BATTERY MANUFACTURING PROCESS FLOW CHART
WET (JAR) FORMATION

GRID CASTING
- MELT LEAD
- CAST SUPPORTING FRAME

OXIDE
- MELT LEAD TO REACT WITH OXYGEN
  TO GET LEAD OXIDE
- STORE FOR PASTE MIXING

PASTE MIXING
MIX OXIDE ACID & WATER
WITH ADDITIVES TO GET
POSITIVE MIXES & NEGATIVE MIXES

PASTING
- APPLY PASTE TO Grids.
- FLASH DRY PASTED PLATES

HYDROSET
CURE/DRY PASTED PLATES

BRUSHING/PARTING
- BRUSH PLATES
- PART PLATES (IF REQUIRED)

WRAP & STACK
ENVELOPE POSITIVE PLATES &
STACK WITH NEGATIVE PLATES,
TO GET STACKED ELEMENTS

ASSEMBLY
- CAST - ON - STRAP
OR
BURN POSITIVE PLATES INTO COMMON STRAP
& BURN NEGATIVE PLATES INTO COMMON STRAP,
TO GET ELEMENT.
- PLACE ELEMENTS INTO CASE.
- SEAL COVER INTO CASE
- SEAL TERMINALS
- TEST FORLeaks

FILL
FILL BATTERY WITH ACID

OFF-CHARGE
- WASH THE BATTERY
- HIGH-RATE TEST THE BATTERY

FINISHING
- LABEL BATTERIES
- PALLETIZE

SHIPPING

LEAD SUPPLIER

SEPARATOR MAT’L

VITRIOL
PURCHASE VITRIOL

ACID MIXING
MIX VITRIOL W/WATER TO REQUIRED CONCENTRATIONS.
(SPECIFIC GRAVITIES)
- STORE ACID

GRID CASTING
- MELT LEAD
- CAST SUPPORTING FRAME

SMALL PARTS
- CAST TERMINAL POSTS
- CAST STRAPS

OXIDE
- MELT LEAD TO REACT WITH OXYGEN
TO GET LEAD OXIDE
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