

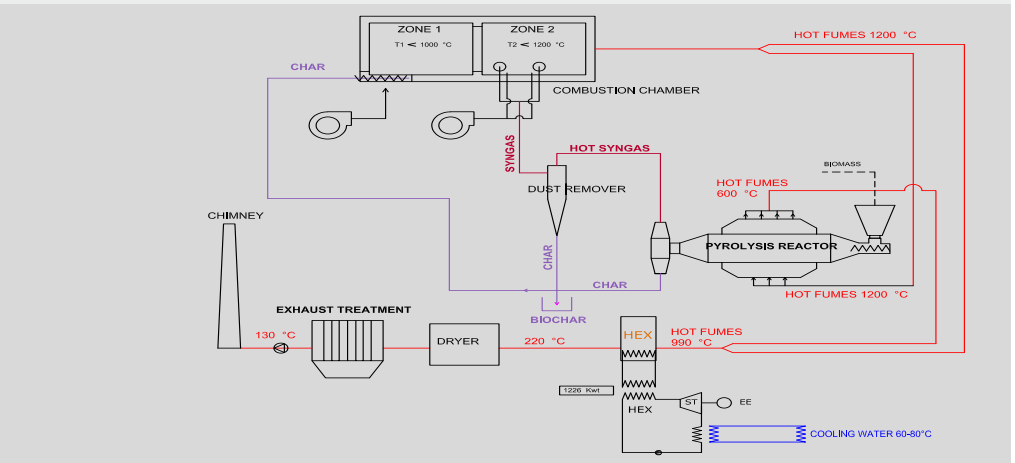


# Biorefineries

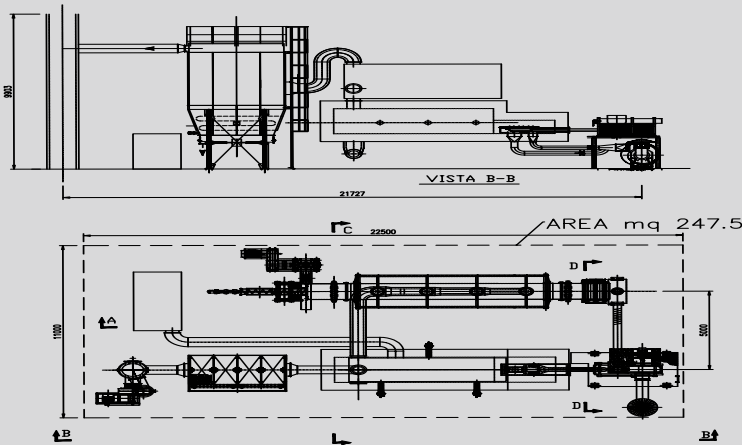


## RESIDUAL BIOMASS TREATMENT PLANT

### PROCESS FLOW DIAGRAM



### 200 KW PRODUCTIVITY PLANT: LAY OUT



### TECHINAL DATA FOR 200 KWe PLANT

1. FEEDING MATERIALS : VIRGIN BIOMASSES
2. FEEDING CAPACITY : up to 500 kg/hr at 10% humidity
3. PYROLYSIS TEMPERATURE : 500 -600 °C
4. PRODUCED ELECTRIC POWER : 200 Kwe (max)
5. AVAILABLE THERMAL ENERGY FOR OTHER USES : 1000 Kw (at 80°C)
6. FERTILIZER/BIOCHAR PRODUCTION : 120 kg/h
7. PLANT AREA REQUIRED : about 300 sq mt (plus stockage area)