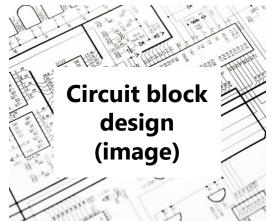
Design and development (Toshiba discrete products): IC circuit design, layout design, test, and mass-production ramp up / assembly process

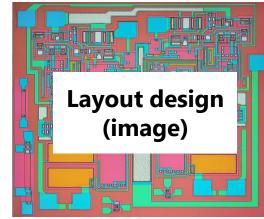
Software-based circuit and layout design

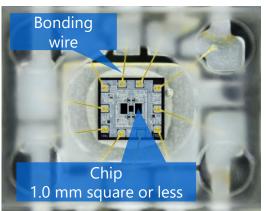
Mask data for IC wafer manufacturing is created by the following process: conceptual design (functional design) with product specifications -> operating simulation -> layout design -> test

Mass-production ramp up and production engineering for assembly process

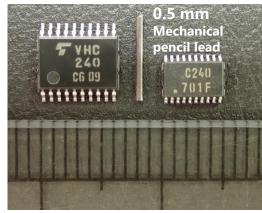
After development, the semiconductor wafer is diced into pellets, which are sealed in a mold package and become products.











Appearance and size of ICs (comparison)