

SINCE1986

# 镇田机械

专业服务洁净工程  
三十年设备制造经验



Professional service in cleaning engineering  
30-year manufacture experience

**WENZHOU JHENTEN MACHINERY CO.,LTD**



# 模块化解决方案 Modularized Solution



镇田机械是面向食品饮料、制药和保健品行业的领先的设备和解决方案供应商，可以为食品饮料及制药行业提供固液混合、溶解、过滤及储存工艺设备和解决方案，我们的产品涵盖了制药软胶囊、纯水注射水、CIP自动清洗、过滤系统等单一设备、模块化系统和完整生产线。

真正重要的是镇田具有非常成熟的应用经验，将可信的技术与持续的创新相结合，旨在为食品饮料及制药行业的客户提供最具性价比的单一设备和解决方案，帮助客户始终处于领先地位。镇田的产品通过其良好的品质和声誉，已经赢得了众多全球知名的品牌的认可。

Wenzhou Jhenten Machinery co., Ltd is a supplier of advanced equipment and a solution adviser in food and beverage, pharmaceuticals and health products and a solution. In those field, we are able to provide solutions and equipment of solid and liquid mixing, dissolving, filtering and storing process. Not only do we manufacture the single specific equipment for pharmaceutical soft capsule, pure water injection, CIP automatic cleaning and filtering system, but also we design the modular system and complete production line.

What crucial and significant is our mature technologies and practical experiences in years. Through combining the trusted technology and sustainable innovation, we aim to provide the most cost-effective single device and to propose the reasonable solution for the customers in food and beverage and pharmaceuticals industries so that they have advantages to stand out from others and are in a leading position all along. It is our excellent products in first-class quality that win the reputation and recognition from numerous world leading brands.

## 工艺模块及自动化

我们的设备组合包括各种标准的和定制的容器、配料罐、发酵罐和流体过滤设备，以及适用于乳品、果汁、茶饮料和制药软胶囊、制剂行业的先进工艺模块。我们推崇全厂自动化，包括清洁工艺(CIP/SIP)，可确保工厂近乎自动运转，这是未来一项重要优势。这些优势也能使我们的客户对我们保持信心。

## Process module and automation

The products cover standard and customized vessels, batching tanks, fermentation tanks and fluid filtration equipment and other leading process modules applied in dairy products, juice tea, capsule and preparation industry. Meanwhile we value and execute automation including CIP/SIP to secure the nearly full automatic running in the factory. That must be a indispensable superiority in the future, which guarantees confidence from our customers.





# 自动溶胶配料系统解决方案

## Automatic gelatin solution and batching system



镇田溶胶配料系统具有完善设计理念及成熟的应用案例，并充分考虑生产现场实际需求；整体生产加工工艺及制造控制秉承镇田机械一贯的严谨、核心部件采用国际高品质品牌，保证了产品的稳定及可靠性。

镇田自动溶胶配料系统配置小袋投料站、真空上料系统、自动脱泡系统、热水循环系统、全自动CIP工作站、双搅拌化胶罐、高速搅拌配料罐。

Jhenten gelatin solution and batching system is design with mature concept and is proved by practices in years with full consideration of the actual needs; the whole process and control of manufacturing production adheres rigor at all time, the core components adopt international brand, ensuring products' stability and reliability.

Jhenten automatic gelatin solution and batching system is equipped with pouch feeding station, automatic vacuum system, automatic deaeration system, hot water circulation system, automatic CIP workstation, double mixing plastic tank and high speed mixing tank.

模块化程序设计  
Modularize program design

干气密封结构  
Special dry mechanical seal





采用模块化的设计理念，结构紧凑，一套设备可以满足多种不同剂型产品的生产需求。

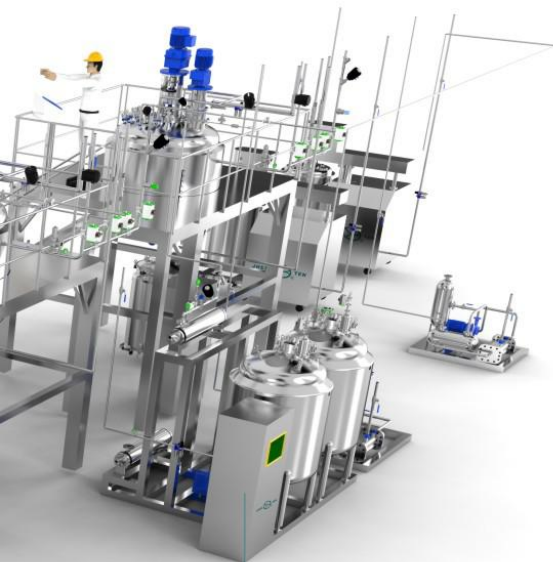
With modular design concept and in compact structure, a set of equipment meets various production needs of different dosage forms.

## 自动溶胶配料描述特点

- 无尘投料(底部抽真空投料/在线共混投料)
- 精准自动化脱泡(胶泡高位自动报警，自动真空及脱泡)
- 防交叉污染(特殊干气机封防止油封带来的污染)
- 清洗快捷方便(独立的CIP系统清洗)
- 柔性化配方管理(所有的程序均是模块化设计，可以根据不同药品的性质，自由的选择搭配，实现多种配料需求)

## Characteristics of automatic gelatin solution and batching system composition

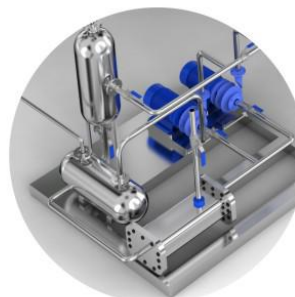
- Dust-free feeding (bottom vacuum feeding / online blending feeding)
- Precise automatic deaeration (kalymma high automatic alarm, automatic vacuum and degassing)
- Cross contamination prevention (special dry gas mechanical seal to prevent pollution caused by oil seal)
- Fast and convenient cleaning (independent CIP system cleaning)
- Flexible formula management (all program are modular design. According to the nature of different drugs, we choose and match modules to achieve a various ingredients needs)



底部真空上料  
Bottom vacuum feeding

独立CIP系统  
Independent CIP system

自动真空脱泡  
Automatic vacuum  
and degassing



自动真空脱泡  
Automatic vacuum  
and degassing



干气密封  
Special dry mechanical  
seal



# CIP系统模块

## CIP system module



生产工艺系统的清洗和消毒是产品加工过程中最重要环节，可以确保消费者的安全与健康。合适的清洗是生产高品质的产品必不可少的环节，特别是可以帮助延长产品的保质期。

镇田 CIP 系统是可以根据客户的要求量身定做的系统，它可以确保提供清洁和消毒的工况条件。

Cleaning and sanitisation of process plant is one of the most critical aspects of product processing to ensure the health and safety of the consumer. Proper cleaning is essential for the production of high quality products especially those with extended shelf life.

Jhenten CIP system is tailor made system by customer requirement, it implemented to ensure a clean and sterilized condition.

### 应用

#### Application

乳品、食品饮料、啤酒、制药、生物制品、化工、日化  
Dairy, Food & beverage, Brewery, Pharmaceutical, Biotechnology, Chemical, Cosmetics





## 特点 Features

- 降低运营成本的设施
- 清洗时间减少的转身
- 注射用水清洗要求大大减少
- 特殊的喷嘴设计的可以完全覆盖清洗的表面。
- 有效减少产品运行和产品转换的停机时间。
- CIP 和SIP 系统采用共用的碱、酸、消毒剂、回水，新鲜的水和SIP蒸汽，从而降低运行成本。
- 可定制的CIP 和SIP 系统。
- Lower Facility Operating Costs
- Reduced turn around time for cleaning
- WFI requirement for cleaning reduced significantly
- The special spray design can wet the surface completely.
- Minimize downtime between product runs and product changeover.
- CIP and SIP system adopts common cleaning media like caustic, acid, disinfectant, return water, fresh water, and steam for SIP, resulting in reduced running costs.
- Customized CIP and SIP system are also available upon request.



## 技术参数 Technical Specification

- 系统可配置单罐，双罐，三罐和四罐
- 全自动化流程或者手动操作
- 工艺参数在线显示
- 权限访问以控制未授权的修改
- 可配置清洗剂/酸/碱等加药装置
- 在线PH计，电导率，TOC值检测
- 流量从1M³/H到50M³/H
- 从50L到3000L的不锈钢304或者316L罐
- 可根据ASME BPE 或者ISO标准设计
- 配置PLC和触摸屏，并可连接SCADA
- Systems with one, two, three, or four tanks
- Completely Automated Process or manual operate
- On line display of process parameters with P & I of Operating Systems
- Supervisory access code prevent unauthorized changes
- Detergent / Acid / Alkali dosing
- On Line PH, Conductivity, TOC Sensing
- Flow range 1.0 m³/hr to 50.0 m³/hr
- 50 Ltrs to 3000 Ltrs Stainless Steel 304 or 316L makeup /recirculating tank
- CIP is designed in accordance with ASME BPE or ISO guidelines
- PLC-based, with Touch Screen MMI and SCADA Packages





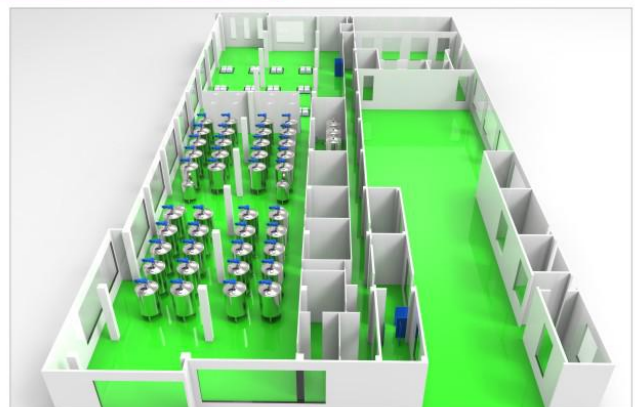
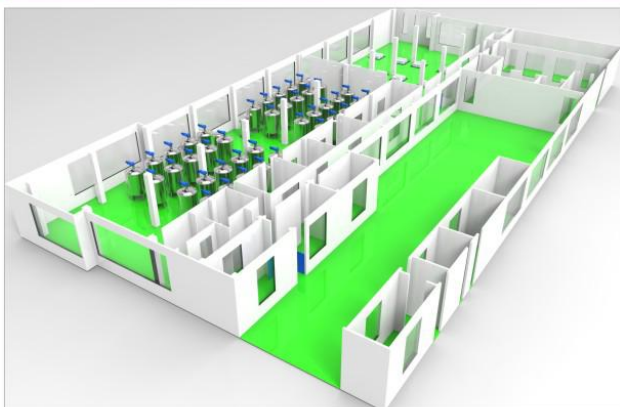
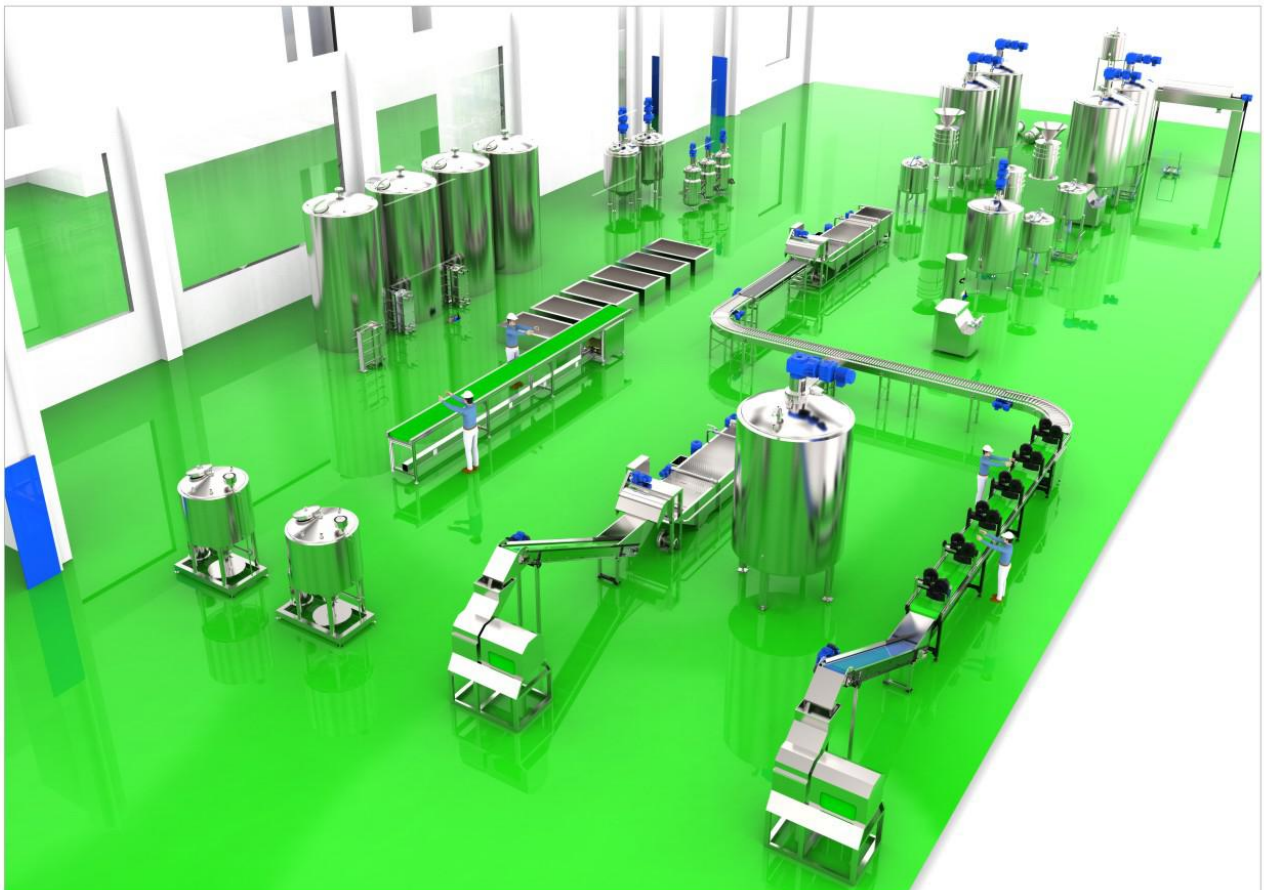
# 整厂罐体系统规划

## Process tank and pipe system design



温州镇田专业的设计团队和现场施工经验，完全可以帮助制药企业，食品饮料企业实现整厂工艺罐体和管路系统的设计规划，管理咨询与培训，现场施工服务。

Wenzhou Jhenten professional design team and site-field experience, could help pharmaceutical, food and beverage company to bring the whole process tanks and piping systems design and planning, management consulting and training, field construction services.





公众号二维码



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