

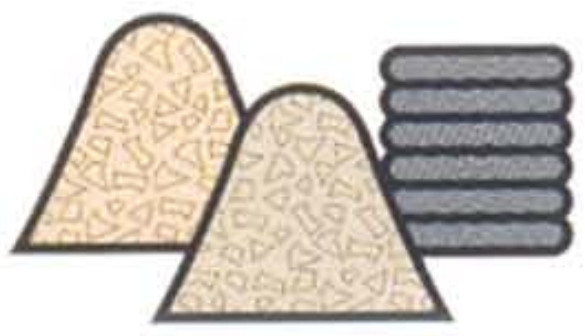
Suspension Insulator

-Manufacturing process Step 1-



Slip house

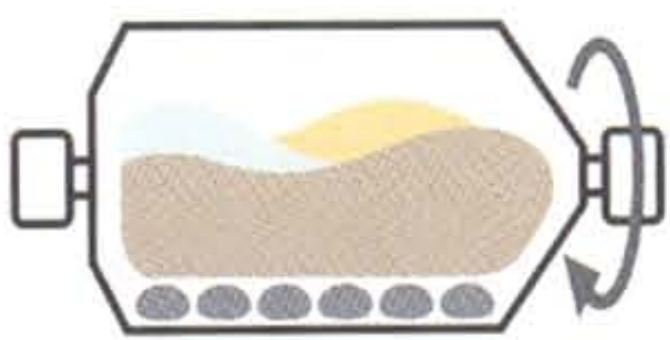
Forming



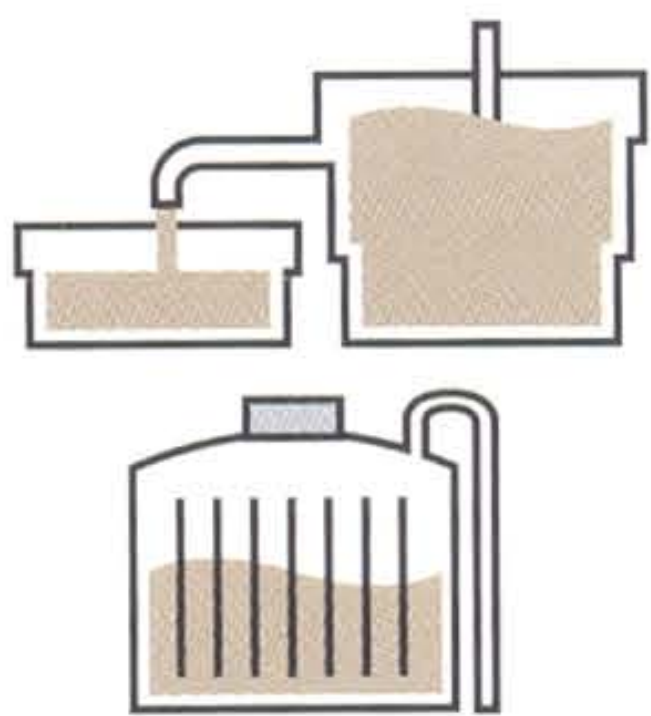
(Materials)
Pottery stone, Feldspar, Clay, Quartz and Alumina etc.



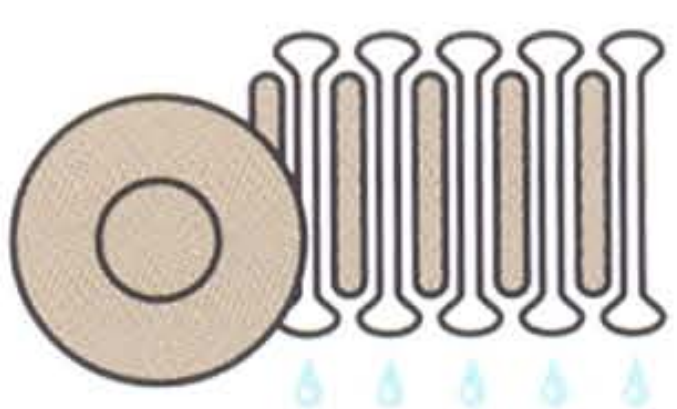
(Batching & Mixing)
Mix the materials by exact mixing proportion.



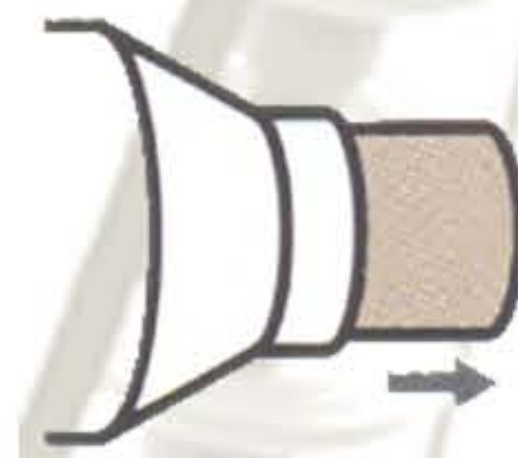
[Ball milling]
Milling the materials which added water and ball stones for particle size that below 10 micron and Uniformly mixing.



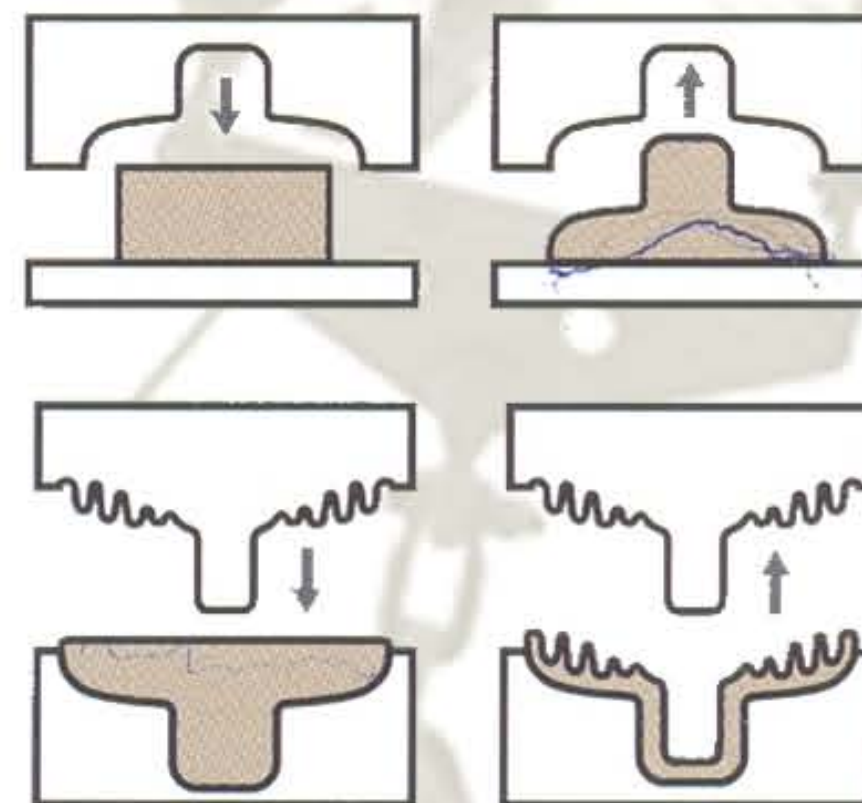
(Magnetic ferro-filter & Vibrating screening)
Separation particles and impurities.



(Filtration by filter press)
To concentrate particles from a slurry.



(De-airing extrusion)
Cakes are uniformly kneaded and extruded by the de-airing pugmill.

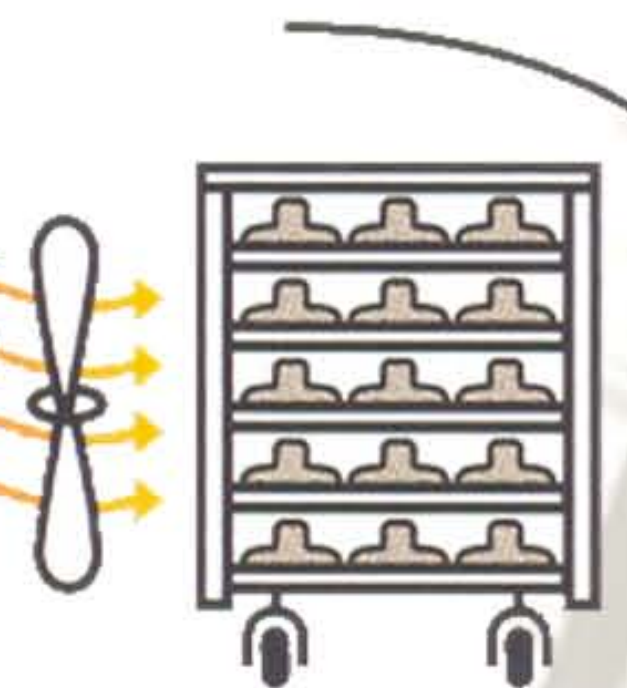


(Forming)
Formed by Jiggering..



(Green finishing)

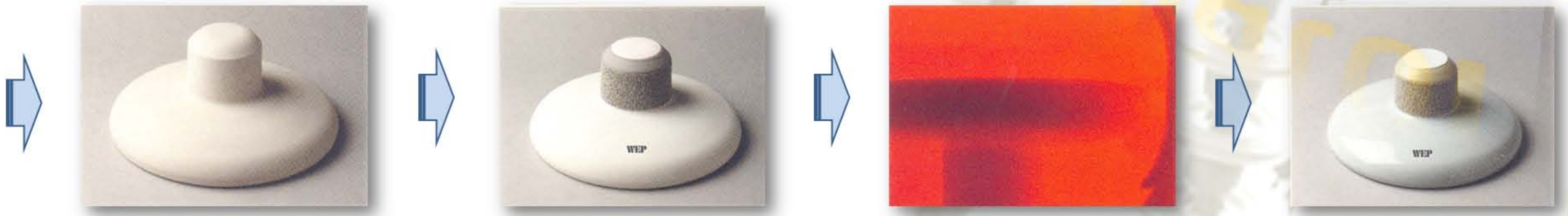
Waste heat by running to Firing



(Drying)
After forming, water contents of green products has 20%. Decreasing the water contents from 20% to 0.5%

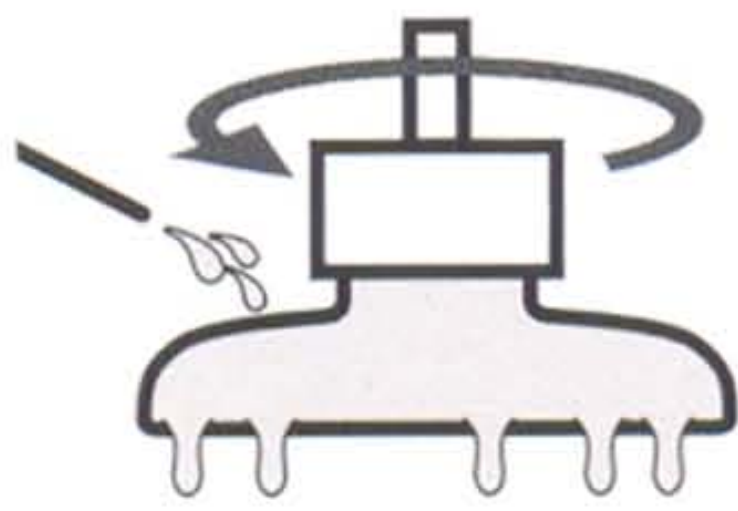
Suspension Insulator

-Manufacturing process Step 2-

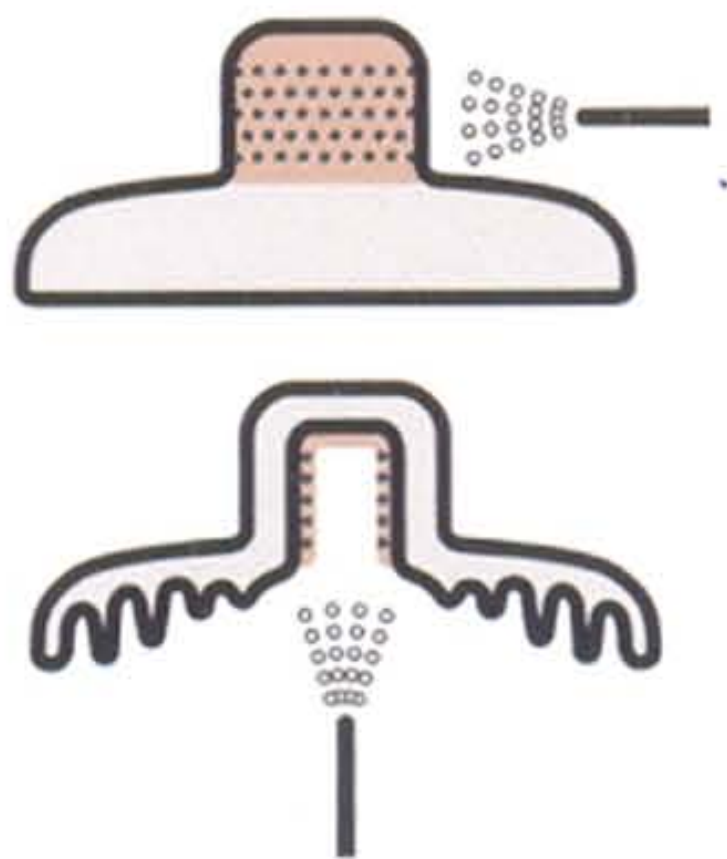


Glazing

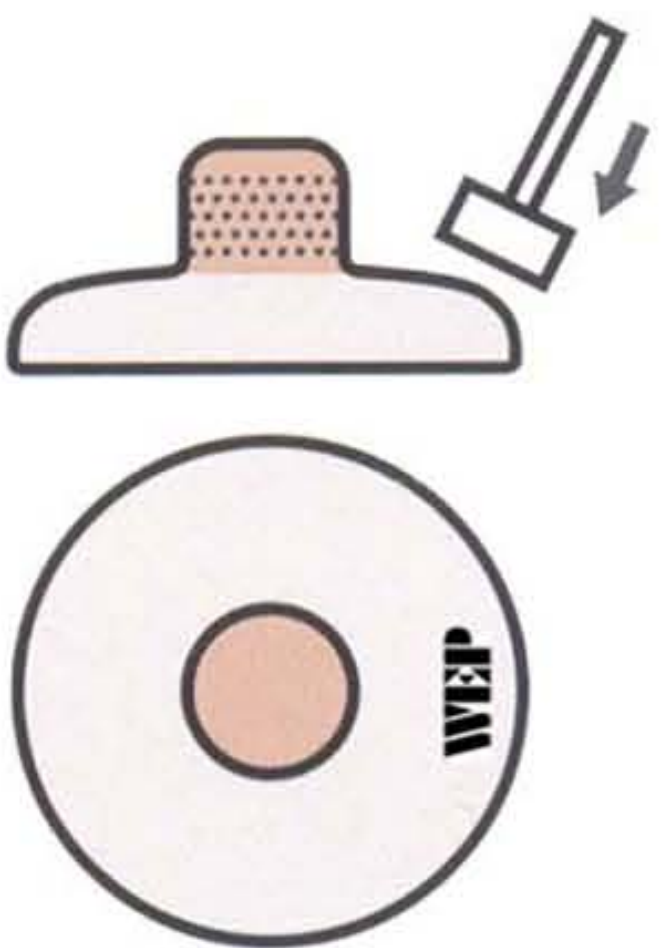
Firing



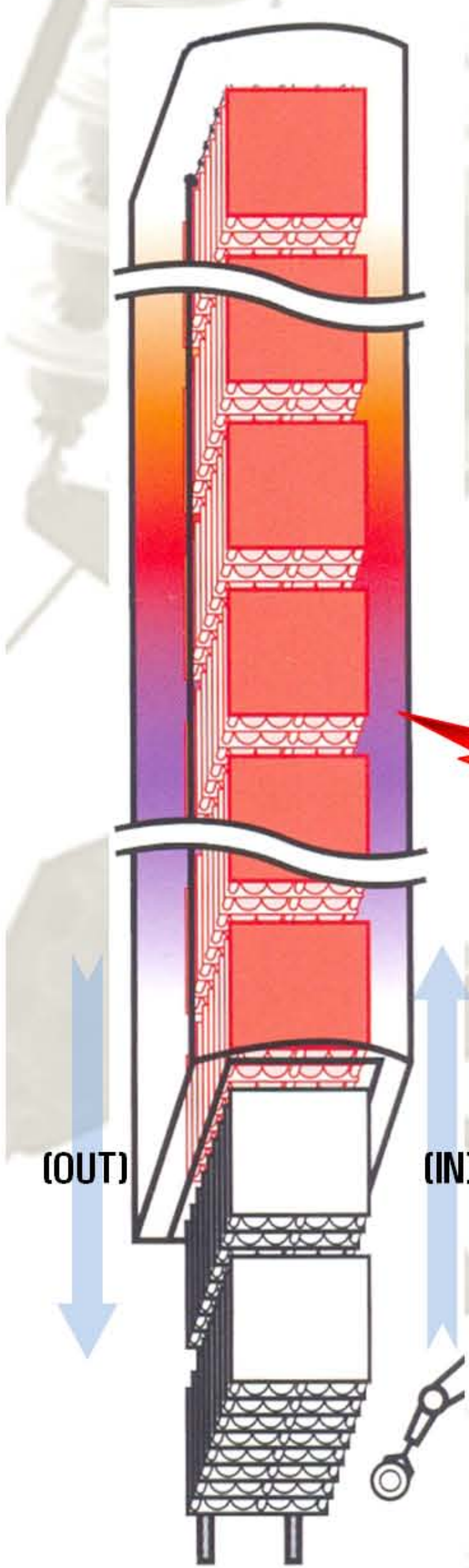
(Glazing)
 Uniformly put glaze on insulator surface.
 White, Light gray and Brown color.
 {Role of glaze}
 -Vitreous surface
 -Enhancing the electrical and mechanical strength.
 -Keeping the insulator from contamination..



(Sand attachments)
 Glue the sand on the insulator's head and pin hole which attached to fitting metal.

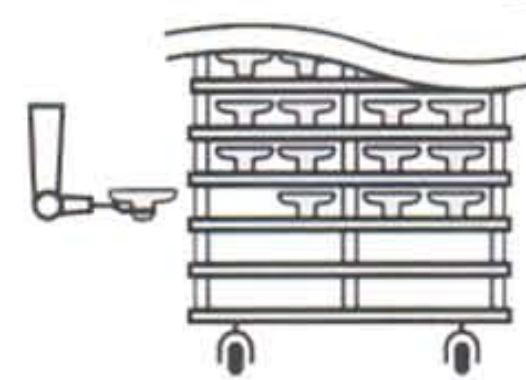


(Marking)
 Mark the Spec. of mechanical load, manufactured year and our logo.



(Kiln loading)
 -Typing the information (item No., color, mark, date, etc.) into the computer.

(Firing)
 - The highest temperature of firing 1,300 °C (Shuttle kiln)
 - Controlled automatically by the computer.
 - Re-use the waste heat for the green products while drying.

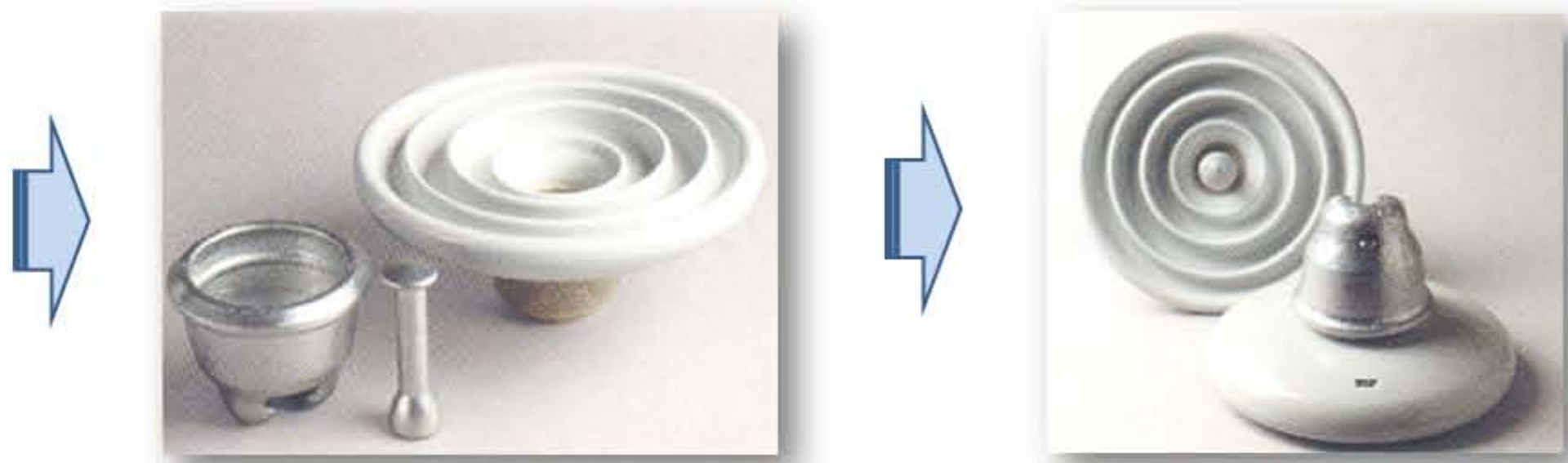


(Kiln unloading)



Suspension Insulator

-Manufacturing process Step 3-



Assembling/Inspection

Shipment

[Porcelain body inspection]

{Visual inspection}
Check the impurities

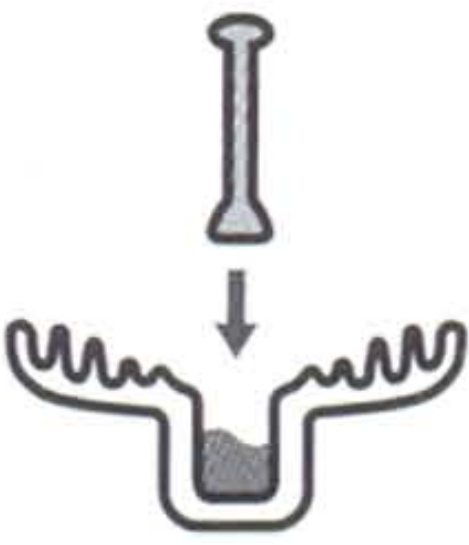
{High frequency & voltage test}

{Hydraulic test}

Detect defect applying pressure on the pin hole of load-concentrated part

{Compression test}

Applying pressure on the shed of the insulator to find the defect.

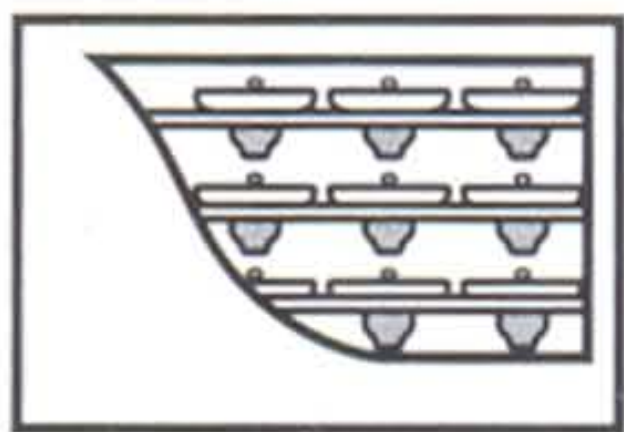


[Pin assembling]

[Cap assembling]

[Cement Curing]

Hardening the cement to fix the fitting metal in the curing room.



[Final inspection]

Confirm the all product' s quality.

< I . Mechanical tensile proof test >

< II . Low frequency withstand voltage test >

(Packing, Shipment)

After connecting the products
Packed with wooden box and shipment.

