



Fact Sheet

FAB 32: INTEL'S FIRST HIGH-VOLUME 45NM FACTORY OPENS ITS DOORS

CHANDLER, Ariz., Oct. 25, 2007 – Intel Corporation opened its first high-volume 45 nanometer (nm) manufacturing factory today in Chandler, Ariz. Here are some fast facts about one of the most advanced manufacturing factories in the world:

- Fab 32 is a \$3 billion investment; construction began in August 2005.
- Fab 32 is Intel's sixth 300mm facility. The other facilities are located in Oregon (2), New Mexico, Arizona (Fab 12) and Ireland.
- 300mm wafer manufacturing uses 40 percent less energy and water per chip than a 200mm factory.
- Measuring 1 million square feet, Fab 32 is roughly the size of 17 U.S. football fields. There is 184,000 square feet of clean room space, which is approximately equal to the size of three U.S. football fields.
- It took the world's third-largest crane to set the roof trusses on Fab 32 and more than 8 million man hours and 3,000 construction workers to build the factory.
- Used in the building's construction were 19,000 tons of steel, 568 miles of wiring, 75 miles of conduit and 86,000 cubic yards of concrete.
- Fab 32 is rated as a "Class 10" clean room, meaning there are no more than 10 particles measuring 0.5 micron or larger per 1 cubic foot of air. A human hair measures just 80 micron. For comparison, hospital operating rooms are "Class 10,000," meaning that the air inside Intel's Fab 32 clean room is 1,000 times cleaner than the air in an operating room. Outside air is near "Class 3 million."

About Intel Arizona

- 10,000 employees
- Three manufacturing facilities at the Intel Ocotillo campus: Fab 12, Fab 22 and the newly opened Fab 32.
- Intel has invested \$9 billion in its Arizona manufacturing sites since 1996.