

上海梵茨科技工程有限公司

Shanghai VANNCEL Technology  
Engineering Co., Ltd.

**think  
different...**



# 精酿解决方案

Craft Brewing Solution



# 专利设计

我们有多多年精酿工程的经验，通过不同客户的需求，而总结和开发出节能，环保，自动化的工艺设备。



# Patent Engineering

Shanghai VANNCEL Technology Engineering CO., LTD established in 2013, focus on technology and engineering for brewing, beverage and other food industry. We provide Craft Brewing Solution based on German Style Solution which bring you high efficiency and easy comfortable operation.

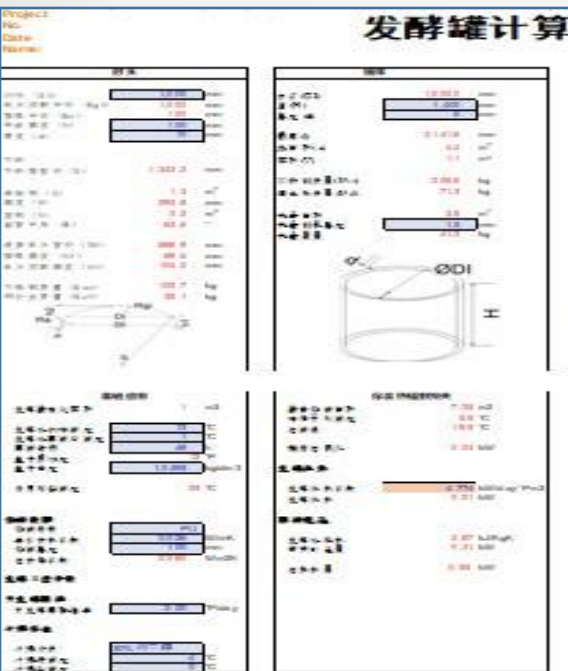




# 专业的工程计算

Professional Calculation

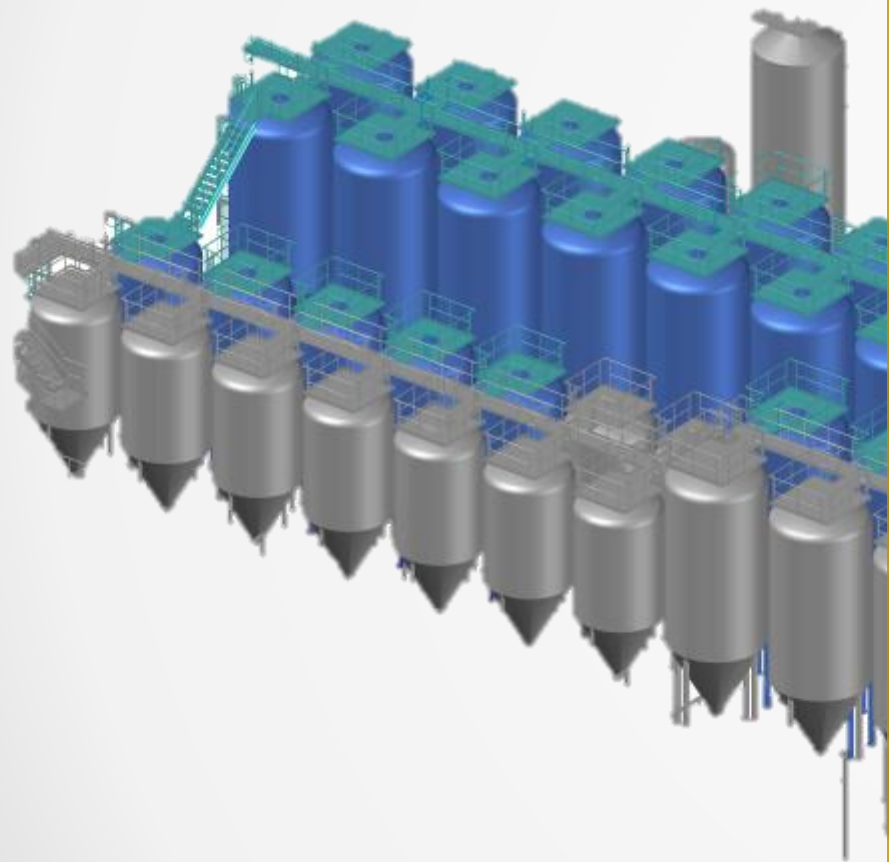
- 针对不同行业 and 标准开发的专业计算工具
- 给客户提供更专业的解决方案
- Professional Calculation tools based on different standards and industry branches
- To provide professional solution for customer



计划编号	罐号	罐心 X	罐心 Y
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100000	1002	1002	1002
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# 3D设计

3D Engineering



# 糖化煮沸锅

Mash Tun / Wort Kettle

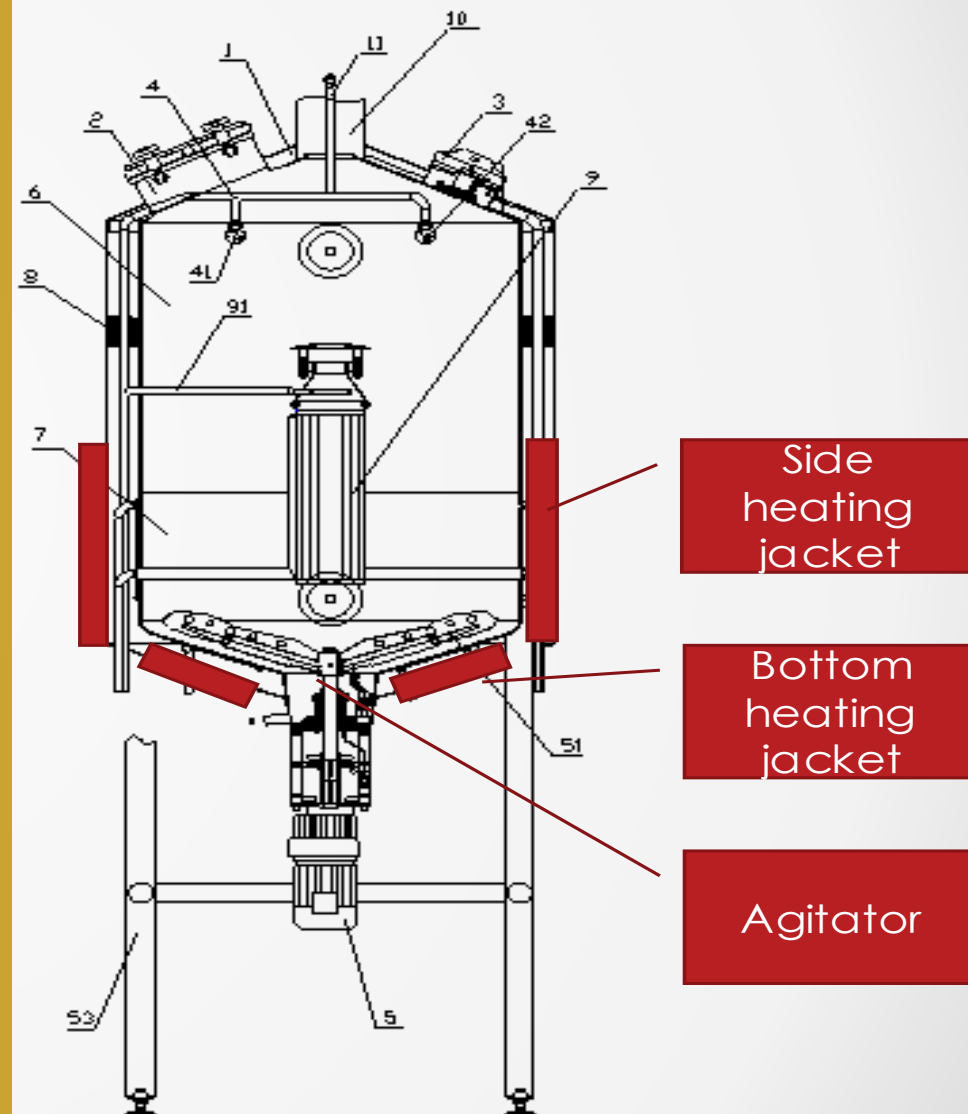
- 2段/3段式夹套加热
  - 内加热器
  - 底部搅拌
- 
- 2 / 3 heating jacket
  - Internal boiler
  - Agitator from below



# 糖化煮沸锅

Mash Tun / Wort Kettle

- 糖化
  - 搅拌更好的混合醪液
  - 低吸氧风险
  - 更好的均一性
- 筒节和底部加热夹套
  - 更好的热传导
  - 可适应不同的投料量
- 分步式糖化
  - 提高糖化收得率
  - 更好的灵活性
  - 更好的β-葡聚糖的分解，更容易过滤
- Mashing
  - Agitator for Mix
  - Low oxygen risk
  - Better Homogeneous
- Shell and bottom heating jacket
  - Better heat transfer
  - Suitable for different size of batch
- Steeping Mash
  - Improve brewhouse yield
  - Flexible for brewer
  - Better for solution of β-glucan, easy lautering





# 糖化煮沸锅

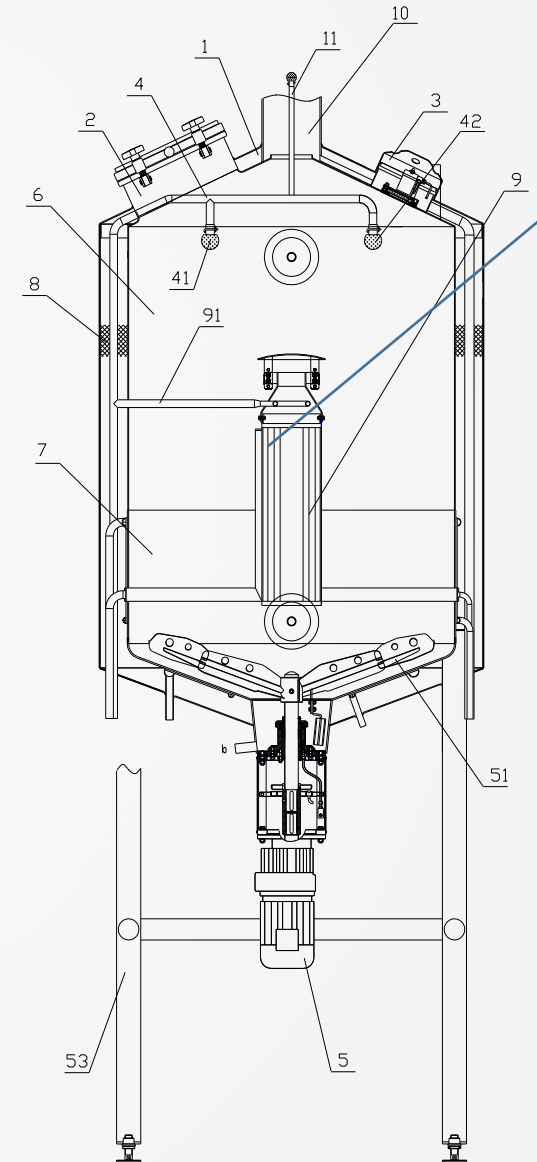
Mash Tun / Wort Kettle

## ● 内加热器

- 用夹套和加热器同时给醪液加热升温，可以缩短加热时间，减少麦汁和醪液的热负荷
- 内加热器是麦汁煮沸的最好解决方案
- 提高蒸发效力
- 节约时间和能源
- 提高酒花收得率
- 避免麦汁氧化
- 增加美兰德反应速率

## ● Internal Boiler

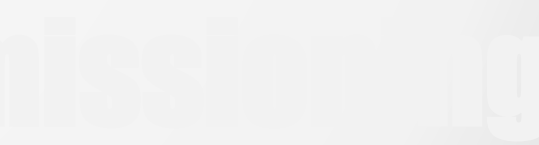
- Using heating jacket and boiler together wort can be heated rapidly in order to reduce warm load of wort
- Internal Boiler is best solution for wort boiling
- Improve effect of boiling
- Save time and energy
- Improve yield of hops
- Avoid oxidation of wort
- Improve speed of Maillard reaction



Internal  
Boiler



糖化视频  
Video of Mashing



麦汁煮沸视频  
Video of Boiling

# 过滤槽

Lauter Tun

- 顶部驱动搅拌
  - 高质量的筛板
  - 直/曲不同的耕刀
  - 可不同方式洗糟
  - 可单独CIP
  - 可冲洗假底
- 
- Drive from Top
  - High end of false bottom (not mesh)
  - With straight and zig-zag knives
  - Sparging possible
  - CIP possible
  - Flushing bottom possible





过滤槽视频  
Video of Lauter Tun





# 过滤槽缓冲罐

Buffer of Lauter Tun

- 可视觉观看麦汁过滤质量
  - 可确保过滤的速度
  - 避免糟层被压过实
- 
- Buffer realize visual possibility for wort quality
  - Ensure speed of lautering
  - No risk of compact of spent grain



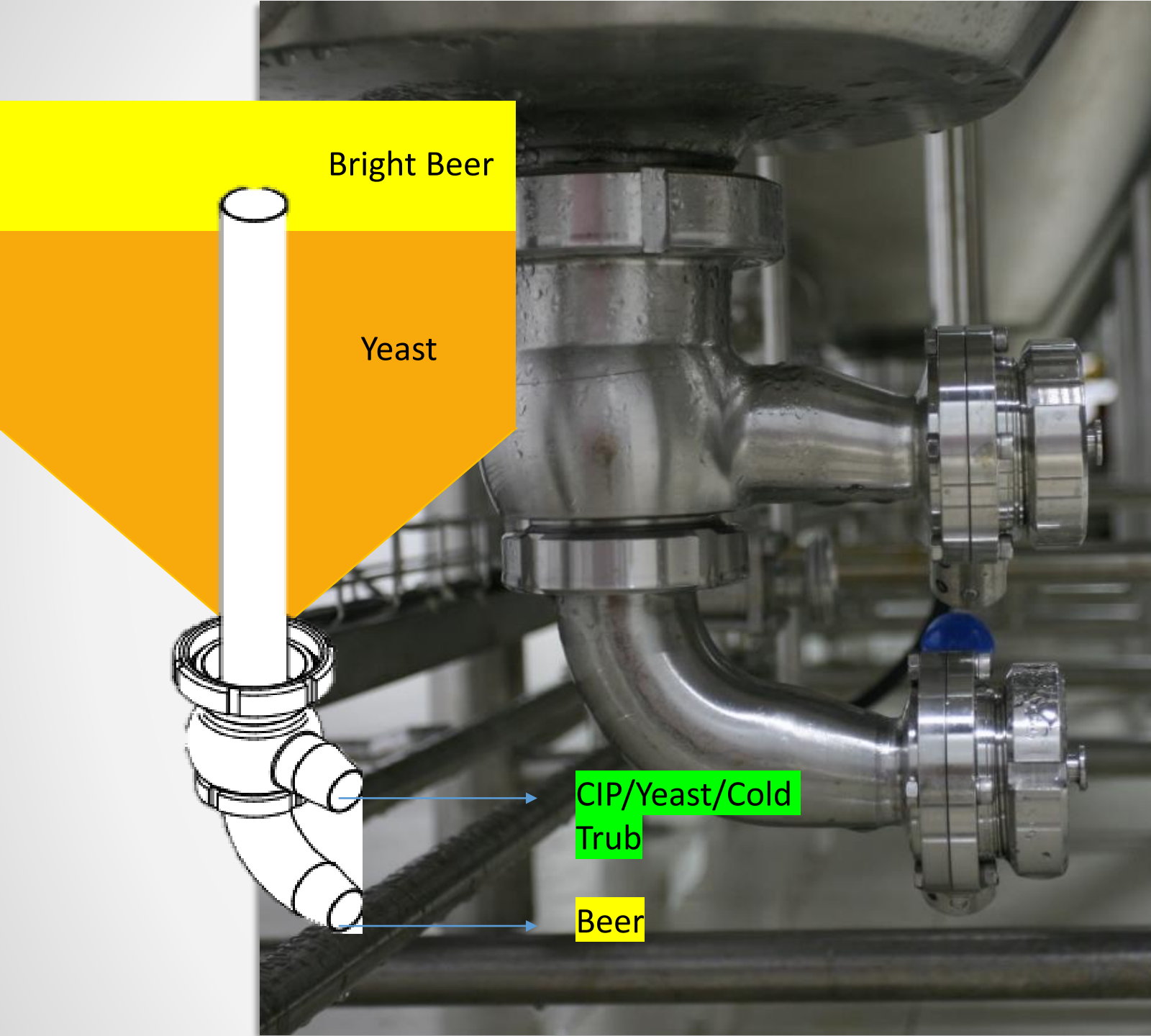




# 发酵罐双出口

Double Outlet of Fermentation Tank

- 优势
  - 发酵罐体少一个固定开口，更卫生，低成本
  - 底部出口，更容易CIP
  - 酒液和CIP/酵母出口距离近，容易操作
  - 可拆卸，容易维修
- Advantages:
  - Less holes on tank body, more hygienic and less cost
  - Bottom outlet, easy CIP
  - Beer outlet and CIP/Yeast outlet nearby, easy for operation
  - Easy maintenance

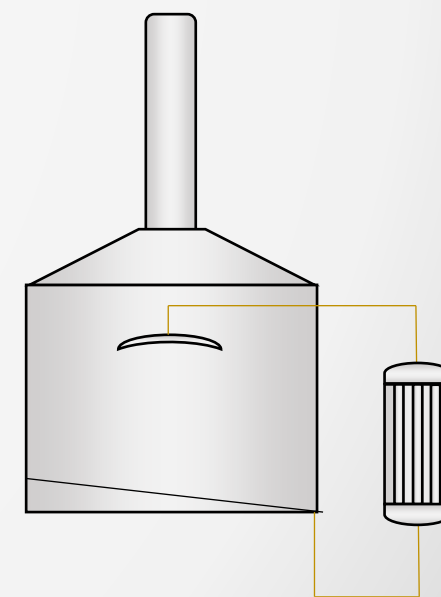
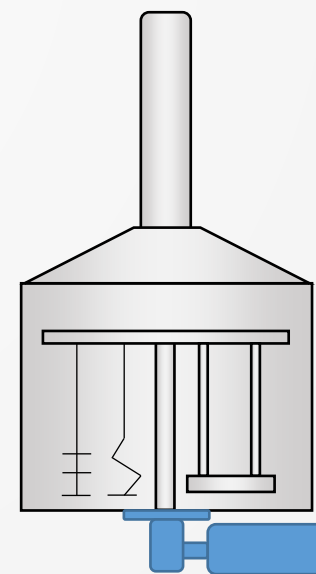
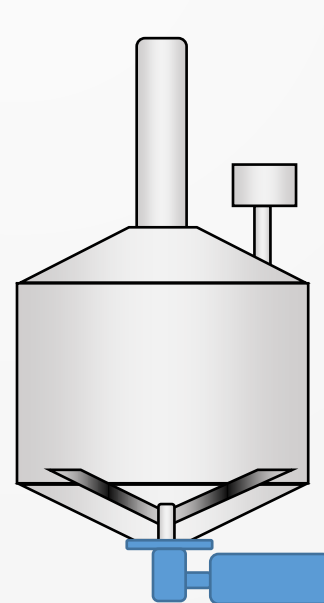
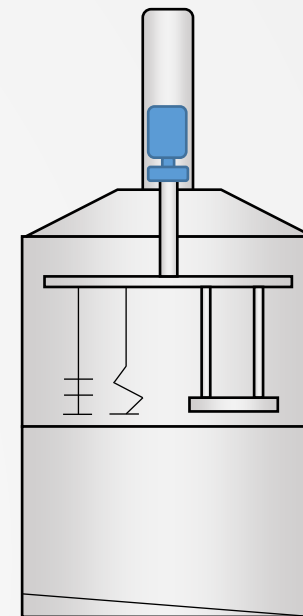
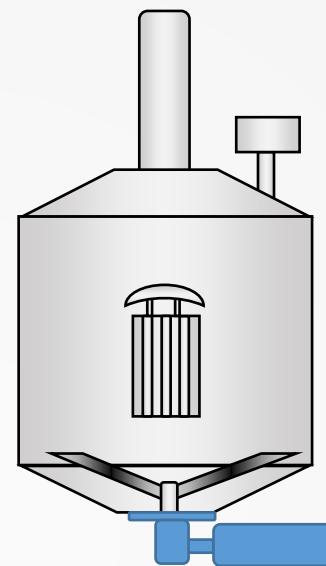


# 不同的组合

Different Combination

- 2hl ~ 50hl / 批次
- 1~4 批次/天

- 2hl ~ 50hl / brew
- 1~4 Brews/day

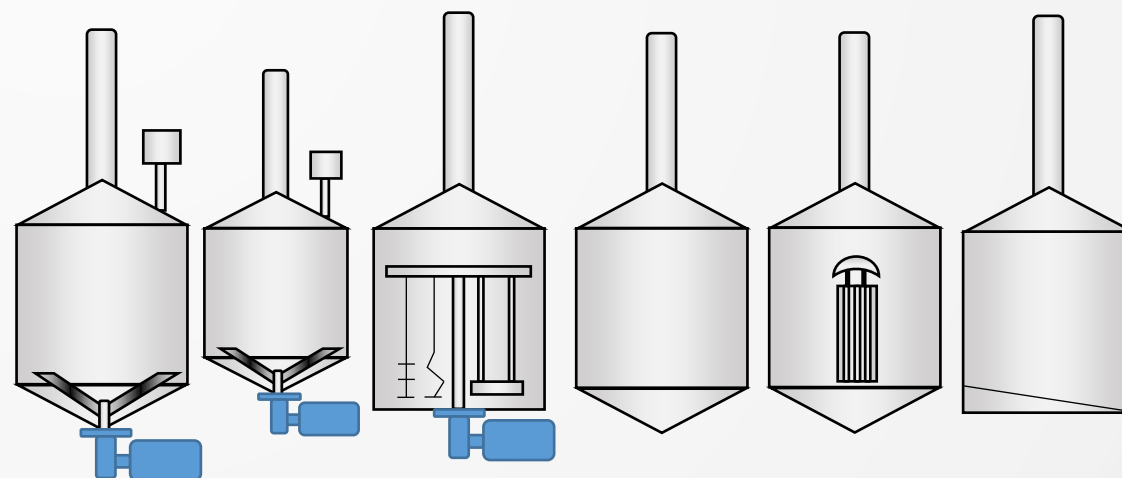
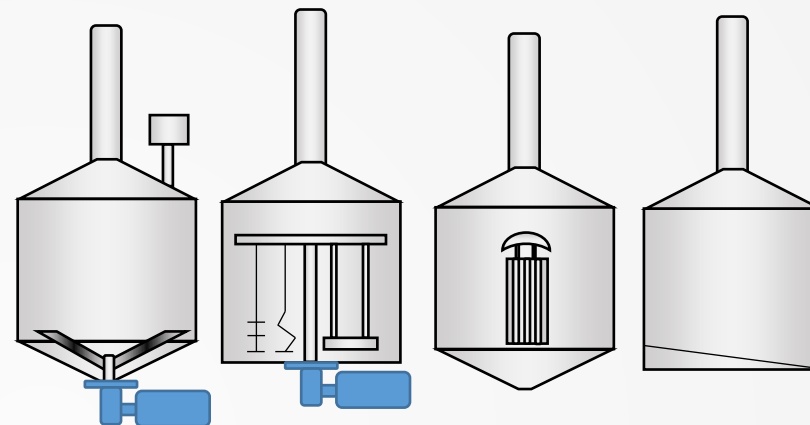




# 不同的组合

Different Combination

- 10hl ~ 100hl / 批次
- 6~12批次/天
  
- 10hl ~ 100hl / brew
- 6~12 Brews/day



# 案例

Reference

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# 案例

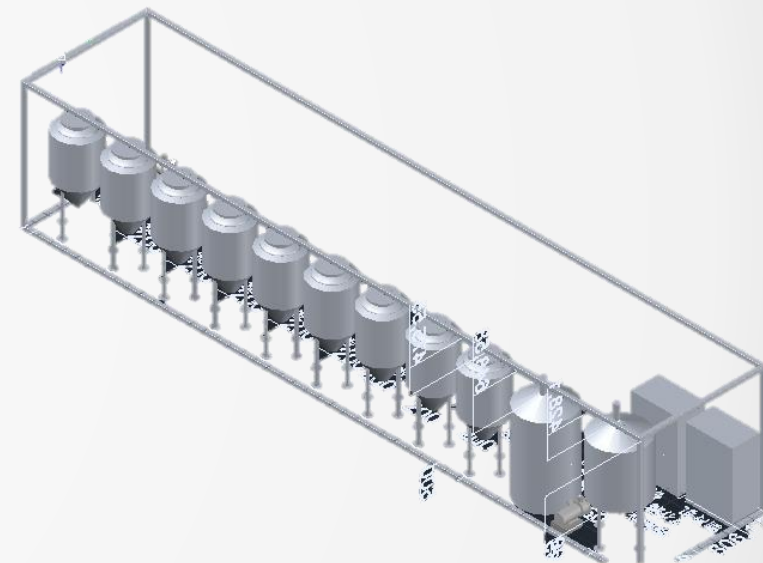
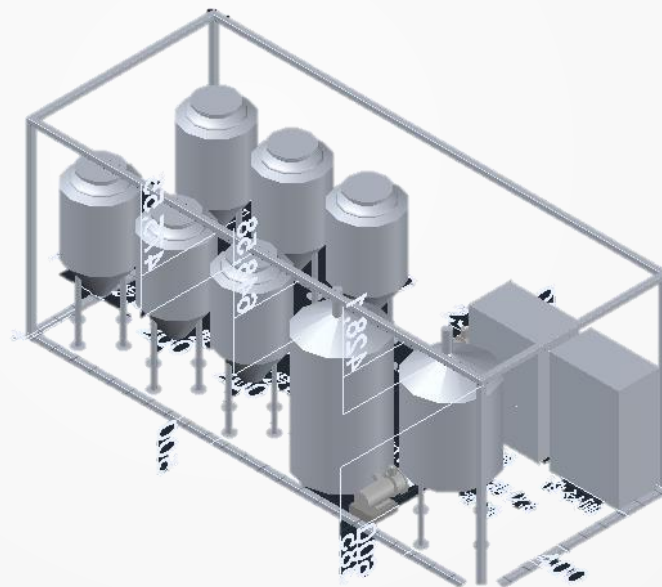
Reference

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# 移动案例

Portable Solution







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