

NEW THINNING PROCESS FOR 300MM WAFERS

4000 Grit for Ultra-Fine Finish

Aptek Industries Inc. is happy to announce our new 4000 Grit Background service for 300mm wafers. This process successfully thins 12" wafers down to 10 mils (250 microns). The service is primarily a grind process, so wafers can be thinned at considerably less cost than a true polish price while offering many of the advantages of a polished wafer.

This new process will be attractive to companies requiring thinner wafers employed in a stressful environment such as Smart Card applications. One customer experienced yield increases of over 50% during initial assembly testing and notable increases after the assembled parts were deployed in the field.

Aptek Industries Inc. has been in the wafer thinning (Grind and Grind and Polish) business for over 23 years. We are the company that originated the picture of a hand flexing a thinned wafer not only to dramatically demonstrate the thinness specifications, but also to show the reduced stress in the wafer which provided better dicing characteristics and improved survivability of parts after assembly. Over the last 23 years the company has introduced technology and procedures that have contributed to increased yields, improved wafer survivability and allowed the company to thin smaller diameter, high quality silicon wafers to the range of 25-30 microns. Aptek currently thins 300 millimeter wafers with the grind and polish process to 120 microns with excellent results using our proprietary production process.

Call Aptek Industries, Inc. now for additional information; our Engineering staff will be happy to answer all questions and schedule qualification tests.



- ◆ **4000 Grit for Ultra-Fine Finish**
- ◆ **Low Cost option for ultra-smooth finish**
- ◆ **Production Process for 300mm Wafers**

Aptek Industries, Inc. is happy to announce...

The introduction of a new service for 300mm wafers!

We now offer a *4000 grit grind* process for 300 mm wafers. We are successfully thinning 12" wafers down to 10 mils (250 microns) with this process.

Call us today and find out what we can do for you!

(800) 363-4363

(408) 363-8026

www.AptekIndustries.com

The Logical Choice

Whom should you trust with your valuable wafers?

A company with low-stress, leading-edge processes, with the highest throughput available, exceptionally fast turn-around and dramatic cost savings over the competition. A company that offers: a responsive customer-service attitude, and the expertise of a seasoned team, Aptek is the logical choice to handle all your wafer grinding and polishing needs. Call us today to discuss your grinding and polishing requirements.

APTEK

**Aptek Industries, Inc.
414-F Umbarger Road
San Jose, California 95111**

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