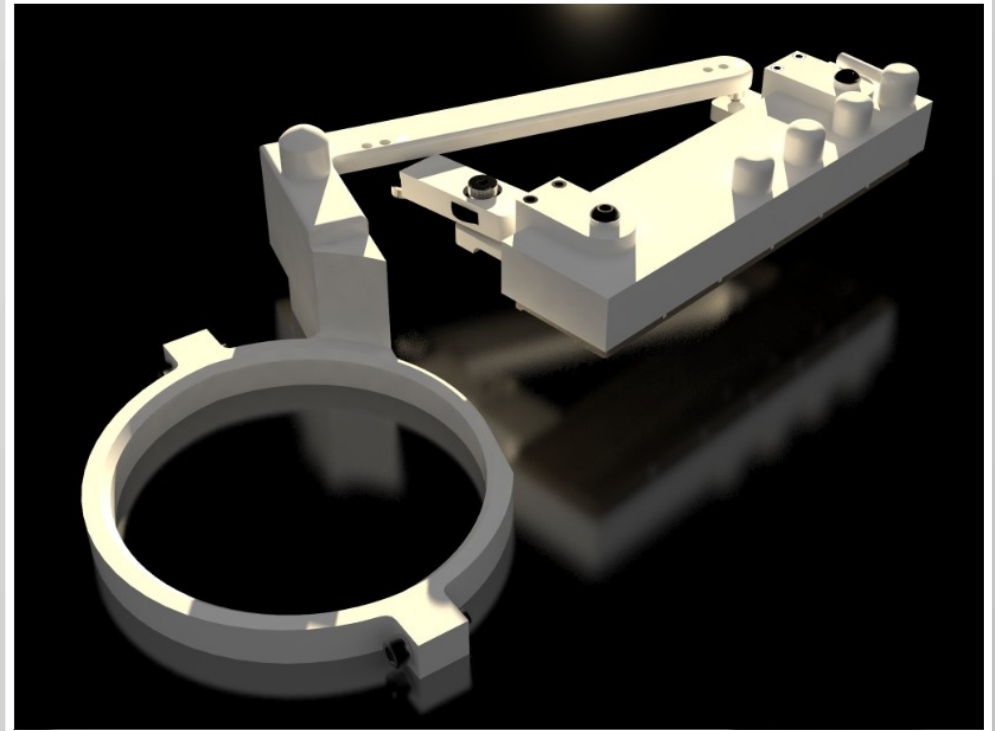
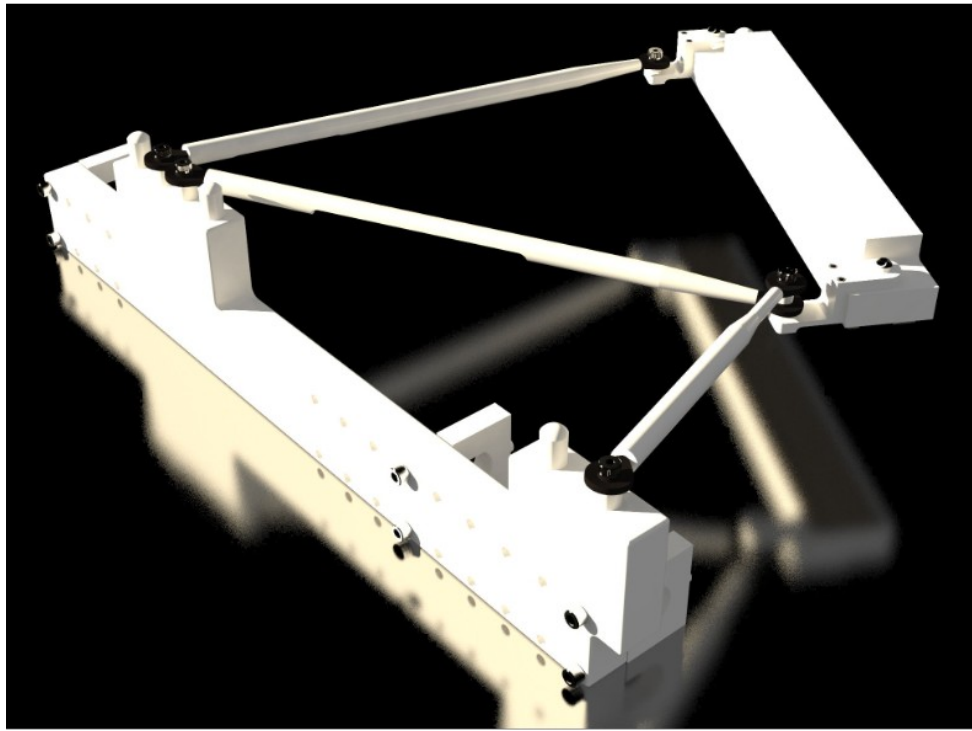




SM

6421 North Nirvana Place, Tucson, AZ 85750 USA  
Email: [araca@aracainc.com](mailto:araca@aracainc.com)  
[www.aracainc.com](http://www.aracainc.com)

## Slurry Injection System for Defect Minimization, Device Yield Enhancement, Slurry Use Reduction and Environmental Stewardship



## Details and Performance Highlights

**Manufacturer:**

Araca, Inc., Tucson, AZ USA.

**Polishers:**

Applied Material Reflexion<sup>®</sup>, Reflexion LK<sup>®</sup> and Reflexion LK Prime<sup>®</sup>  
Mirra<sup>®</sup>

SpeedFam-IPEC 372<sup>®</sup> and 472<sup>®</sup>

Revasum 6DS-SP<sup>®</sup> and 6EC<sup>®</sup>

**Wafers:**

150, 200 and 300 mm.

**Main Advantages:**

Slurry consumption can be reduced by up to 65% without any negative impact on removal rates (RR) and defects.

Alternatively, SIS can offer higher RRs (by up to 60%) at the same slurry flow rate for “platen matching” or higher throughput. This method will still use less slurry due to shorter polish times.

Wafer-level defects are typically reduced by up to 50%.

In some cases, defects have been reduced by as much as 300%.

**Installed Base:**

There are more than 160 SIS units in HVM worldwide.

**ROI:**

SIS is priced to give ROIs of less than 6 months.

**Utilities:**

No power, hardware or software changes are required.

**Installation:**

SIS can be installed and un-installed on polishers in less than 2 mins.

**Warranty:**

One-year parts and labor for the non-consumable part of the SIS. Four months for the consumable portion of the SIS.

