

## Cosumption List

Item	Steam heating type	Electricity heating type
Heating source consumption	0.91 ton -1 ton for one batch (about 4 hours), <b>so average is about 0.25 ton per our</b> . Boiler need produce 0.5 ton steam per hour, pressure is 0.8 MPa	The total electricity heating pipe is 360KW. <b>Average consumption is about 120KW per hour during work</b>
Machine electricity consumption	41.55kw(screw conveyor 2.2kw,batch cooker 5.5kw, screw conveyor 2.2kw, press 15kw, vacuum pump 6.2kw, condenser 7.5 kw, cooling tower 0.75kw, washing tower 2.2kw) <b>Average consumption is about 22.15kw per hour. It does not include boiler consumption</b>	41.55kw(screw conveyor 2.2kw,batch cooker 5.5kw, screw conveyor 2.2kw, press 15kw, vacuum pump 6.2kw, condenser 7.5 kw, cooling tower 0.75kw, washing tower 2.2kw) <b>Average consumption is about 22.15kw per hour. It does not include electricity heating pipe consumption</b>
Other cost	(1) Need 2 workers to operate, one worker input raw material, one worker operate machine. (2)commissioning costs is USD100 for our engineer for one person per day. We can finish commission in about 15 days. You need hire some local workers to install machine according to our foundation drawing after machine arrived.	(1) Need 2 workers to operate, one worker input raw material, one worker operate machine. (2)commissioning costs is USD100 for our engineer for one person per day. We can finish commission in about 15 days. You need hire some local workers to install machine according to our foundation drawing after machine arrived.
Final product	1 ton material will produce 0.2-0.25 ton powder,0.05-0.07 ton oil ( it depends on meat and bone data).	1 ton material will produce 0.2-0.25 ton powder,0.05-0.07 ton oil ( it depends on meat and bone data).
Temperature and pressure	(1)Normally cooking max pressure is about 0.2MPa, temperature is about 120℃ (you can adjust temperature to be 140 ℃ ) (2)Drying max pressure is about - 0.085MPa (negative pressure), temperature is about 85℃ ( with vacuum pump).	You can adjust heat conduction oil temperature, the maximum tempeature is up to 300℃. <b>Our engineer advice that you do not use electricity heating type, the heat conduction oil is fast to increase temperature, but is slow to reduce temperature. It is difficult to control to reduce temperature.</b>