Polyurethane Machinery

- PLC high pressure polyurethane foam machine
- Low pressure flexible foam machine
- Low pressure self-cleaning machine
- Low pressure spray machine
- Micro-computer High pressure metering machine
- Micro-pore elastomer casting machine
- Low pressure elastomer foam machine
- Polyurethane package foam machine
- PU filter pouring machine
- Hydraulic polyurethane pouring machine
- Polyurethane shoe sole making machine
- Low pressure rigid foam machine
- Sandwich panel making machine

Plastic machine

- Plastic pipe production line
- Plastic sheet production line
- Plastic board production line
- Plastic profile production line
- Plastic foam product production line

Anticorrosion and insulation equipment

- Shot blasting machine for steel pipe and cylinder-shaped product
- Shot blasting machine for steel sheet
- Shot blasting machine for steel structure
- One step insulation pipe production line
- Three PE insulation pipe production line
- Anticorrosion pipe production line
- FRP pipe production line
- Two step insulation pipe production line
Main advantage technology:

Original spearhead material can be measured by itself.
Automatic accurate filling when you input filler amount.
After mixing pressure setting can be constant by itself.
Input material can be adjusted.
The original couplings from temperature to magnetic.

Parameter table

<table>
<thead>
<tr>
<th>Model</th>
<th>Material ratio A:B</th>
<th>The material temperature A/B</th>
<th>Output A+B (g/s)</th>
<th>Volume L/Can</th>
<th>PowerKW</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHRF-40</td>
<td>adjustable</td>
<td>adjustable</td>
<td>60 - 600</td>
<td>220</td>
<td>28</td>
</tr>
<tr>
<td>PHRF-100</td>
<td>adjustable</td>
<td>adjustable</td>
<td>132 - 1320</td>
<td>220</td>
<td>38</td>
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<tr>
<td>PHRF-200</td>
<td>adjustable</td>
<td>adjustable</td>
<td>300 - 2500</td>
<td>450</td>
<td>60</td>
</tr>
<tr>
<td>PHRF-300</td>
<td>adjustable</td>
<td>adjustable</td>
<td>500 - 5000</td>
<td>450</td>
<td>100</td>
</tr>
</tbody>
</table>
High-pressure mix head is the main component which plays a key role in different polyurethane production process. It ensures that each component can get optimal mixture to produce high quality products. Different polyurethane products, match different mixing head, to ensure optimum effect.

Magnetic coupling  Touch screen/PLC main computer  Metering pump

Applicable scope: Insulating pipeline, sandwich board of freezing house, interlayer of freezer or refrigerator, steering wheel, automobile seat and so on.
Low pressure flexible foam machine

Features:
1. Measurement standards; using low-speed high-precision metering pumps, when the material temperature, pressure and viscosity without fluctuations, the mixing ratio don’t change, in order to achieve the highest rate of quality;
2. advanced casting head structure, reliable performance, easy operation, simple maintenance, can be used before and after and the three-dimensional moving around up and down;
Computer-controlled pouring volume and automatic cleaning.
Applications: used for the production of rigid semi-rigid or flexible polyurethane products, the applicable: motorcycle, car, seat cushions, steering wheel, tires, handrails, refrigerators, insulation materials, wood furniture, etc

<table>
<thead>
<tr>
<th>Model</th>
<th>Material flow (1:1) g/s</th>
<th>Material Tank (L)</th>
<th>Power (kw)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>BLF-1</td>
<td>3.3</td>
<td>13.3</td>
<td>60</td>
</tr>
<tr>
<td>BLF-5</td>
<td>16.6</td>
<td>66.6</td>
<td>80</td>
</tr>
<tr>
<td>BLF-15</td>
<td>50</td>
<td>250</td>
<td>120</td>
</tr>
<tr>
<td>BLF-35</td>
<td>100</td>
<td>600</td>
<td>120</td>
</tr>
<tr>
<td>BLF-60</td>
<td>250</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>BLF-120</td>
<td>666.6</td>
<td>2000</td>
<td>200</td>
</tr>
</tbody>
</table>

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Low pressure self-cleaning machine

Independent innovation, a new generation of low foaming machine

Parameter table

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet diameter</th>
<th>Outlet diameter</th>
<th>Rotating speed/min</th>
<th>Max. flow kg/min</th>
<th>Power per unit</th>
<th>Total weight (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLR-30</td>
<td>1Inch</td>
<td>1Inch</td>
<td>470</td>
<td>30</td>
<td>9.05kw</td>
<td>0.6</td>
</tr>
<tr>
<td>BLR-50</td>
<td>1.2Inch</td>
<td>1.2Inch</td>
<td>470</td>
<td>50</td>
<td>9.05kw</td>
<td>0.6</td>
</tr>
<tr>
<td>BLR-100</td>
<td>1.2Inch</td>
<td>1.2Inch</td>
<td>470</td>
<td>100</td>
<td>10.05 kw</td>
<td>0.8</td>
</tr>
<tr>
<td>BLR-150</td>
<td>1.5Inch</td>
<td>1.5Inch</td>
<td>470</td>
<td>150</td>
<td>12.05 kw</td>
<td>1</td>
</tr>
<tr>
<td>BLR-180</td>
<td>2Inch</td>
<td>2Inch</td>
<td>470</td>
<td>180</td>
<td>16.05 kw</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Scope of application: the rigid foam, such as the kitchen equipment, security doors, refrigerators etc
Low pressure spray machine

Main Parameters:

- Volume of Tank: A, B tank, volume 27L
- Ratio: 1:1-1:2
- Viscosity of PU: 200~700cps
- Temperature: Max. 60℃
- Low pressure cleaning: Auto by air
- Voltage: AC380V/3 Phases/4 wires
- Total Power: 4KW
- Air pressure: 6~8kg/cm²
- Air displacement: more than 0.4m³/min
- Weight: 135kg
- Overall dimension: L×B×H=750mm×490mm×800mm
Micro-computer High pressure metering machine

This series is the one specially designed according to customers’ needs, which have good utility and good economy. The users could simply select the machine type to produce different products. Additionally, its excellent performance-price ratio helps to establish high reputation in the market.

**Structural features:**

Double mixing, the vertical movement 1.5 meters, the horizontal movement 1.5 meters, 360Kg tanks/only, 99 time point guards, automatic feeding system, for continuous casting tube.

**Structural features:**

270-degree rotating hydraulic arm, can be adjusted up and down, material bin adopts carbon steel materials, which sealed up and down, with built-in closed slot can resist pressure. Self-cleaning filter, with high efficient filtering function, convenient and quick

<table>
<thead>
<tr>
<th>Model</th>
<th>Material Flow (1:1) g/s</th>
<th>Material Tank (L)</th>
<th>Power (KW)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>BHR-40</td>
<td>300</td>
<td>600</td>
<td>100</td>
</tr>
<tr>
<td>BHR-150</td>
<td>1000</td>
<td>2300</td>
<td>220</td>
</tr>
<tr>
<td>BHR-220</td>
<td>1500</td>
<td>3400</td>
<td>280</td>
</tr>
<tr>
<td>BHR-300</td>
<td>2000</td>
<td>4800</td>
<td>360</td>
</tr>
<tr>
<td>BHR-400</td>
<td>2500</td>
<td>6800</td>
<td>500</td>
</tr>
</tbody>
</table>
Micro-pore elastomer casting machine

1. Character
This series machines are high tech products, which developed according to usage and high tech from international. The main parts imported. Components: 2-5, flow rate: 3.33-2500g/s, volume of tank: 20-1000L, The series machines include Middle Pressure Elastomer Casting Machine, High Pressure Elastomer Casting Machine, NDI Elastomer Casting Machine, and TPU Elastomer Casting Machine. Color and other additives can add directly. High precision measuring pump, reliable heating system and modeling mixhead.

2. Application
Elastomer products in TDI, MDI series, MOCA and other chain extender material

3. Advantages
1) Accuracy measurement
2) Fine differences≤±0.5%
3) Mixing uniformity
4) Innovate mixing structure
5) Reliable performance
6) New style thermostat
7) Temperature difference: ≤±2℃
8) New outlet valve

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Low pressure elastomer foam machine

Mix head
● Mixing by agitator for better mixing performance
● New-designed pouring valve for precision dosing, high degree of vacuum ensures no visual cellular
● Color additive available

Metering Unit
● High precision, low speed positive displacement gear pump
● Variable output and matching adjusted by inverter

Components Storage and Temperature Conditioning
● Jacketed tanks with visual level tube
● Digital pressure gauge for control; visualization of pressure with max; Alarm value
● Electrical resistance heater for temperature conditioning operation

Electrical Control System
● Fully controlled by SCM (single chip microcomputer)
● OP7 operating panel, easy to use, have function of machine parameter setting, pouring time, temperature and cleaning control

<table>
<thead>
<tr>
<th>Model</th>
<th>Material Flow (1:1) g/Min</th>
<th>Material Tank (L)</th>
<th>Power (KW)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td>Pre-Poly</td>
</tr>
<tr>
<td>BLE-1</td>
<td>200</td>
<td>800</td>
<td>120</td>
</tr>
<tr>
<td>BLE-5</td>
<td>1000</td>
<td>5000</td>
<td>150</td>
</tr>
<tr>
<td>BLE-10</td>
<td>3000</td>
<td>8000</td>
<td>220</td>
</tr>
<tr>
<td>BLE-15</td>
<td>5000</td>
<td>15000</td>
<td>220</td>
</tr>
<tr>
<td>BLE-25</td>
<td>8000</td>
<td>24000</td>
<td>300</td>
</tr>
</tbody>
</table>

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Polyurethane package foam machine

Details:

**Main Parameters:**
- Output: 3-4.5kg/min.
- Pressure: 1.2-2.3MPa
- Temp. control: 0-99°C
- Timing range: 0.01-99.99s
- Weight: 80kg
- Power: 2.5kW
- Service required
- Electricity 220v/50Hz
- Air 0.7-0.8kg/cm²
- 0.35m³/min
PU filter pouring machine

Details:

**Features:**
Driving table is digital controller, mould will go as program set
Advantage: high efficient, stable performance, easy operation

**Application:** auto air filter, industrial filtering equipment, etc

Filter forming oven:

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Hydraulic polyurethane pouring machine

**Introduction:**
After the great success of high-pressure pneumatic foaming machine, the new hydraulic foaming machine is presented to the market. This model machine is the most advanced and durable foaming machine in the middle & small output foaming machine area.

**Features:**
- Advanced SBP technique assures the stability of fluid flow pressure and intensive mixing of material
- Structure-optimized gun reduces the wearing sharply
- Hydraulic power resolves the problem of gun jam
- User-friendly operating panel enables the simplicity of using

**Application:**
- Solar water heater
- Electric water heater
- Joint/fitting insulation for pipe

**Parameter:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (r.p.m)</th>
<th>Max. output (kg/min)</th>
<th>Power (kw)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BH(R)-10</td>
<td>1400</td>
<td>10</td>
<td>4.4</td>
</tr>
<tr>
<td>BH(R)-20</td>
<td>1400</td>
<td>20</td>
<td>6.0</td>
</tr>
</tbody>
</table>

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Polyurethane shoe sole making machine

Polyurethane pouring machine:
Even mixing by agitator, synchronically pouring without jam
High pressure, low speed positive displacement gear pumps; speed acquisition is done by impulse
Jacketed stainless steel tank, headed by constant temperature oil tank
Fully controlled by SCM (single chip microcomputer) and mix head is individually equipped with controller

Carousel
Drying channel is heated by oil or electricity
Chain drive

Oven
Digital temperature gauge for exact temperature control

<table>
<thead>
<tr>
<th>Model Item</th>
<th>BL(E)-S1</th>
<th>BL(E)-S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ration</td>
<td>100:80-110</td>
<td>100:80-110</td>
</tr>
<tr>
<td>Tank(L)</td>
<td>120L×2</td>
<td>120L×3</td>
</tr>
<tr>
<td>Power(kw)</td>
<td>13</td>
<td>18</td>
</tr>
<tr>
<td>Carousel</td>
<td>Stations for mould 60/70/72/80/84/96</td>
<td>Drying channel 6/7/8/9</td>
</tr>
</tbody>
</table>

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Low pressure rigid foam machine

Usage:
1. Used for rigid semi-rigid pu product, such as, Refrigerators, freezers, disinfection cabinet, garage door, lamp panels, decorative articles, frames, flowers, wood products

Applications
1. Car manufacturing
2. Mechanical
3. Petrochemical
4. Light industry
5. Defense
6. Furniture

Parameter

<table>
<thead>
<tr>
<th>Model</th>
<th>Material Flow (1:1) g/s</th>
<th>Material Tank (L)</th>
<th>Power (kw)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>BLCR-5</td>
<td>16.6</td>
<td>66.6</td>
<td>60</td>
</tr>
<tr>
<td>BLCR-15</td>
<td>50</td>
<td>250</td>
<td>120</td>
</tr>
<tr>
<td>BLCR-35</td>
<td>100</td>
<td>600</td>
<td>120</td>
</tr>
<tr>
<td>BLCR-60</td>
<td>250</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>BLCR-120</td>
<td>666.6</td>
<td>2000</td>
<td>200</td>
</tr>
</tbody>
</table>

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Sandwich panel making machine

Rigid foamed plastic sandwich color steel continues production line is used to produce sheet which the surface are color steel, middle can be polyurethane, polyisocyanurate and phenolic foam.

Specification of sheet: Thickness: 30-150mm, width: 700-1220mm, length: as required
Application: Steel structure sheet, house sheet and other insulation after change surface material

1. **Hydraulic unfolding machine**: color steel unfolds, hydraulic control, Max. load weight: 5T or 10T
2. **Up and down pressure forming machine**: sheet structure, sealed frame, gear drive, shape according to customers’ requirement
3. **Pre-heating table**: temperature 40℃, adjustable
4. **Heating device**: Oven, 80℃ adjustable
5. **Reaction casting machine**: Measure and mix the two different liquid in certain ratio. Machine has cooling and temperature control device ensure temperature suit technical requirement. The machine has high and low pressure.
6. **Side edge stop gauge**: Avoid leakage from sides, width adjustable, speed and laminating machine deliver synchronization
7. **Double track laminating conveyor machine**: Length can be 12M、18M、24M、30M and 36M. speed: 3～8m/min. conveyor have steel sheet and aluminum sheet option
8. **Hot wind circulating device**: Heat double track conveyor, temperature from 20℃ to 60℃ only need 60mins, heating have two choices: warm air oil furnace and electric or steam and electric heating
9. **Cutter**: two choices: saw auto tracking cutter, disc auto tracking cutter
10. **Hydraulic shear and laminate device**: Cutter for steel or aluminum sheet after unfold, hydraulic drive, cutter and unfold machine use one hydraulic station, max. cutting thickness: 1.0mm
11. **Moving foaming machine**: servo and crank throw servo two types

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Plastic pipe production line

Large Diameter Jacket Pipe Extruder

Application:
This unit is mainly used to manufacture large-diameter PE insulating pipes. The products are mainly applied to external laye of heat supply pipes with its PU middle layer and the internal layer of steel pipe. Besides, we could produce the water supply or water drainage pipes.

Main parameters:

<table>
<thead>
<tr>
<th>Model</th>
<th>Screw Dia. mm</th>
<th>Length/Dia.</th>
<th>Total power KW</th>
<th>Heating Power KW</th>
<th>Cooling Method</th>
<th>Capability kg/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLSJ65</td>
<td>65</td>
<td>25-33</td>
<td>15-55</td>
<td>12-18</td>
<td>Air cooling/ water cooling</td>
<td>150</td>
</tr>
<tr>
<td>BLSJ90</td>
<td>90</td>
<td>20-33</td>
<td>22-150</td>
<td>14-40</td>
<td>Air cooling/ water cooling</td>
<td>260</td>
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<tr>
<td>BLSJ120</td>
<td>120</td>
<td>20-33</td>
<td>37-230</td>
<td>20-60</td>
<td>Air cooling/ water cooling</td>
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<tr>
<td>BLSJ150</td>
<td>150</td>
<td>25-33</td>
<td>90-300</td>
<td>30-80</td>
<td>Air cooling/ water cooling</td>
<td>650</td>
</tr>
<tr>
<td>BLSJ200</td>
<td>200</td>
<td>25-30</td>
<td>110-450</td>
<td>50-120</td>
<td>Air cooling/ water cooling</td>
<td>1000</td>
</tr>
</tbody>
</table>

Components of production line:
This line mainly consists of extruder, haul-off, air sealing machine, support, mould, cooling system and electric control parts.
Plastic profile production line

- adopts special design screw & barrel, die head and processing technique for wood-plastic products. Series products including: One step wood-plastic thick plate equipment; all sorts of wood-plastic die head. Used two extruders extrusion directly, also can granulation and then with two-stage approach extrusion, power saving and space efficient, high output and steady-going extrusion pressure, preheating filling machine fixed on top of main extruder, extract most of water remaining in wood powder to make the feeding stage of extruder more solidify, plasticization and mixing performs very well. Optimized screw design allows a small clearance to wood fiber not easy to shear and to ensure melting material residence well-distribute. Screw & barrel made with bimetallic and nitride to ensure wear resistant and corrosion resistance of equipment, so as to prolong service life.

This line applied to Wood-Plastic profiled products for PE, PP and PVC, mainly apply to pallet packaging plate, floor and our door decorating materials, widely application. Wood powder and plant fiber addition volume very high (Max. Can be reached to 50-75%), equipped with high flexibility to processing materials such as PP, PE, ABS, PS at one time.

<table>
<thead>
<tr>
<th>Extruder model</th>
<th>SJZ55/110M</th>
<th>SJZ65/132M</th>
<th>SJZ80/156M</th>
<th>SJZ92/188M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main motor power</td>
<td>22</td>
<td>37</td>
<td>55</td>
<td>110</td>
</tr>
<tr>
<td>Down-stream equipment model</td>
<td>YF240S</td>
<td>YF240A</td>
<td>YF300A</td>
<td>YF600</td>
</tr>
<tr>
<td>Product width(mm)</td>
<td>Max240</td>
<td>Max240</td>
<td>Max300</td>
<td>Max600</td>
</tr>
<tr>
<td>Vacuum pump(kw)</td>
<td>2*5.5</td>
<td>4*5.5</td>
<td>4*5.5</td>
<td>4*55</td>
</tr>
<tr>
<td>Water pump(kw)</td>
<td>1.5</td>
<td>4</td>
<td>4</td>
<td>7.5</td>
</tr>
<tr>
<td>Haul-off speed</td>
<td>0-5</td>
<td>0-5</td>
<td>0-5</td>
<td>0-3</td>
</tr>
<tr>
<td>Down-stream equipment power</td>
<td>22</td>
<td>35</td>
<td>35</td>
<td>44</td>
</tr>
<tr>
<td>Output(kg/h)</td>
<td>70</td>
<td>120</td>
<td>120</td>
<td>180</td>
</tr>
</tbody>
</table>

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XPS foamed board has a perfect closed-pore calceolate structure. Its density, water absorption, coefficient of heat conducting and the coefficient of steam pervasion are all lower than those of other board heat preservation materials. They have the characteristics of strong intensity, light material, airtight, anticorrosion, aging resistance, low cost, etc. It has been widely used in the fields of heat preservation and heat insulation in the construction industry, frost resistance of the highway, railway, airport, square and household fitment. It is the generally acknowledged and the best heat preservation material in the market at present.
Shot blasting machine for steel pipe / cylinder-shaped product

Steel Pipe Surface Shot Blasting Machine
This series is designed for the large, middle and small calibre size of the steel pipe and the cylinder, Impeller head locate at multi angle, which is the high efficiency blasting wheels, shot blasting with high-speed thick blasting pills and blowing on the surface to have a tridimensional and Omni bearing cleaning, to clean away the rusting layer, oxidation layer and other dirty things from surface quickly, to make surface achieve a bright and clean surface and to improve the adhesion force of painting to surface and improve the anti-fatigue force and anti-rust capacity of surface, improve the inherent quality of surface and prolong the lifetime of steel pipe.
Pass Through Type Steel Plate Shot Blasting Machine
This series is a multi-function surfaces treatment equipment in steel material and profiled steel. Adopting advanced unit disk and high efficiency curved propellers, and sending bunches of projectile in high speed and density to impact on the surface of the original steel material. It can fall off the rust layer, welding slag, oxide skin and other stains quickly to obtain a clean surface in a certain roughness. This machine is used to improve the adhesion of the paint film and steel surface; and to improve the fatigue strength and corrosion resistance of the steel. What’s more, it improves the inner quality of the steel and prolongs its service life.
Pass Through Type Steel Structure Shot Blasting Machine
This series mainly used in rusty layer on the surface, oxidation to the skin, wheel blasting cleaning of welding slag in profiled steel, H-steel, steel structure and large heavy steel structure. It can clean up the rust layer, welding slag and other stains of the original steel material by the way of using bunches of projectile in high speed to beat the surface, then obtain a clean surface in a certain roughness. Improve the adhesion of the paint film and steel surface. Clean away inner acting force of work piece. Improve the fatigue strength and corrosion resistance of the steel. What's more, it prolongs its service life. It is the best choice for mesh, steel structure, ship, bridge, engineering machinery, boiler manufacturer and so on.
One Step PU Insulating Pipe Production Line

The technology is to cover the steel tube surface with insulation layer & anti-corrosion layer at the same time, thus forms insulating & anti-corrosion layer of the pipeline, which is pioneer way in China. Compared with other methods, it features continuous operation, high efficiency, low cost, energy saving, environment pollution-free and so on. Progress second prize, several technologies updates to the advanced international level. After updating technology, it has reached international advanced level.

Technical features:
1. can be operated continuously, high production efficiency, low cost, energy saving
2. automatic deviation adjusting machine, high exactness, steady working, effective correction
3. the whole line all conveyed by rubber wheel, avoid damage to anti-corrosion layer of steel tube
4. Jacket layer stick with foam layer, foam layer stick with anti-corrosion layer, anti-corrosion layer firmly stick with steel tube.

Specification table of one step moulds

<table>
<thead>
<tr>
<th>Steel Tube Size(mm)</th>
<th>Tube Wall Thickness(mm)</th>
<th>Insulating Layer(mm)</th>
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</thead>
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</tr>
</tbody>
</table>
Three-PE insulation pipe production line

One New Style of Anti-corrosion & Heat Insulation Production Line of Steel Tube

Multi-purpose Integrated Production Line for 3-layer PE Anti-corrosion & One-step Foaming Jacket Heat Insulation

According to social demands on steel pipe insulation, our company developed a new type of comprehensive line which can be used for single-layer epoxy powder anti-corrosion, PE two-layer anti-corrosion, PE three-layer anti-corrosion, jacket tube coating, one-step foaming jacket anti-corrosion & insulation, cold tape wrapping anti-corrosion and variety of anti-corrosion works. At present, our company has completed the key scientific and technical testing; whose result has successful online application for PE three-layer production line in oil fields in northern China. When need to do anti-corrosion for steel tubes with three-layer PE, powder, tape, etc. by spiral transmission, just adjust conveying angle of the line, you can fulfill spiral transmission for steel tubes, which completed a variety of anti-corrosion winding operations; when need to do anti-corrosion & heat insulation for steel tube foaming jacket, adjust conveying wheel in parallel with production line, then steel tube can be moved straight forward, so as to complete the anti-corrosion & heat-insulation operation for foaming jacket.

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During work for foaming jacket of steel tube, we can use PE three-layer extruder, and change die head of extruder from T type (sheet shape) into O type (round shape), which can pull out cylindrical jacket and produce one-step foaming jacket insulating pipes. Some special equipment for three-layer PE and jacket can be flexible exchanged. Such as: die head, deviation adjusting machine and so on. The line can be produced into pry loading structure, easy to transport in on-site construction.

The line has increased tape winding machine, powder coating machine and primer coating machine, which can complete winding operation with tape, epoxy powder, epoxy coal asphalt and so on. The technology can also do rebuilding for original equipment, which complete multi-purpose operation.

This line applied to contract manufacturers do various anti-corrosion & heat insulation project for steel tubes with different kinds of steel tube and anti-corrosive materials.

**The line features:**

- Comprehensive anti-corrosion & heat insulation of the steel tube, apply to various anti-corrosion & insulation technology.
- Multi-purpose for one line, it can reduce building cost of anti-corrosion & insulation steel tube manufacturers with market adaptability.
- Simple changed, well-structured for all kinds of insulation anti-corrosion technology.
- Able to do pry loading operation, apply to various construction site requirements.
- Wide diameter range in operation for steel tubes: t/> 8mm - t/> 200mm
- Fast production speed
  - Ø48mm～Ø114mm steel tube can reach 4-6m/min
  - Ø159mm～Ø273mm steel tube can reach 3-5m/min
  - Ø325mm～Ø630mm steel tube can reach 2-4m/min
  - Ø720mm～Ø1200mm steel tube can reach 1-3m/min

**Shot blasting agents:**

- Cut Wire
- Steel Shot
- Steel Grit
- Stainless Steel Shot
FRP pipe production line

GRP Winding Production Line

Product use:
The series of winding machine unit dedicated to production of glass pipe manufacturing, it features high precision, high-productivity, low energy consumption and simple installation & convenient maintenance, etc. It adopts industrial computer controlling, easy to operate. The machine enjoys high popularity among the GRP industry.

Control system for fiber winding is developed by our company technicians, who combined characteristics of glass fiber reinforced products in composite industry. This system adopts computer-controlled industrial control; the user can enter in winding program once and for all. It is mainly applied to automatic control during the production of glass fiber reinforced pipe technology, glass sand steel pipe; steel cans, such as glass GRP winding machine.

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This machine line is also called “pu insulation pipe forming platform”.

**Working procedure:**
First of all, we put the steel pipe on the roller pipe support, and put the pe pipe or other plastic pipe on the v-shaped pipe inserting platform. And the steel pipe will be pushed into the plastic pipe by a vehicle device. Then we put the pipe and steel pipe on the forming platform, and use flanges to make sure the space for injecting procedure. After the space is confirmed, we need micro-computer pu injection machine to inject pu material into the pipe. Wait for some time, the forming procedure will be done. When forming procedure is done, we can unload the finished pipe with forklift, or cranes.

This machine will save lot of power, and it is widely used in Russian speaking countries.
Qingdao Ecorin Polyurethane Machinery Limited

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