YY-01
Automatic Continuous Foaming Machine
连续式自动发泡机

<table>
<thead>
<tr>
<th>TECHNICAL SPECIFICATION</th>
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<tr>
<td>Output: 300 kg/min</td>
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<td>Mixing Head: Made in Taiwan</td>
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<td>Mixing Motor: Taiwan Brand 40HP</td>
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<td>Control System: Human-Machine Interface(HMI)</td>
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<td>Electronics: Imported from Euro, USA, Japan</td>
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<td>Metering Pump: USA Viking/German Kracht</td>
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<tr>
<td>Flowmeter: ABB/ROTA</td>
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<td>Pneumatic Valve: Italy VALBIA</td>
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特性:
- 连续发泡机长度约30m
- 面板设计为走动式：长约20m，高1.2m
- 平面输送机：长约22m，宽约2.4m，高0.9m
- 抽风机×2部
- 输送带速度为每分钟2m至8m
- 底纸送纸设备及边纸送纸设备
- Continuous foaming approximate 30m Length
- Conveyor type of sidewall is 18m Length, 1.2m Height
- Base conveyor: about 22m, Width 2.4m, High 0.9m
- Exhaust fan × 2
- Conveyor speed of 2m to 8m per minute
- Paper feed device and side paper rewind device

用途:
- 连续式自动发泡机适用于生产软质聚氨酯海绵，密度为10~80 kg/m³，自动化生产，生产成本低，操作系统稳定，质量优良。软质聚氨酯海绵主要用于家具、鞋材、箱包、电子、地毯及汽车工业
- 连续式自动发泡机械可生产软质聚氨酯海绵，美国防火棉，美国加州防火棉，德国车棉，超软海绵，胸围棉，鞋内棉，高承重海绵，仿乳胶海绵
- 海绵质量硬度分布均匀，密度误差小，稳定性佳
- RS控制系统将使海绵减少浪费
- 输送带运行平稳，且加装同步装置
- 设备结构设计优良，搅拌系统专利设计，高效能，混合均匀
- 采用进口电控设备，特殊经验设计，耐用，精度高，减少生产产生错误
**Feature:**
- Flexible polyurethane foaming machine was applied in furniture, brassiere, shoe material, carpet, car material
- More than 30 years of experience in slabstock technology have made Yang Yu machinery the leading expert and supplier of slabstock plant
- Good to make polyurethane foam such as conventional, high resilience(HR), visco-elastic(Memory) depends on stream selection.
- All foams system with excellent physical properties can be produced in a virtually complete density range
- Excellent distribution of hardness and density throughout the entire block cross section is achieved
- Less waste through perfectly rectangular and plane-parallel block cross Process with RS system
- Synchronous control precise conveying equipment
- Excellent mechanical structure design
- Sophisticated control and automatic concept ensure high-reliability production
- High-precision pumps
- Efficient mixing head
- European high-pressure air valve
- Foaming formulation can be selected depends on customer needs
- Multi-functional foaming choice between lay-down foaming and trough foaming
- Foam width can be adjusted from 1.5m~2.3m
- Key machine components are imported from internationally famous brand products in Europe and U.S.A
- Fall-plate angle can be adjusted between degree 2~5
- Clean and well-ordered tube design
- Paper unwind/rewind system
- Safety temperature controlling system

**Mixing Head System**
- **Mixer head pipe is made with stainless steel intensive materials**
- **Powerful 40HP Motor**
- **Special mixing stirrer design, efficiency and fine cell, especially it is perfect with 50% caco3, even for viscoelastic**
- **Air Valve use ITALY brand high pressure valve, use corrosion resisting teflon materials inside, good air tightness, endure chemistry raw materials such as glutinous chemistry raw materials**
- **Pressure switch gauge protect safety automatically when the foul appeared**
**Catalyst Pump & Tanks**

- H2O catalyst tank: capacity 100 L x 1 set, Material: Stainless Steel
- Tin catalyst tank: capacity 50L, Material: Stainless Steel
- AMINE catalyst tank: capacity 50L, Material: Stainless Steel
- SILICONE catalyst tank: capacity 100L, Material: Stainless Steel
- Color catalyst tank: capacity 50L x 2set, Material: Stainless Steel
- All above items include stainless high pressure pipes and high pressure connectors

**High-precision Pumps**

- It is durable, corrosion resisting, wear-resisting, high precise, Thermostable, not lubricated, high Viscosity, even it is fit for poisonous meson
- Temperature scope: -50℃~+230℃
- Viscosity scope: 1 CST~55000 CST
- Differential pressure: 50 BAR
- Teflon filler seal

**U.S.A VIKING BRAND PUMP**

- It is durable, corrosion resisting, wear-resisting, high precise, Thermostable, not lubricated, high Viscosity, even it is fit for poisonous meson
- Temperature scope: -50℃~+230℃
- Viscosity scope: 1 CST~55000 CST
- Differential pressure: 7 BAR
- Teflon filler seal

**RS System**

- It is durable, corrosion resisting, wear-resisting, high precise, Thermostable, not lubricated, high Viscosity, even it is fit for poisonous meson
- Temperature scope: -50℃~+230℃
- Viscosity scope: 1 CST~55000 CST
- Differential pressure: 7 BAR
- Teflon filler seal
产品介绍 | PRODUCT INTRODUCTION

大料缸-管路-冷却系统
PPG-TDI-MC

- PPG大料缸，5吨1只，使用碳钢制作，内装有恒温控制，冷却盘管（不锈钢材质制作）；搅拌电机使用3HP附有减速机
- PPG2料缸，3吨1只，使用碳钢制作，内装有恒温控制，冷却盘管（不锈钢材质制作）；搅拌电机使用3HP附有减速机
- TDI料缸，5吨1只，使用碳钢制作，内装有恒温控制，冷却盘管（不锈钢材质制作）；搅拌电机使用3HP附有减速机
- MC料缸，1吨1只，使用碳钢制作，内装有恒温控制，冷却盘管（不锈钢材质制作）
- Tank PPG1: 5ton x 1set, Carbon Steel material, Include the stainless steel coiled cooling pipe, Motor:3HP with gear reducer
- Tank PPG2: 3ton x 1set, Carbon Steel material, Include the stainless steel coiled cooling pipe, Motor:3HP with gear reducer
- Tank TDI: 5ton x 1set, Carbon Steel material, Include the stainless steel coiled cooling pipe, Motor:3HP with gear reducer
- Tank M/C: 1TON x 1set, Carbon Steel Material, Include the stainless steel coiled cooling pipe

电控箱-流量计
Control Panel & Flow Meter

- BEIJER人机界面
- 长度计数装置
- 升降板高度显示装置
- 阀门未开，反锁装置
- 各大料管道内，配有温度显示
- 控制柜内特殊散热控制，保持恒温
- 异常控制显示，自动监视实际发泡状况
- 设计A/B系统，可连续性切换产品
- 出料时间控制
- BEIJER digital screen
- Mitsubishi PLC
- Length counter
- Fall plates drawing
- Feedback warning for switch open
- Temperature system
- Flow-rate adjustment
- Monitor fact foaming situation
- A/B Formulation switch

碳酸钙预搅拌
CACO3 Premixer

- 减成本，可添加50%碳酸钙增加硬度与密度
- Less cost using caco3 with quality
  Rising hardness & Rising density

硅油预搅拌
Silicone & Air Premixer

- 转速：5000 RPM
- 特殊矩形搅拌叶设计
- 减少空穴
- 增加海棉物性
- 极佳手感
- 精细结构
- Speed:5000 RPM
- Fine cell structure
- Less airhole