

# Intel Begins \$2 Billion Conversion Of Arizona Factory to Start 65 nm

April 23 2004

---

SANTA CLARA, Calif., April 21, 2004 - Intel Corporation today announced that it has begun a \$2 billion construction project to convert a 200mm wafer fabrication facility to a state-of-the-art 300mm facility in Chandler, Ariz. The conversion of Fab 12 is scheduled to be completed in late 2005. The converted facility will begin initial production on 65-nanometer process technology.

"This project represents a first for Intel -- the first complete conversion of an existing 200mm wafer fab to a 300mm fab," said Bob Baker, Intel senior vice president and general manager, Technology and Manufacturing Group. "The flexibility of our factory designs allows us to completely and efficiently modify the interior of the cleanroom to accommodate the much larger 300mm production equipment.

"This conversion will not only enable us to improve our capital efficiency by giving us more than twice the capacity at significantly lower costs, but it will enable us to utilize our experienced and talented workforce in Arizona."

When completed, the converted Fab 12 will become Intel's fifth 300mm wafer facility. Five 300-mm fabs provide the equivalent manufacturing capacity of about 10 200mm factories. Intel's other 300mm fabs are located in Hillsboro, Ore. (two facilities), Rio Rancho, N.M. and Leixlip, Ireland.

Wafers of 300mm are approximately 12 inches in diameter, providing

an increase in surface area of 225 percent over more common 200mm wafers. This allows manufacturers to put significantly more individual computer chips on a wafer, dramatically reducing the cost of each chip. The bigger wafers also diminish the overall use of resources, requiring 40 percent less energy and water for each chip produced.

Intel, the world's largest chip maker, is also a leading manufacturer of computer, networking and communications products. Additional information about Intel is available at [www.intel.com/pressroom](http://www.intel.com/pressroom).

Citation: Intel Begins \$2 Billion Conversion Of Arizona Factory to Start 65 nm (2004, April 23)  
retrieved 26 April 2024 from

<https://phys.org/news/2004-04-intel-billion-conversion-arizona-factory.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.