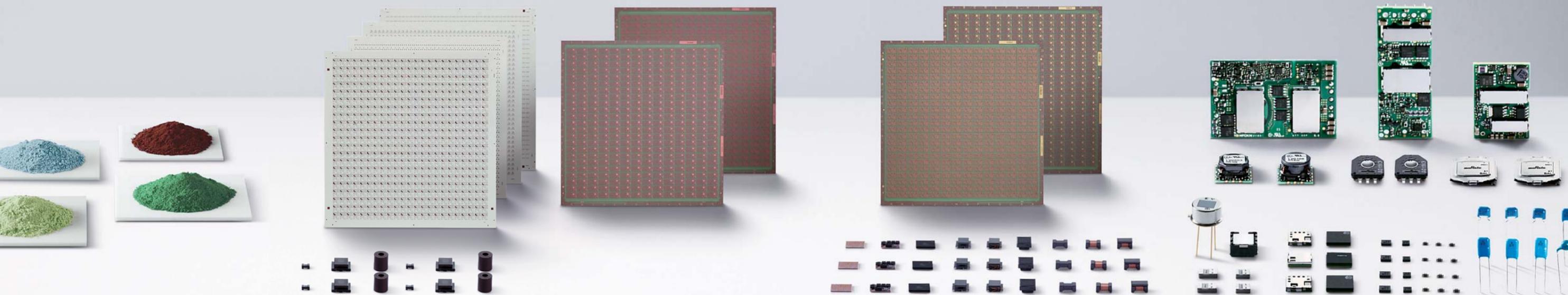


Integrated production system

All technologies are directly in line with our markets and customers.

Murata's technologies are closely coordinated and integrated from materials to products. All technological departments aim at the same direction as our customers and try to propose new values. Murata's strength comes from keeping our direction in line with our customers.



Murata's manufacturing technologies

Materials



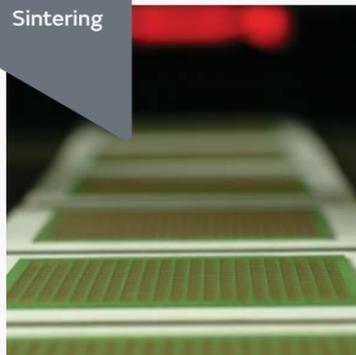
Murata has established a technology to precisely control ceramic materials and electrode materials that critically determine the property of electronic components.

Sheet casting



From 1 μm thick ceramic sheets to complexly shaped filters created by injection forming, we pursue "the functional shape".

Sintering



When sintered, ceramic's crystal structure shifts to achieve certain properties. Sintering is a technique to control these invisible changes inside a furnace.

Finishing and assembling



Once they have gained electric properties from the previous processes through firing, ceramics are formed into electronic components through various additional processing.

Inspection and packaging



Once completed, products are delivered to users only if rigorous testing proves that they live up to their Murata label.