Enterprise Culture

- ENTERPRISE MISSION
  Cultivate Ourselves, Manage Family, Devote to Work, Strengthen Nation

- ENTERPRISE VISION
  To be the leading company in scaffolding and formwork industry

- CORE VALUE
  Customer-focused, based on value creator

- ENTERPRISE SPIRIT
  Acute Sense, Teamwork, Enterprising, Self-improvement

- ENTERPRISE ATTITUDE
  Good at learning, immediate action
Tianjin Joy & Sun Environmental Friendly Product Co., Ltd is a subsidiary company of Beijing Jiuwei Holding Co., Ltd. It is a diversified subsidiary company specialized in designing, product development, production, sales, leasing and construction of the construction formwork system and supporting system. The business competely covers the engineering templates and the whole series of supporting system products and provide one-stop whole industry chain products and services.

The company is committed to promoting green and environment friendly building construction and in commercial buildings, residential buildings, civil areas to provide environmentally friendly, innovative concrete formwork products, especially focus on the new-type aluminum alloy template engineering program development and template production, to provide you with the most appropriate solutions, to make the construction being more secure, more environmentally friendly and healthier.
PRODUCTION STRENGTH
Aluminum alloy formwork is a new building template in recent years. There are more applications in many countries all over the world. There are more advantages over traditional template including material, construction results, cost budget, cost and other aspects. They can also reduce the project cost, improve project quality, accelerate the construction period for customer. Avoid human error in the process of construction, no residual waste dismantling engineering board, provide safe and civilized construction environment.

As Quick dismantling template system, it can be removed in 12 hours. It can achieve 3 days of ash to ash layer in the normal construction, thus greatly shorten the construction period.

Reusable - low cost
All accessories can be reused, using the whole extrusion forming aluminum alloy profiles as raw materials. It can be used over 200 times. Reducing cost to a great extent.

After stripping there without any garbage, no rust, no fire hazard, the installation site without nails and other construction debris, fully meet the standard of green construction. Aluminum Alloy material has been recycled scrap. For the waste disposal system, with high residual value. All materials are renewable materials, in line with national requirements for building projects energy conservation, environmental protection, low-carbon, emission reduction, in line with the sustainable development of industrial policies.

Construction is more convenient
Once the concrete is poured, the aluminum formwork system is made up of several independent systems, such as wall formwork, top die and support, etc., once the formwork is assembled completely, the concrete can be poured once.

Professional chemical plant construction
We deepening design and factory test after assembled to the site according to the construction drawings, all possible problems are solved in the factory, and the construction speed and the accuracy is greatly improved.

Excellent quality assurance
We have strict quality management system, from raw materials to finished products shipped to the site. We are serious at every segment. We are more focused on the user’s custom design and technical services, and constantly improve their production and management level, regularly provide consulting services to users.

Perfect technical service
Our aluminum formwork system is designed by people who with rich field experience and know-how carefully based on the accumulation of faith. No matter what the user needs, we can provide the most suitable, the most satisfactory answer. With strong R & D strength, constantly updated, better products, which is why we always maintain the leading position in the field of Aluminum Alloy template system.
**Aluminum System**

<table>
<thead>
<tr>
<th>Flat</th>
<th>Aluminum support frame</th>
<th>Wall end plate cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support the weight of concrete when pouring concrete</td>
<td>connect with support head, Support the weight of concrete when pouring concrete</td>
<td>connect with support head, Support the weight of concrete when pouring concrete</td>
</tr>
</tbody>
</table>

**End beam**
- connect with support head or flat, support flat

**Floor Bottom**
- connect with Wall end plate, beam, Wall plate connection, The formation of doors and windows

**Commodity Specifications**

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Model</th>
<th>Specifications (Standard plate mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX-01</td>
<td>U600</td>
<td>2600, 2500, 1200, 1000, 900, 800;</td>
</tr>
<tr>
<td>ZX-02</td>
<td>U400</td>
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<tr>
<td>ZX-03</td>
<td>U350</td>
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<td>U300</td>
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<td>ZX-05</td>
<td>U250</td>
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<tr>
<td>ZX-06</td>
<td>U200</td>
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<tr>
<td>ZX-07</td>
<td>U150</td>
<td>2600, 2500, 1200, 1000, 900, 800;</td>
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<tr>
<td>ZX-08</td>
<td>U100</td>
<td>2600, 2500, 1200, 1000, 900, 800;</td>
</tr>
<tr>
<td>ZX-09</td>
<td>早拆头</td>
<td>150x200</td>
</tr>
<tr>
<td>ZX-10</td>
<td>龙骨（铝梁）</td>
<td>150x1000</td>
</tr>
</tbody>
</table>
### Aluminum products series

- **middle beam**
  Connection between support head and support head
  In order to form a ceiling, used to support a flat plate.

- **connecting bar**
  Connection with support head, middle beam or end beam

- **Support head**
  Between two middle beams or one middle beam and one end beam, acting on the connection between the beam and the support

- **Floor Bottom**
  Connecting wall panels and panels

- **inner corner of flat plate**
  Connecting wall plate and inner plate

- **Outer corner of flat plate**
  Connecting wall plate and outer plate

### Aluminum formwork system accessories

- **Lifting bracket**
  To install work on scaffolding system platform, first remove the wall panels and flat iron, then various brackets are installed on the concrete surface.

- **Plate bracket**
  For connecting templates and templates

- **Wall bracket**
  Used to support two templates, according to the template spacing can be adjusted

- **Wedge pin and pin**
  Supporting middle beam and supporting head

- **Long pin and wedge pin**
  Prevent buried in concrete, plastic pipe inserted flat iron

- **Flat iron**
  Prevent wall bending, insert the steel bar and the fixed

- **Bracket bolt and nut**
  Device on the surface of concrete, used to support bracket

- **Bolt, nut, washer**
  Used to support bracket
Schematic Diagram

**INSTALLATION SCHEMATIC DIAGRAM FOR ROOF FORM**

1. Install floor internal corner film
2. Install beam mode
3. Detailed installation diagram for beam mode
4. Install roof form

**REMOVE SCHEMATIC DIAGRAM FOR ROOF FORM**

1. Remove spigot and wedge pin
2. Remove beam mode
3. Remove roof form
4. Remove roof C wall
Engineering Case
Engineering Case
Engineering Case
Engineering Case