

Manufacturing Process of Porcelain Insulator

Dalian Hivolt Power System Co.,Ltd.



Select best raw material,mixed them into ball mill.
Grinding



De-Ironing separator and mesh
De-Ironing for three times,mesh the unqualified particles and impurities out



Filter pressing
to make raw material slurry into solid



Stale.
It need at least 48 hours to make mud section water component inside more even ,then the mud section will more plastic



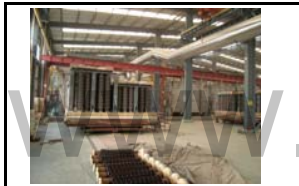
pug mill
mud section squeezed into the vacuum chamber ,and get the air out of mud to prepare high performance green body material.



Electrical drying
in order to reduce the water content , make the green body suitable for shapping



Porcelain after firing



Firing kiln
highest temperature is around 1280°C



Automatic **glazing** mechine



Drying room



Green body **natural drying** after shapping



Automatic controlled turning machine for **shapping**



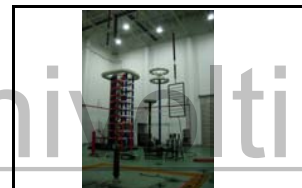
porcelain cutting and grinding
Cut off excess parts according to drawing then grind both end of surface



Insulator assembly
cement grouting, make the hardware and porcelain bonded together



Mechanical test
sample test, routine test



Electrical test
routine test,sample test



final product



Packing
as customer's demand