中泰重工
ZT HEAVY INDUSTRY

Global bridge steel formwork one-stop supply base

Zhongtai Formwork

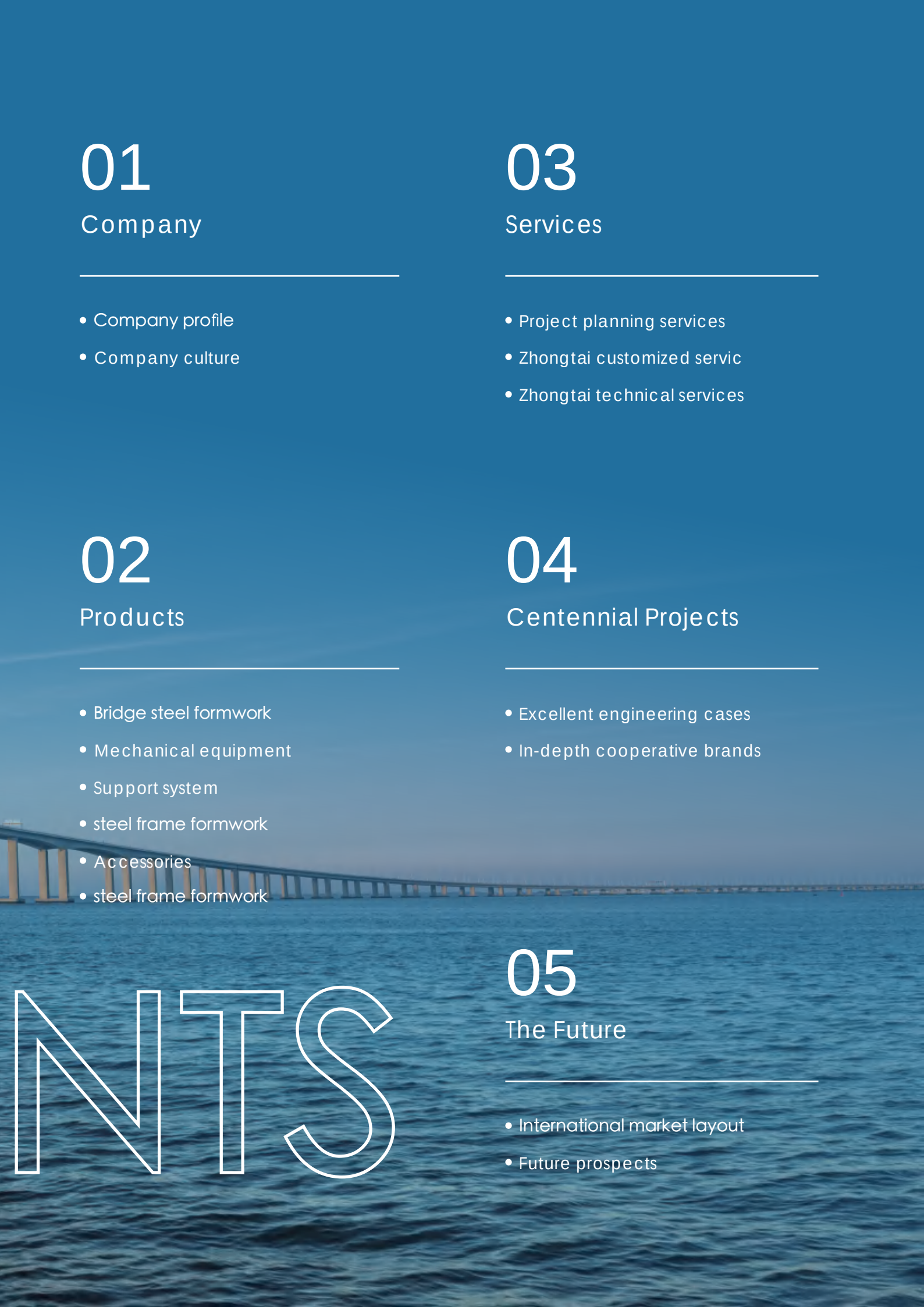
Exquisite Craftsmanship Diamond-level Service

SHARING CHINA'S BRIDGE CONSTRUCTION

QUALITY TO THE WORLD



CONTE



01
Company

- Company profile
- Company culture

03
Services

- Project planning services
- Zhongtai customized servic
- Zhongtai technical services

02
Products

- Bridge steel formwork
- Mechanical equipment
- Support system
- steel frame formwork
- Accessories
- steel frame formwork

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- Excellent engineering cases
- In-depth cooperative brands

NTS

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The Future

- International market layout
- Future prospects



ZHONGTAI HEAVY

COMPANY PROFILE

Zhongtai Heavy Industries' corporate mission is to provide concrete pouring formwork and support system solutions that help our customers improve the efficiency and safety of building construction. Customers who know us know that we are committed to providing world-class products and services. Now you can tell us what you need and our company is ready to help you plan the best solution.

2009

70000m²

Automated production base



INDUSTRIES

Zhongtai's core value is " Customer Focus" .Our customers are at the center of everything we do, a nd they come from all types of engineering and construction industries, such as civil engineering constr uc-tion, complex industrial facilities, and more. We always believe in our team of experienced and inno va-tive thinking people to deliver exceptional products and services to our customers.

30+

More than 30 species
Template type

30+

More than 30 people
Top designer team

PRODUCTION SCENE

Driven by the revolutionary trend of Industry 4.0, the intelligent upgrade of Zhongtai Heavy Industry's production workshop has increased to about 40 %, which can realize professional and intelligent production of templat es, ensure product quality, while reducing product production costs, and the price-performance ratio is even better. With the support of product spe cial-

ization and automated production capabilities, Zhongtai Heavy Industry h as achieved large-scale production of templates. Its 4 production worksho ps provide customers with one-stop procurement and supply services.









COMPANY CULTURE

These are the core values of Zhongtai Heavy Industry and an indispensable part of our compa ny culture. At Zhongtai Heavy Industry, our core values are who we are and the core of our b eliefs. By adhering to these values, our behavior will be shaped as we seek ways that align with its meaning. Our core values not only represent the way we expect to interact with cus tomers and conduct business, but also describe the very high standards of professional behav ior that all members of the Zhongtai Heavy Industry team must strive to achieve.

Core values

Zhongtai

Quality

We are committed to providing the highest level of quality and performance, not only in our products, but also in everything we do. We are proud to provide excellent concrete solutions and have done things well the first time.

Innovation

We creatively think and work, proposing transformative ideas, solutions, and products. We are proud to develop and implement excellent solutions for our clients and the concrete construction industry.

Integrity

We cooperate with customers, employees, and shareholders with honesty, trust, mutual respect, and the highest standards of ethical and professional behavior. We treat our customers with the same level of care and respect as we hope to receive in return.

High quality service

We provide products and services that meet or exceed customer expectations. We focus on customer challenges and always fulfill our promises on time and in full.

Zhongtai PRODUCTS »

Trusted Manufacturer of Construction

Steel Formwork and Scaffolding



Product classification

Combined steel formwork	Flat steel formwork
	Box culvert formwork
	Comprehensive pipe gallery
Wall formwork	
Piling Platform formwork	
Column formwork	Circular column formwork
	Square column formwork
	Bridge hoop
Pier formwork	
Beam formwork	Tie beam formwork
	Cover beam formwork
Prefabricated girder formwork	Box girder formwork
	T-beam formwork
	Plate and beam formwork
Anticollision Wall Formwork	
Machinery	Cantilever Form Traveler
	Tunnel Lining Trolley
Scaffolding&Shoring	Ring lock scaffolding
	Hook pedal
	SQUARE POST BUCKLE
	Beam Clamp
Steel frame formwork	

FORMWORK

Combined steel formwork

The combination of combined steel formwork and connecting angle formwork can form the Box culvert formwork, Comprehensive pipe gallery formwork and Ditch formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel plate

Dimensions: 1015, 2015, 3015, 6015, 7015, 9015, 10015, 12015

Product advantages: smooth and flat, tight seams, reusable >60 times

Applicable scenarios: bridges, housing construction, pipe corridors, holes, tunnels, caps, ditches, wave prevention, etc.

Flat steel formwork



Box culvert formwork



Comprehensive pipe gallery



Wall formwork

Product material: Q235b plain carbon steel, 5+1 composite plate, 201 stainless steel plate

Dimensions and specifications: subway side wall formwork, retaining wall formwork, buttress retaining wall formwork, cantilever retaining wall formwork, etc.

Product advantages: flexible and practical, sturdy and durable, high recycling rate

Applicable scenarios: wall construction of highways, railways, wine caves, tunnels, water conservancy, waterways, ports and other construction projects






Piling Platform Steel Formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel plate

Dimensions: high piling platform, low piling platform

Product advantages: stable and reliable, easy to disassemble and assemble

Applicable scenarios: housing construction, ports, docks, ocean engineering and bridge engineering






Column formwork

Product material: Q235b plain carbon steel/201 stainless steel/5+1 composite plate

Dimensions: Diameter: 0.6m-2m;

Height: 1m-3m Product advantages: light weight, tight seams, easy disassembly and assembly

Applicable scenarios: bridges, highways, subways, water conservancy, shafts and other projects

Circular column formwork






Square column formwork






bridge hoop






Pier formwork

Product material: Q235b plain carbon steel/304 or 201 stainless steel/5+1 composite plate

Dimensions: square with chamfers, square with chamfers, Y-shaped, inverted conical column cap, dumbbell type Product advantages: Reasonable stress, smooth joints and no misalignment

Applicable scenarios: bridges, highways, subways, water conservancy and other projects






Beam formwork

Tie beam formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Dimensions: middle beam, ground beam

Product advantages: smooth surface, no deformation, beautiful appearance

Applicable scenarios: cast-in-place bridge engineering construction



Cover beam formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Dimensions: prestressed concrete cover beams, ordinary reinforced concrete cover beams

Product advantages: exquisite design, smooth welds

Applicable scenarios: cast-in-place bridge pier engineering construction



Prefabricated girder formwork

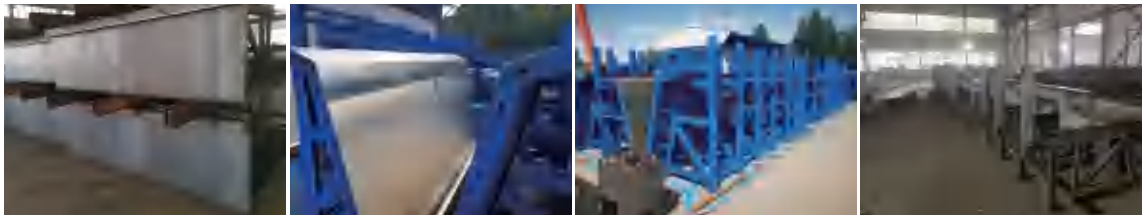
Box girder formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Size specifications: 20 meters, 25 meters, 30 meters, 35 meters, 40 meters; customized according to drawings

Product advantages: strong bearing capacity, good stability, not easy to deform

Applicable scenarios: cast-in-place bridge engineering construction



T-beam formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Size specifications: 25 meters, 30 meters, 35 meters: customized according to drawings

Product advantages: Sufficient bearing capacity, stiffness and stability

Applicable scenarios: cast-in-place bridge engineering construction






Plate and beam formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Size specifications: 8 meters, 10 meters, 13 meters, 15 meters, 18 meters; customized according to drawings

Product advantages: reasonable force, strong load-bearing capacity, compact overall

Applicable scenarios: cast-in-place bridge pier engineering construction





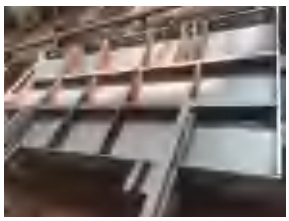

Anticollision Wall Formwork

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel

Dimensions: SA type anticollision wall formwork, SS type anticollision wall formwork, customized according to drawings

Product advantages: good integrity and high flatness

Applicable scenarios: Generally used in highway construction projects



MACHINERY

Cantilever Form Traveler

Product material: Q235b plain carbon steel/5+1 composite plate/201 stainless steel plate

Dimensions and specifications: diamond cantilever form traveler (32, 40 rods), triangular cantilever form traveler, truss cantilever form traveler, guy rope cantilever form traveler

Product advantages: light weight, good stability, high safety factor

Applicable scenarios: Suspended beam construction in highways, railways, water conservancy and other projects



Tunnel Lining Trolley

Product material: Q235b plain carbon steel

Dimensions: simple lining trolley, fully hydraulic lining trolley and grid-type lining trolley

Product advantages: sturdy and durable, good load-bearing capacity, light to use

Applicable scenarios: used in tunnel engineering construction



SCAFFOLDING SYSTEM

Disc-Buckle Scaffolding



Standard

model number	specification (mm)	material
B-LG-200	Φ48*3.25*200	Q355B
B-LG-350	Φ48*3.25*350	Q355B
B-LG-500	Φ48*3.25*500	Q355B
B-LG-1000	Φ48*3.25*1000	Q355B
B-LG-1500	Φ48*3.25*1500	Q355B
B-LG-2000	Φ48*3.25*2000	Q355B
B-LG-2500	Φ48*3.25*2500	Q355B
B-LG-3000	Φ48*3.25*3000	Q355B



Ledger

model number	specification (mm)	material
B-SG-300	Φ48*2.75*250	Q235
B-SG-600	Φ48*2.75*550	Q235
B-SG-900	Φ48*2.75*850	Q235
B-SG-1200	Φ48*2.75*1150	Q235
B-SG-1500	Φ48*2.75*1450	Q235
B-SG-1800	Φ48*2.75*1750	Q235



U head jack and Base jack

name	model number	specification	material
U head jack	B-ST-600	Φ38*600	20#steel
Base jack	B-ST-500	Φ38*500	20#steel



Diagonal bracing

model number	specification (mm)	material
B-XG-600*1500	Φ42*2.75	Q195
B-XG-900*1500	Φ42*2.75	Q195
B-XG-1200*1500	Φ42*2.75	Q195
B-XG-1500*1500	Φ42*2.75	Q195
B-XG-1800*1500	Φ42*2.75	Q195
B-XG-1800*2000	Φ42*2.75	Q195
B-XG-2100*2000	Φ42*2.75	Q195

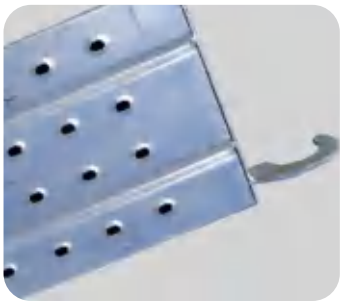
Base

48 series buckle	Material	Specification	Spare count	Theoretical unit weight
Galvanized plate plinth	Q355B	0.2 meters (with 7 cm sleeve)	805	1.77
Galvanized plate plinth	Q355B	0.3 meters (with 16 cm sleeve)	644	2.77
Galvanized plate plinth	Q355B	0.35 meters (without sleeve)	500	1.86



Hook pedal

STEEL PLANK

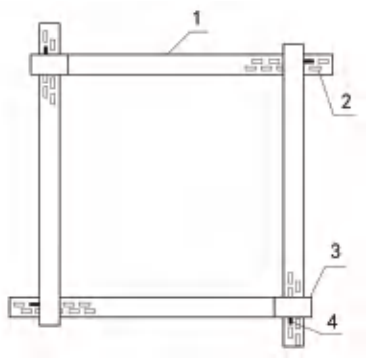


Welded steel plank			
Product name	**Specifications** (width-height-thickness)mm	Length(meter)	Single block weight/kg
Welded steel plank	240*45*1.5	0.9 meters	5.83
Welded steel plank	240*45*1.5	1.2 meters	7.05
Welded steel plank	240*45*1.5	1.5 meters	8.35
Welded steel plank	240*45*1.5	1.8 meters	9.82
Riveted steel plank			
Product name	**Specifications** (width-height-thickness)mm	Length(meter)	Single block weight/kg
Riveted steel plank	240*45*1.5	1.2 meters	6.26
Riveted steel plank	240*45*1.5	1.5 meters	7.75
Riveted steel plank	240*45*1.5	1.8 meters	9.03

Product advantages: multi-functionality, reliable quality, material saving, hot-dip galvanizing process, large bearing capacity, fast assembly

Scope of application: bridge engineering, construction engineering, rail transit, water conservancy and hydropower engineering, shipbuilding engineering, large venue construction

Square Post Buckle



Complete product structure diagram

1-border	3-U-shaped card slot
2-Through hole	4-Fixed pin

Product use

New fasteners that are professionally used to reinforce square and rectangular columns in building construction. They are suitable for columns in square column formwork, ordinary formwork, aluminum formwork, etc. (Including wooden squares, square steel, steel pipes) Rapid reinforcement after formwork installation.



Material is stronger (The square column reinforcements are customized using reinforced I-shaped steel (Q500), which is 3-4 times stronger than ordinary steel pipes)

- No need to use wall screws Currently
- Wide range of sizes
- Easy and quick installation
- Fast construction speed

Beam Clamp

Product Introduction

The beam and column reinforcements are made of Q500 high-strength and high-quality steel with a galvanized surface for beams and columns. It is a new material used for beam and column formwork reinforcement.



Overview of beam fixture parameters

serial number	model	unit	Remark
1	200-----400/500(height)	set	Applicable beam width 200--400, beam height below 800
2	400-----600/500(height)	set	Applicable beam width 400--600, beam height below 800

Steel frame formwork



General specifications for formwork

length / width	900	1200	1500	1800
200	8.7kg	11.1kg	12.8kg	15.5kg
250	9.8kg	12.0kg	14.6kg	16.5kg
300	10.1kg	12.8kg	16.0kg	17.4kg
350	11.0kg	13.7kg	17.0kg	19.2kg
400	11.9kg	14.6kg	17.8kg	21.0kg
450	12.4kg	15.5kg	18.7kg	22.3kg
500	13.3kg	16.9kg	20.1kg	24.0kg
600	14.6kg	19.0kg	23.0kg	26.0kg



General specifications for inner corner formwork

length	width	weight
100	100	9.6kg
100	150	12.07kg
150	150	15.82kg
100	200	12.66kg

Plate design

All panels are made of high-strength steel frames, and the planks are made of plywood of different materials. Steel frame mechanical properties

· Size: 63.5mm(W) X 8mm(T)

· Strength: 65° 78Kg/mm

· Yield point:50Kg/mmMin.

· Yield strength (based on L1800): 836Kg

· Weight: 2.6Kg/m



Advantage

· Low density, high strength

· Waterproof, moisture-proof, no hygroscopic expansion

· Not afraid of falling, not easy to be damaged or deformed at the corners

· No release agent required, easy to release

· Can be nailed, drilled, sawed and screwed like wood

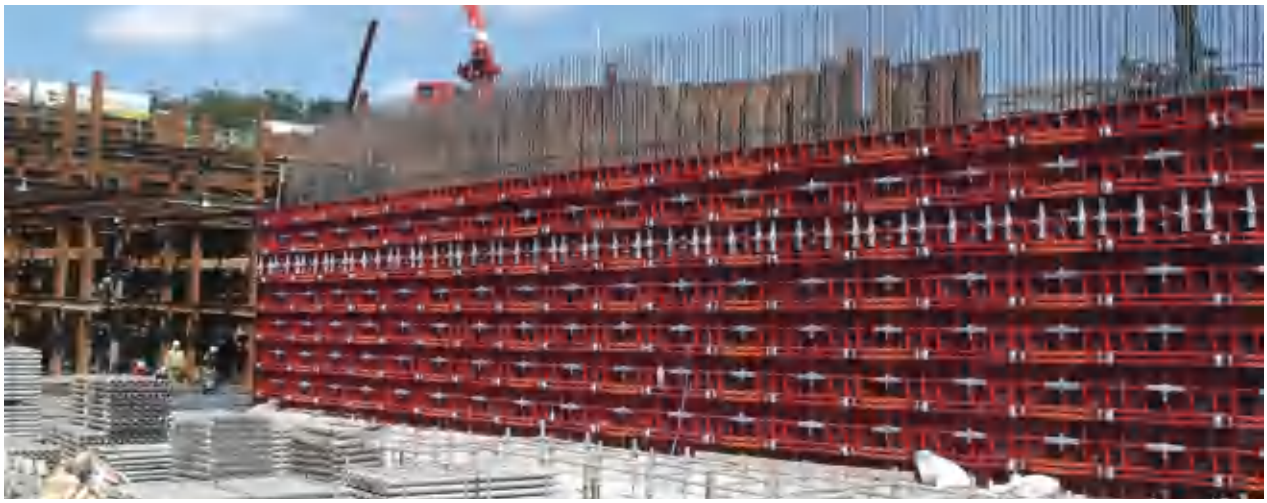
· Will not mold or rot

· Easy to clean and patch

· High turnover times (up to more than 200 times)

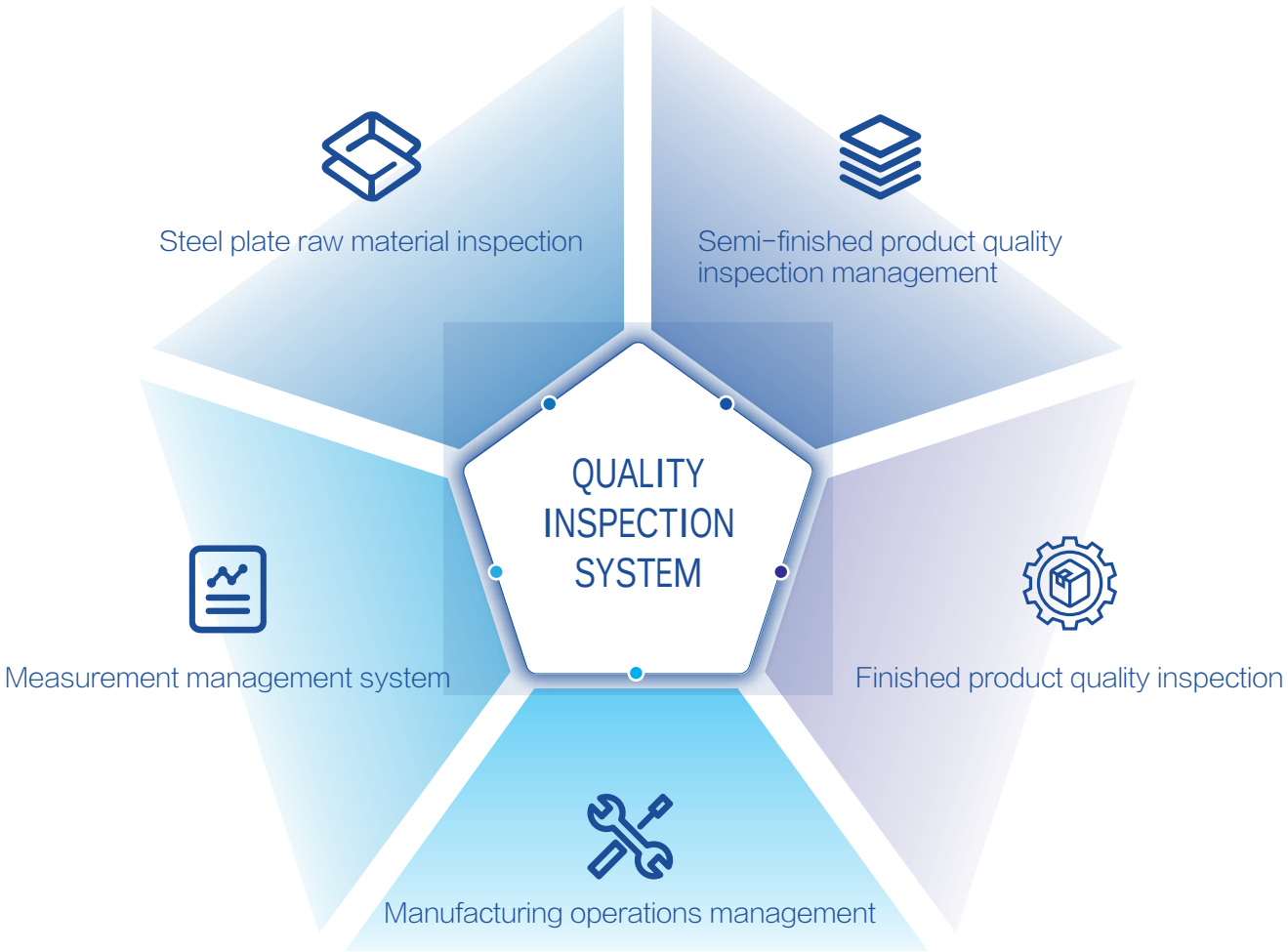
· Environmentally friendly and recyclable Low cost per use







ZHONGTAI CRAFTSMANSHIP





Production reality













SERVICE CHAPTER »

Project planning services

Product configuration

The Zhongtai designer team configures products according to customer engineering needs

Product standardization

We provide products that meet international standards and are highly versatile

Supply scale

We have sufficient product inventory to quickly meet customer needs

Zhongtai customized services

Zhongtail has a standardized customization management system, which is fully capable of providing customers with various customized services for building formwork and support systems, and providing the best solutions.

Professional customization

Zhongtai has a large team of template designers that can quickly produce drawings and provide full product chain design.

Quality management

Zhongtai formwork adopts national standard steel, which is of high quality and low price, and can be customized quickly to save customer costs.

Automated production

Zhongtai Formwork has multiple automat-ed production workshops to ensure rapid production and formwork quality.

Zhongtai technical services

Thanks to the development of Internet technology, we can provide customers with technical services online through network channels to improve the construction progress and safety of the project, which is one of the important contents of our after-sales service work.

Our technical service team is composed of our engineers who have extensive knowledge of steel formwork and support system applications, and can solve any product usage and maintenance problems, even difficult and large-scale construction projects.

Our technical support includes the following four aspects:

- Provide all technical issues related to the installation and removal of templates and support systems
- Provide guidance on cleaning the concrete after template removal
- Provide daily maintenance technical knowledge for templates
- Provide online technical training to enable customer construc-tion personnel to quickly familiarize themselves with the assembly and use of template products





CENTENNIAL PROJECT »

More than 2,000 construction projects

Project cases

01 Bridges & Tunnels



Ch'ao-pai River Bridge



Siyang Bridge

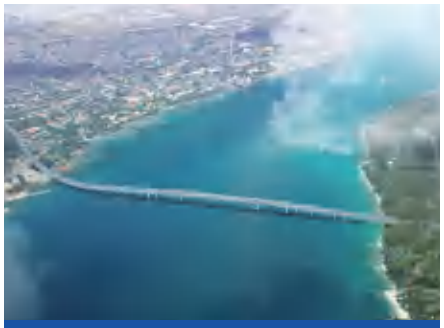


Jiaozhou Bay Bridge



Dongyu River Bridge

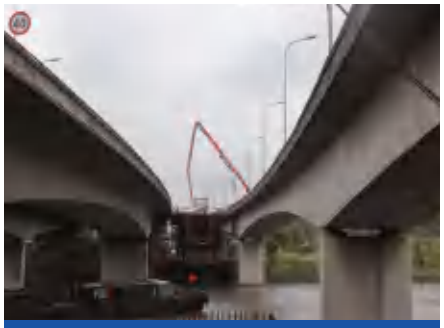
02 Road & Railway Construction



Philippines Davao Bypass Road Project



Reconstruction and Expansion of Beijing-Taiwan



Expressway Reconstruction of National Highway 329



Guinea Dapilon-Santou Railway



Shijiazhuang-Hengshui-Cangzhou-Huanghua Port Intercity Railway



Tianjin-Weifang High speed Railway

03 Tunnel & Subway Engineering



Qingdao Metro



Jinan Metro



Ningbo Metro



Aixi Lake Tunnel



Dalingkou Tunnel

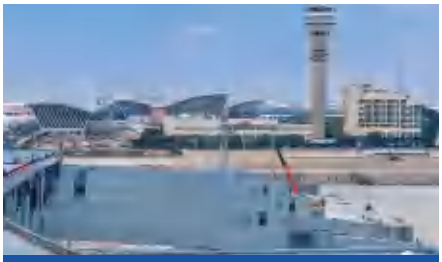
04 air port



Zhejiang Loong Airlines Phase II Hangar



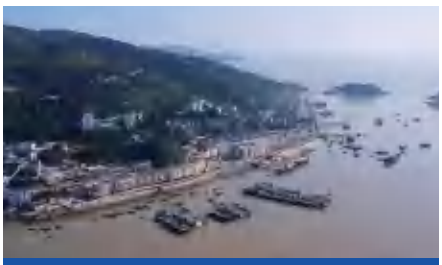
Jinan Airport Hub Shanghai



Pudong Airport



Nanjing Wharf



Cangnan County Xiaguan First-Class Fishing Port Phase III Project



Yangjiang Port Hailing Port Area

05 Dams and water treatment



Cambocia
Stung Meanchey Tikal Hydropower Station



Xiaoqing River resumed navigation



Chuzhou Reservoir



South-to-North Water Diversion



Dezhou Sluice



Liaocheng Guokou Gate

06 Energy and Industry



Binzhou Wind Power Project



Inner Mongolia Wind Power

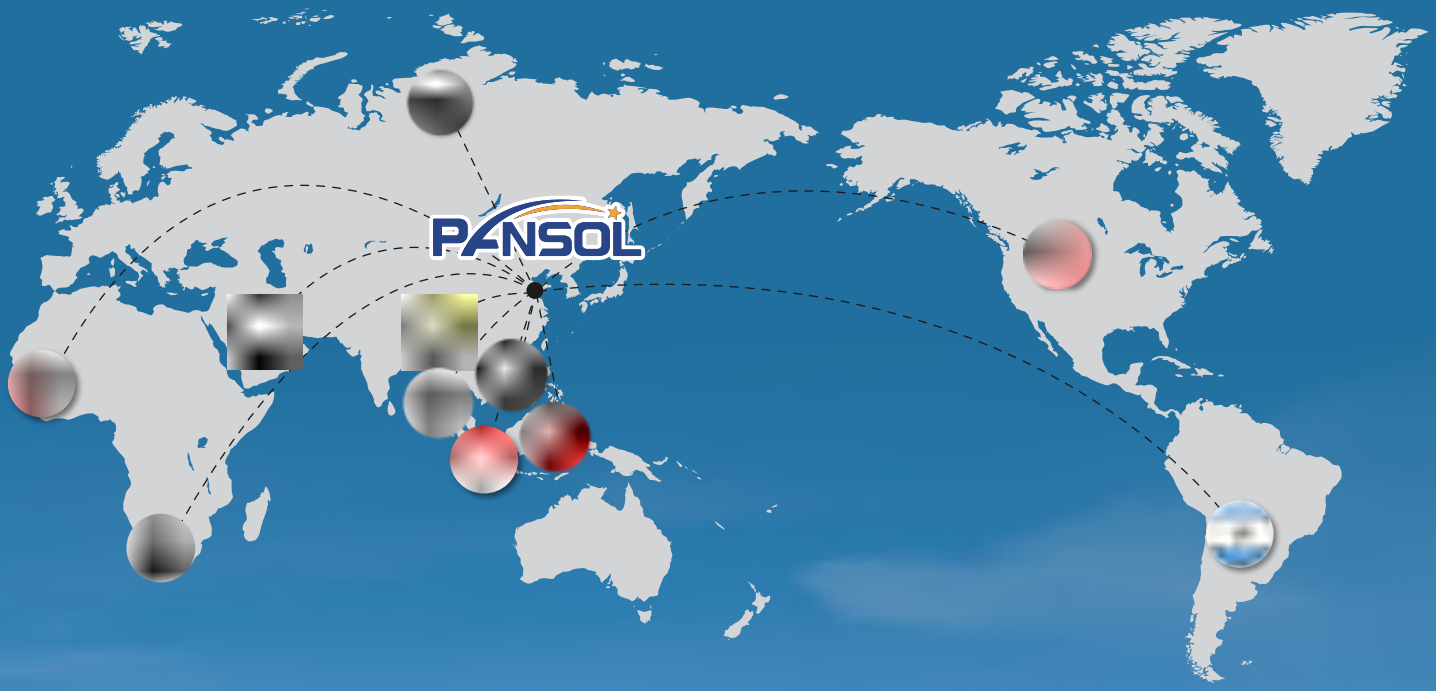


Changsha Nuclear Industry

Cooperative brand



DREAM THE FUTURE CHAPTER



SHARING CHINA'S BRIDGE CONSTRUCTION QUALITY TO THE WORLD

PROVIDE CUSTOMERS WITH THE BEST SOLUTIONS FOR

BUILDING FORMWORK AND SCAFFOLDING SYSTEMS



Production base: No. 6 Beiyuan Road, Pingyuan County, Dezhou City, Shandong Province

Hangzhou Operation Center: 1802, Building A, Qiutao Development Building, Shangcheng District, Hangzhou

Official website: http://www.zthnzg.com/

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