

PERFORMANCE ENHANCEMENTS

Sustainable Solutions is Our Ongoing Commitment

Concept Part Solutions is dedicated to extending the lifetime of your maturing semiconductor manufacturing equipment. As your toolsets age and new processes emerge, we pursue every opportunity through our Continuous Improvement Program (CIP) to offer important enhancements that increase the reliability, productivity, and performance of your install base.



MV200, 776

Rotation Sensor Kit

Concept Part Solutions is committed to improving the sustainability of the MV200 system. Proven enhancements, originally developed by the OEM, are available for the CMP tool sets. Rotation Sensors will help reduce wafer damage on the MV200 and 776 toolsets.

For CMP tools, Buff and Brush stations are critical to high quality wafer processing and periodic maintenance is required to ensure the integrity of the belt-driven polishing heads. With the current station design, there is no system in place to alert the tool operator of an error, i.e., when a station has ceased its polishing function due to belt wear or breakage.

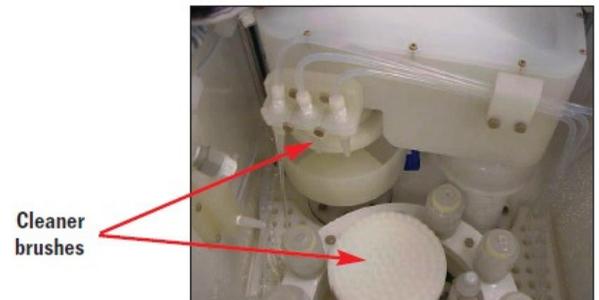
To address this issue, Novellus has developed the CMP Rotation Sensor Kit Performance Enhancement. The sensors in this new kit provide immediate feedback to the Buff and Brush station tool operator indicating that an error has occurred. This allows the operator to shut-down the station operation immediately to prevent wafer damage.

Quick Upgrade. Rapid Payback.

The Rotation Sensor Kit can be installed in a single shift, requires software version 4.2 or higher to function and is available for all 776 and MV200 tools. The kit is entirely process transparent, utilizes the existing pads and requires no recipe changes. In addition, because this upgrade eliminates the potential for damaging processed wafers, the cost savings is immediate.

Benefits

- Detects Errors with an immediate alert
- Allows operator to shut down the tool instantly
- Protects processed wafers from damage
- Provides immediate cost savings
- Reduces Cost of Ownership



Clarus Brush Kit



Buff Unit



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MV200, 776
Rotation Sensor Kit

**Get More Information on
System Performance Enhancements**

To find out how to improve the performance and productivity of your CPS supported systems, call your local CPS Sales and Service Office for complete ordering information, or visit www.conceptpartsolutions.com.

System Prerequisites:

None

Ordering Information:

Buff Rotation Sensing	05-290812-00
Brush Rotation Sensing	05-290813-00

Some Upgrades may require an audit of your System; Contact your local CPS Representative to verify the Upgrade Kit before ordering.