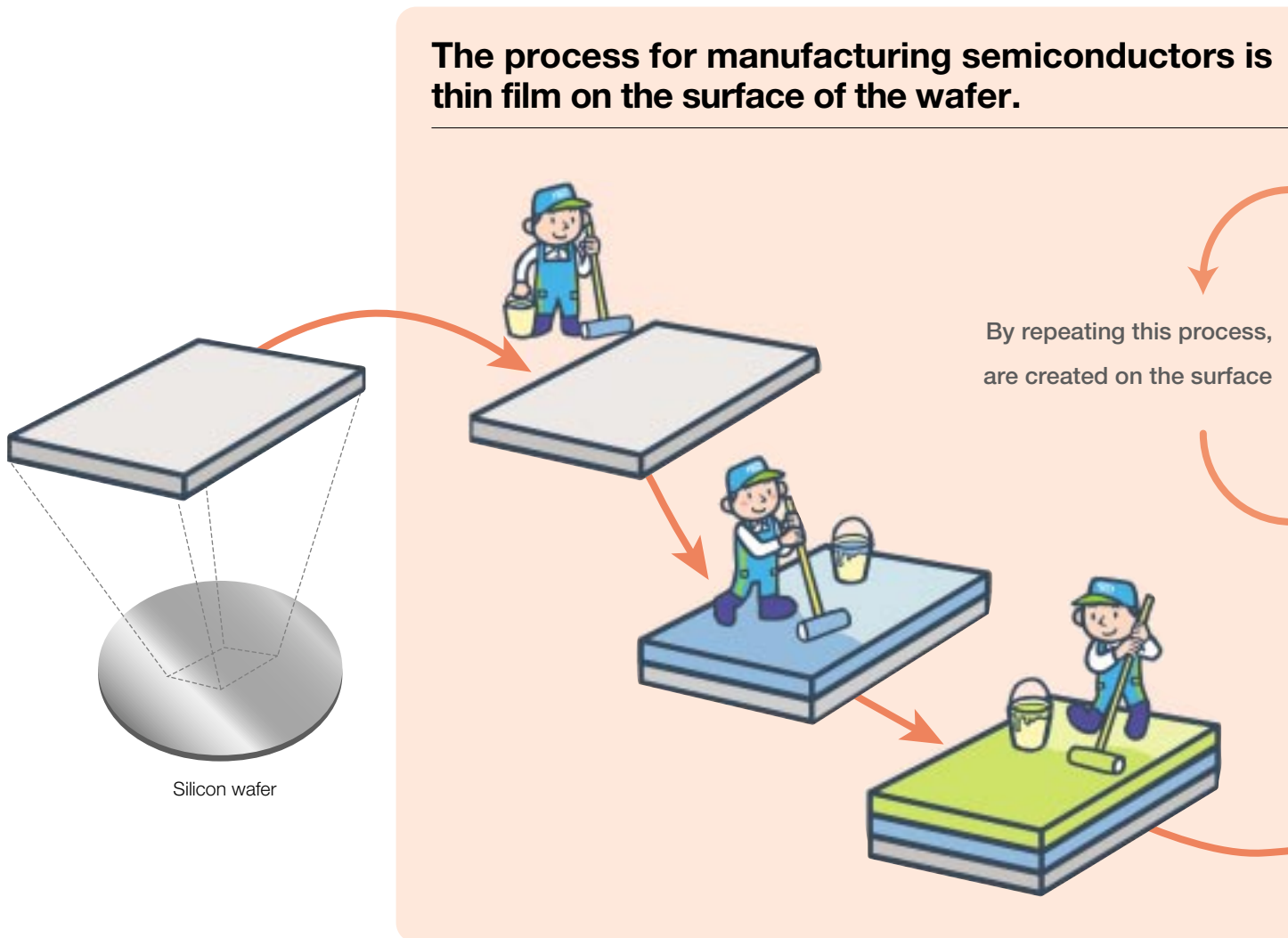


TEL's Products

We would like to explain the processes of manufacturing semiconductors by TEL's products.



Manufacturing Semiconductors

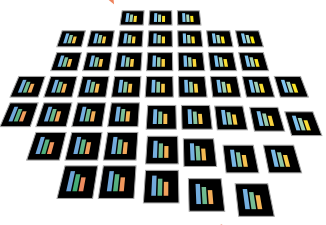
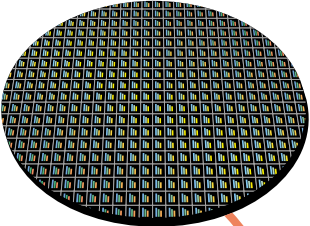
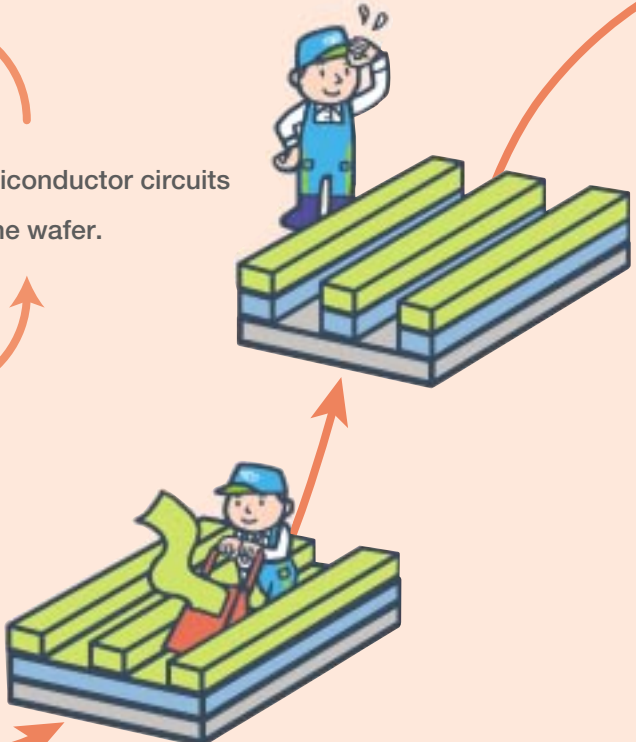
Semiconductors are manufactured through the process of generating fine circuits using gas and chemical solutions on a thin disc called a silicon wafer. We form oxide film (Thermal Processing System), apply photoresist solution (Coater/Developer), perform pattern exposure through photo masks and grind down the oxide film using plasma (Plasma Etch System). Next, come the steps of ion implantation, metal coating, and wafer inspection, completing the manufacturing process. Next, the wafer is cut into pieces, wired and packaged, and the semiconductor is complete.

Other Lines of Business

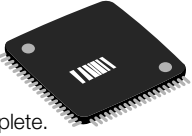
Aside from manufacturing semiconductor production equipment, TEL is also engaged in the development and manufacture of equipment that produces FPDs (Flat Panel Displays). In addition, electronic components (handled by Tokyo Electron Device Ltd.), such as semiconductors and Internet technology products (handled by Computer Network Division) are also major pillars of TEL's business operations.

a repetition of forming and etching

semiconductor circuits of the wafer.



A wafer is then cut, wired and packaged.



With this, the semiconductor is complete.



Thermal Processing System



Coater/Developer



Plasma Etch System

TEL manufactures various types of equipment that form and etch thin film on the surface of wafers.