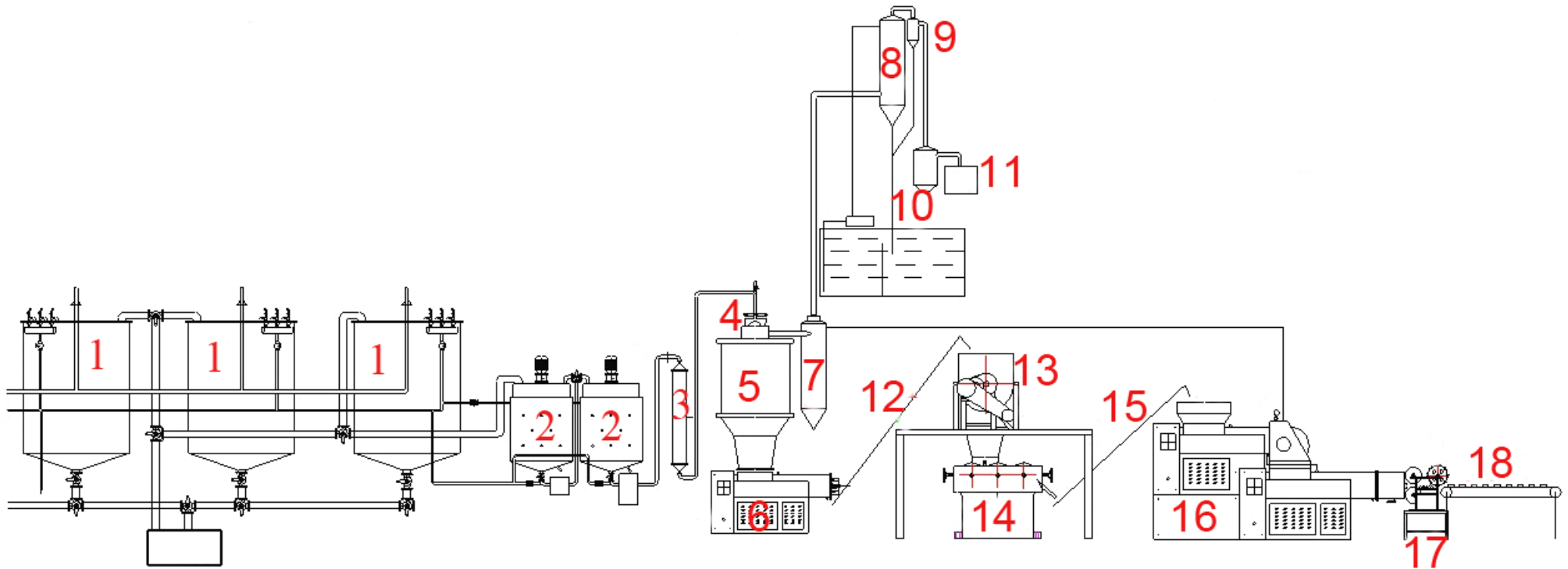








300-800kg/h Saponification Laundry Soap Making Line

I. Working Flowchart & Machine List







1. Saponification pot 2. Soap crutcher pan 3. Column tube heater 4. Filter 5. Vacuum drying chamber 6. Double screw granulator
 7. Cyclone separator 8. Condenser 9. Water-air separator 10. Buffer tank 11. Pumps 12. Conveyor 13. Mixer
 14. Three roll grinding mill 15. Conveyor 16. Vacuum extraction machine 17. Digital cutting machine 18. Conveyor 19. Packing machine
 20. Electric panel


No.	Machine name/Description	Model	Quantity	Power(Kw)	Picture
1	<p>Saponification pot</p> <p>Since the size ϕ 2500*3750*600mm is too large for shipping, these three pot will be made on site during installation</p>	P250	3	/	
2	<p>Soap crutcher pan</p> <p>Effect: it can add the foam base, pigment, essence and so on to stir together with the soap base.</p> <p>Output: 1.5 tons per time.</p> <p>Size: Φ 1500 * 2400 mm</p> <p>Weight: 1200 kg</p>	T140	2	2.2	
3	<p>Column tube heater</p> <p>Evaporate the water from the soap base and make the soap more transparent and effective.</p> <p>Column number: 87.</p> <p>Or: Φ 525 * 3450 mm</p> <p>Weight: 496 kg</p>	T325	1	/	
4	<p>Filter</p> <p>Purpose: to filter the impurities in the soap pan and the mixing tank.</p> <p>Size: 6.5mm.</p> <p>Size: Φ 400 * 550 mm</p>	S325	1	/	

5	<p>Vacuum drying chamber</p> <p>The process of turning a soap base from a liquid to a solid, thereby extracting water from the soap base.</p> <p>Speed: 13 revolutions per minute.</p> <p>Work efficiency: 500-1000kg/ h.</p> <p>Size: 3280*1500*1600mm.</p> <p>Weight: 1570 kg</p>	T130	1	2.2	
6	<p>Double screw granulator</p> <p>Work efficiency: 1000-2000kg/ h.</p> <p>Motor power: 15 kw.</p> <p>Dimensions: 2600*900*1200mm.</p> <p>Weight: 1200 kg</p>	C245	1	7.5+15	
7	<p>Cyclone separator</p> <p>Effect: to separate the soap base from the water.</p> <p>Dimension: Φ 960 * 3400 mm</p> <p>Weight: 520 kg</p>	T960	1	/	

8	<p>Condenser</p> <p>Number of orifice plates: 7</p> <p>Dimensions: 950*3800mm.</p> <p>Weight: 750 kg</p>	T75	1	/	
9	<p>Water-air separator</p> <p>External dimension: 400*1300mm.</p> <p>Weight: 150 kg</p>	T670	1	/	
10	<p>Buffer tank</p> <p>Dimension: Φ 700 * 2300 mm</p> <p>Weight: 275 kg</p>	T80	1	/	
11	<p>Vacuum pump 1set Snail pump 1set</p> <p>Bleaching pump 1set Immersible pump 2sets</p> <p>Effervescent alkali pumps 1set</p> <p>Gear pump 3sets</p> <p>Rod pump 2 sets</p>	T800	11	1.5	

12	<p>Conveyor</p> <p>To transfer the mixed material to vacuum extraction machine</p> <p>Dimension: 4300x550x650mm</p> <p>Weight: 160Kg</p>	TSR50	1	2.2	
13	<p>Mixer</p> <p>Add flavor, color or other ingredients and mixing them together evenly</p> <p>Capacity: 70kg/batch Weight: 420Kg</p> <p>Dimension: 1800x1000x1100mm</p>	SHJ700	1	3	
14	<p>Three roll grinding mill</p> <p>To grinding raw material and prepare for next step</p> <p>Dimension: 1300*1650*1300mm</p> <p>Weight: 2692Kg</p>	S260	1	7.5	
15	<p>Conveyor</p> <p>To transfer the mixed soap noodle to extraction machine</p> <p>Dimension: 4440x550x850mm</p> <p>Weight: 165Kg</p>	TSP50	1	2.2	

16	<p>Vacuum extraction machine</p> <p>To make laundry soap</p> <p>Dimension: 3900x1000x2150mm</p> <p>Weight: 2150Kg</p>	C245	1	7.5+15	
17	<p>Digital cutting machine</p> <p>To cut the soap strip to pieces</p> <p>Cutting length: 60-400mm adjustable</p> <p>Dimension: 800x360x800mm</p> <p>Weight: 58Kg</p>	QK200	1	/	
18	<p>Conveyor</p> <p>To transfer the final soap to packing machine</p> <p>Dimension: 4440x550x850mm</p> <p>Weight: 165Kg</p>	TSP50	1	2.2	
19	<p>Soap packing machine</p> <p>To pack the soap</p> <p>Dimension: 4600x1100x1900mm</p>	W500	1	3.2	

20	<p>Electric panel</p> <p>To control all of the machines in the production line</p>	/	1	/	
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Remark: the above quotation do not include the on site equipment, on site installation materials and installation tools:

1. On site equipment:

–1. Boiler 2t/h capacity one set, buyer get from local market and installed by local supplier, because if get from China to install the boiler takes too long time, the installation cost is too high, also in some country install boiler need permission from local government

–2. Saponification pot 3 sets dimension: ϕ 2500*3750*600mm because the size is too big for delivery, will make on site during installation

2. On site installation material:

–1. Carbon steel plate 22 pieces size 1260x6000x4mm to make the 4 sets saponification pot

–2. Antiskid plate 5 pieces

–3. 1 inch bend 55 pieces

–4. 1 inch seamless tube 7 pieces

–5. 1 inch valve 21 pieces

–6. 1.5 inch bend 60 pieces

–7. 1.5 inch seamless tube 3 pieces

–8. 1.5 inch seamed pipe 21 pieces

–9. Gas valve 15 pieces

- 10. Common valve for water 5 pieces**
- 11. 1.5 inch three way joint 5 pieces**
- 12. 1.5 inch two way joint 3 pieces**
- 13. 2 inch seamless tube 3 pieces**
- 14. 2 inch bend 4 pieces**
- 15. 2.5 inch bend 17 pieces**
- 16. 2.5 inch seamless tube 1 piece**
- 17. 2.5 inch seamed pipe 10 pieces**
- 18. 2.5 inch three-way valve 10 pieces**
- 19. 2.5 inch two way valve 10 pieces**
- 20. 3 inch bend 5 pieces**
- 21. 3 inch seamed pipe 10 pieces**
- 22. 4 inch ben 3 pieces**
- 23. 4 inch seamed pipe 14 pieces**
- 24. 219 seamless pipe 2 pieces thickness 4-5mm**
- 25. 219 bend 2 pieces**
- 26. 10# box iron 30 pieces**
- 27. 4# angle iron 35 pieces**
- 28. 1 inch seamed pipe 31 pieces**

All of the valves should include flange, bolt and spacer

All of the box iron, angle iron and steel plate length should be 6 meters

3. Installation tool:

- 1. Electric welding machine 2 sets, each welding machine with 15 meters cable**
- 2. Electric cutting machine 1 set with one box cutting blades**
- 3. Gas cutter 1 set**
- 4. Welding rod 15 boxes**
- 5. Welding gloves 6 pairs**
- 6. Slate pencil 2 box**
- 7. Spanner 1 unit**
- 8. Measure tape 2 pieces each one 5 meters length**
- 9. Screwdriver 1 unit**
- 10. Vice 1 piece**
- 11. Angle square 1 piece**
- 12. Leveling instrument 1 piece**





