

High Grade CoinRoll Wafers

CoinRoll Wafers 是一種Silicon Wafer，其包裝方式類似錢幣組成圓柱狀。CoinRoll Wafers 一般使用保麗龍盒包裝，一盒內含有150片300mm CoinRoll Wafer。保麗龍盒可以避免運輸過程中Wafer與Wafer產生摩擦，進而造成表面缺陷。

CoinRoll Wafers與Wafer之間會有間隔紙安插，目的是降低Wafer 表面的接觸痕跡。CoinRoll Wafer 的表面是雙面拋光的，由於不在無塵室環境進行清洗，表面不會有um等級的潔淨度。表面也會存在輕微刮傷與微小缺陷。Lasermark 一般同時擁有 T7與M12。

CoinRoll Wafers用途廣泛，舉凡機台測試或是其他半導體元件生產過程的載具，都會使用到CoinRoll Wafers。隨著測試晶圓需求數量明顯上升，越來越多Si wafer reclaimed house(再生工廠) 使用 Coin-Roll Wafer為測試晶圓的起始原料。USiC 是高等CoinRoll Wafer的最大供應商，下游客戶包含需多位於日本與台灣的領先矽晶圓再生工廠。

CoinRoll Wafers are Silicon wafers that are packaged similarly in a cylindrical shape to coins. CoinRoll Wafers are generally packaged in Styrofoam boxes, and a box contains 150 pieces of 300mm CoinRoll Wafers. The Styrofoam box is able to reduce the friction between Wafer and Wafer during transportation, which will probably generate surface defects.

A paper is inserted between the CoinRoll wafers in order to reduce the contact marks on the surface of the Wafer. The surface of CoinRoll Wafer is polished on both sides. Since it is not cleaned in clean room environment, the surface will not have um-level cleanliness. There will also be minor scratches and minor defects on the surface. Lasermark generally has both T7 and M12.

CoinRoll Wafers are widely used in various applications, such as machine testing or carrier in the production process of semiconductor devices. As the demand of test wafers increases significantly, more and more Si wafer reclaimed houses use CoinRoll Wafer as the starting material for test wafers production. USiC is the largest supplier of high-grade CoinRoll Wafer, and its downstream customers include leading silicon wafer reclaimed house in Japan and Taiwan.

