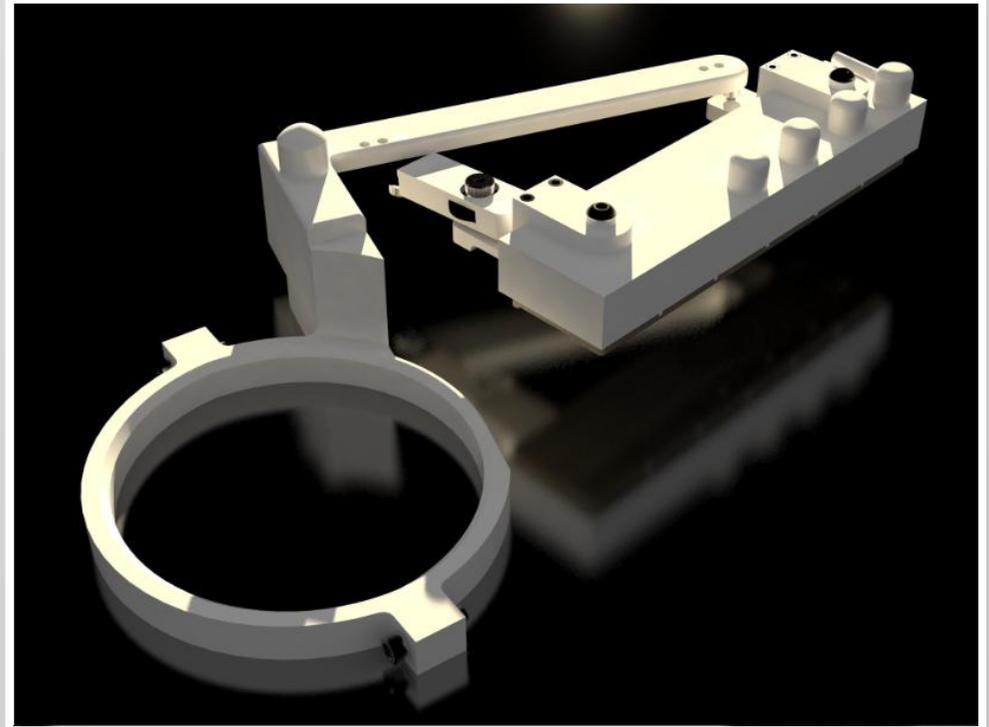
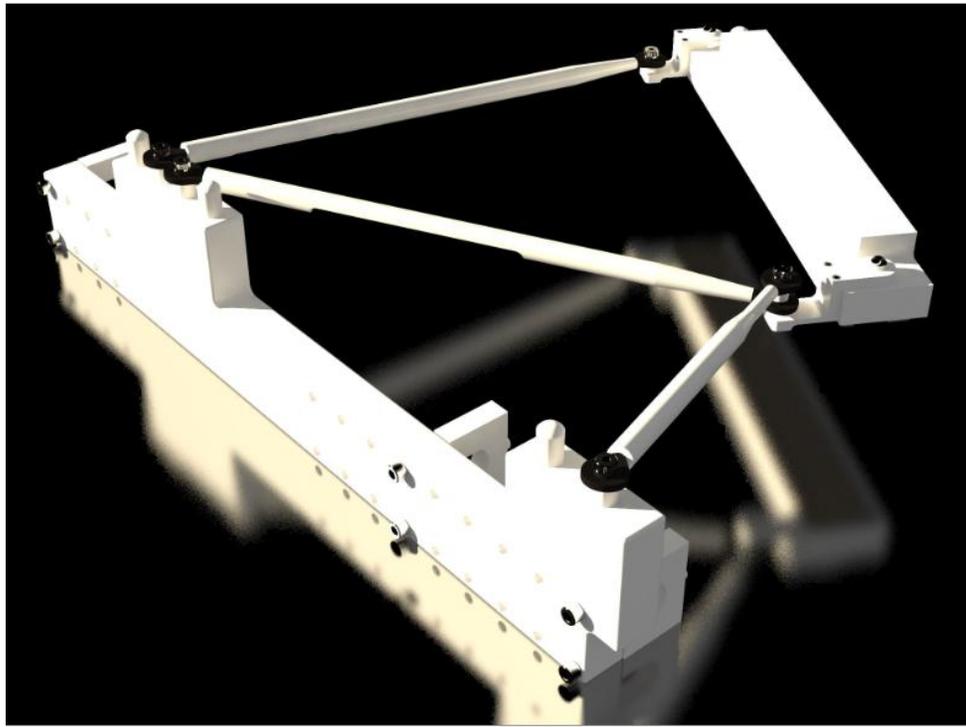




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Slurry Injection System for Defect Minimization, Device Yield Enhancement, Slurry Use Reduction and Environmental Stewardship



Details and Performance Highlights

Manufacturer:

Araca, Inc., Tucson, AZ USA.

Polishers:

Applied Material Reflexion[®], Reflexion LK[®] and Reflexion LK Prime[®]
Mirra[®]

SpeedFam-IPEC 372[®] and 472[®]

Revasum 6DS-SP[®] and 6EC[®]

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.

