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**CMP** PLANETARY MIXER

High efficiency and high quality, low maintenance



**CS** TWIN-SHAFT MIXER



Production may change due to technical progress subject may be modified without notice



## Company profile

Qingdao CO-NELE Machinery Co.,Ltd is one of the national science & technology innovating enterprises located in Qingdao, a beautiful coastal city. The company is the most professional one and ranks in the top of the mixing equipments manufacturers with its products applied widely. Basing on the advanced European technology, we keep close eye to the state of the art and we know well about competitors and ourselves. We pay great attention to product research and development, and till now have gained over 40 national patents. CO-NELE follows strictly to the ISO9001 Quality Management System, and also is the first company who got the CE certificate in the same industry in China. CO-NELE provides high quality products throughout the country and also exports to more than 50 countries and regions from Europe, America, Asia, Africa and Australasia.

1. The first company who got CE certificate in the same industry in China.
2. Shandong famous trademark.
3. A fullest model range of planetary mixer manufacturer.
4. With the First entirely oil-immersed gear box equipped in planetary type mixer in China.
5. A professional manufacturer with the most widely product application domain in China.
6. The largest production base planetary mixer in China.
7. A promoter for environmental-friendly and low-carbon mixing equipment.
8. The largest exporter of planetary mixer in China.
9. China non-standard mixing equipment design research and manufacture center.
10. The largest and the smallest planetary mixer are both born in CO-NELE.
11. China's most independent intellectual property rights owner of the planetary mixer.
12. The strongest design and manufacturing capability planetary mixer manufacturer.



## Product introduction

Compact construction. Steady driving. Original mode. Excellence performance. Long operating life. With low investment and operational costs. Easy to install and maintain. No leakage problem. Leading products.

leading products



## Enterprise qualification/Patent certificates

CE ISO9000

The first CE certification in the same industry in China.

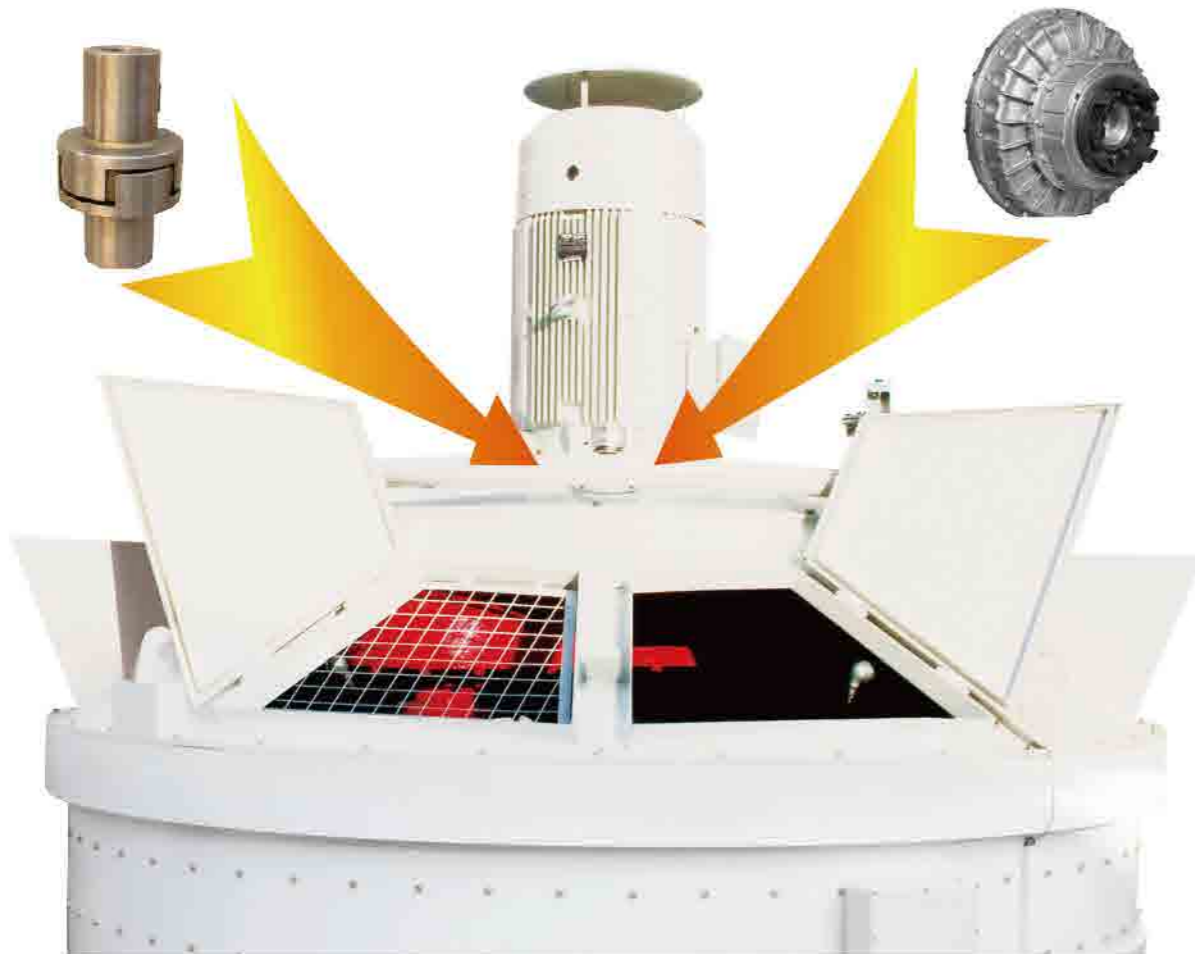




# Planetary mixer configuration

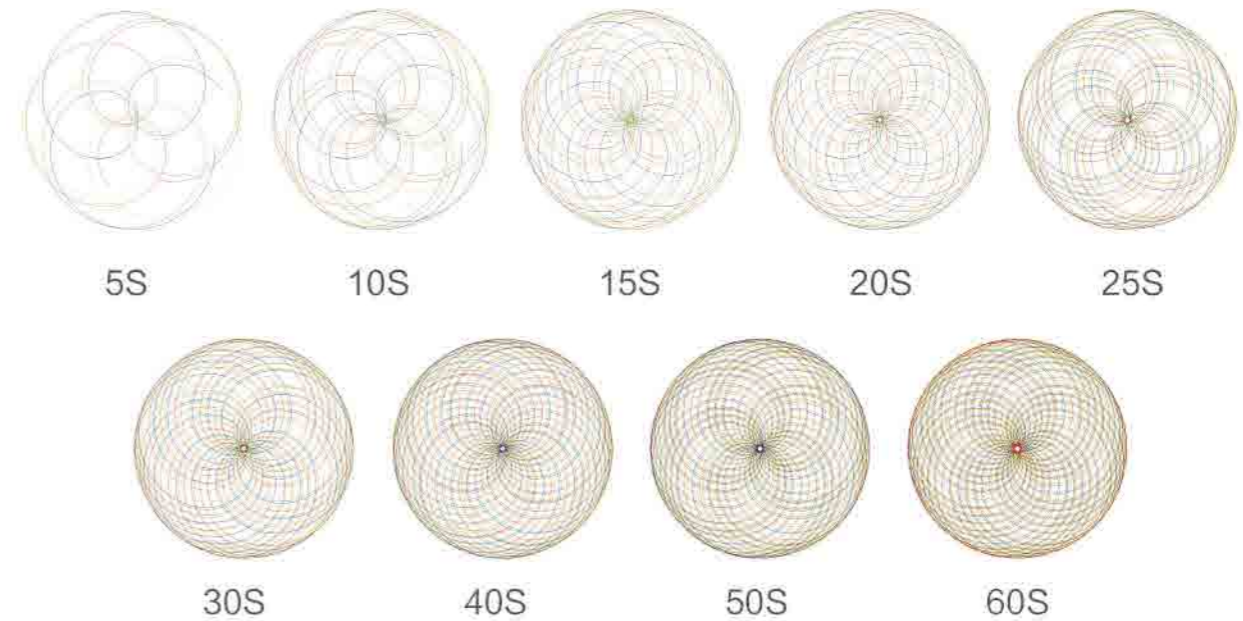
## 1 Gearing system

Driving system consists of motor and hardened surface gear which is specialized designed by CO-NELE(patented). Flexible coupling and hydraulic coupling(option)connects motor and gearbox. The gearbox is designed by CO-NELE (completely independent intellectual property rights owned) absorbing European advanced technology. The improved model has lower noise, longer torque and more durable. Even in strict production conditions, the gearbox can distribute power effectively and evenly to each mix end device, ensuring normal operation, high stability and low maintenance.



## 2 Motion track

The revolution and rotation speed of the blades have been extensively studied and tested to give the mixer a high output without causing the segregation of materials with different grain size and weight. The movement of the material inside the trough is smooth and continuous. As shown in the picture, the blades track covers the whole bottom of the trough after a cycle.



## 3 Observing port

There is an observing port on the maintaining door. You can observe the mixing situation without cutting off power.



## 4 Mixing device

Compulsory mixing is realized by composite moves of extruding and overturning driven by rotating planets and blades. Mixing blades are designed in parallelogram structure(patented), which can be turned 180° for reuse to increase service life. Specialized discharge scraper has been designed according to discharge speed in order to increase productivity.



## 5 Discharging device

According to the different demands of customers, the discharging door can be opened by hydraulic, pneumatic or by hands. The number of the discharging door is three at most. And there is special sealing device on the discharging door to ensure the sealing reliable.



## 6 The hydraulic power unit

A special designed hydraulic power unit is used to provide power for more than one discharging gates. On emergency, these discharging gates can be opened by hand.



## 7 Maintaining door and security device

In order to improve the security of using the product, reliable high-sensitive security switches are used in the maintaining door to make the maintaining work safe and convenient.





## 8 Water device

Overhead structure is used to water (patent products). It solves the problem of residual additive and water in pipe. Avoid the customer loss in formula changing. The nozzle which adopts spiral solid cone nozzle, has a fine uniformization effect, large covering area and make the material more uniform mixing.



## 9 Experimental center

We set a testing center for all kinds of material to meet customer's different materials mixing.



## Technical data

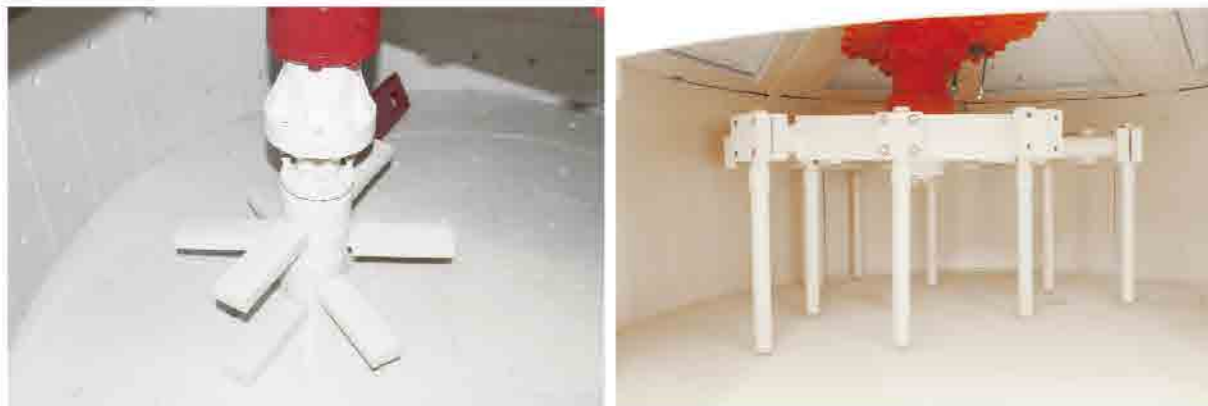
Item \ Type	CMP50	CMP100	CMP150	CMP250	CMP330	CMP500	CMP750	CMP1000
Out capacity(L)	50	100	150	250	330	500	750	1000
Input capacity(L)	75	150	225	375	500	750	1125	1500
Out mass(Kg)	120	240	360	600	800	1200	1800	2400
Mixing power(Kw)	4.5	5.5	7.5	11	15	18.5	30	37
Discharging power(Kw)	Pneumatic unloading (or hydraulic unloading)							3
Planet/main planet(nr)	1/2	1/2	1/2	1/2	1/2	1/2	1/3	2/4
Paddle(nr)	1	1	1	1	1	1	1	1
Discharging paddle(nr)	1	1	1	1	1	1	1	1
Weight(Kg)	700	1100	1300	1500	2000	2400	3900	6200
Lifting power(Kw)	-	2.2	2.2	3	4	4	7.5	11
Dimension(L×W×H,mm)	950×790×1200	1670×1460×1450	1670×1460×1620	1860×1650×1780	1870×1870×1855	2230×2080×1880	2580×2340×2195	2890×2602×2220

Item \ Type	CMP1250	CMP1500	CMP2000	CMP2500	CMP3000	CMP4000	CMP4500
Out capacity(L)	1250	1500	2000	2500	3000	4000	4500
Input capacity(L)	1875	2250	3000	3750	4500	6000	6750
Out mass(Kg)	3000	3600	4800	6000	7200	9600	10800
Mixing power(Kw)	45	55	75	90	110	160	200
Discharging power(Kw)	3	3	4	4	4	4	4
Planet/main planet(nr)	2/4	2/4	3/6	3/6	3/9	3/9	3/9
Paddle(nr)	1	1	1	1	1	1	1
Discharging paddle(nr)	1	1	2	2	2	2	2
Weight(Kg)	6700	7700	9500	11000	12000	16500	17500
Lifting power(Kw)	15	15	22	30	37	-	-
Dimension(L×W×H,mm)	3060×2760×2305	3230×2902×2470	3625×3230×2630	3900×3550×2695	3900×3550×2975	4560×4150×3105	4560×4150×3305

## Planetary fly-cutter mixer configuration

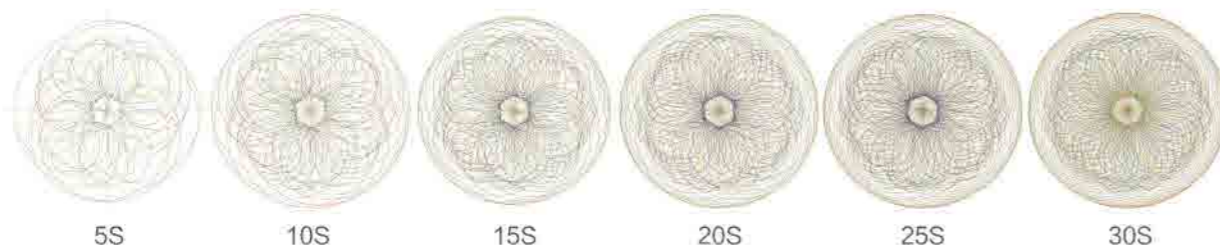
### 1 Mixing device

Mixing blades are designed in parallelogram structure(planted), which can be turned 180° for reuse to increase service life. Specialized discharge scraper has been designed according to discharge speed in order to increase productivity.



### 2 Motion track

The revolution and rotation speed of the blades have been extensively studied and tested to give the mixer a high output without causing the segregation of materials with different grain size and weight. The movement of the material inside the trough is smooth and continuous. As shown in the picture, the blades track covers the whole bottom of the trough after a cycle.



### Technical data

Item \ Type	CMPS50	CMPS100	CMPS150	CMPS250	CMPS330	CMPS500	CMPS750	CMPS1000
Out capacity(L)	50	100	150	250	330	500	750	1000
Out mass(Kg)	60	120	180	300	395	600	900	1200
Mixing power(Kw)	5.5	7.5	11	15	18.5	22	37	45
Discharging power(Kw)	Pneumatic unloading( or hydraulic unloading)							3
Planet/main planet(nr)	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Fly-cutter planet(nr)	1	1	1	1	1	1	1	1
Paddle(nr)	1	1	1	1	1	1	1	1
Discharging paddle(nr)	1	1	1	1	1	1	1	1
Weight(Kg)	750	1400	1600	1800	2000	2500	4700	6200
Lifting power(Kw)	-	2.2	2.2	3	4	4	7.5	11
Dimension(L×W×H,mm)	950×786×1215	1664×1453×1487	1664×1453×1712	1856×1648×1817	1862×1850×1895	2220×2071×1935	2581×2336×2245	2891×2602×2237

Item \ Type	CMPS1250	CMPS1500	CMPS2000	CMPS2500	CMPS3000	CMPS4000	CMPS4500
Out capacity(L)	1250	1500	2000	2500	3000	4000	4500
Out mass(Kg)	1500	1800	2400	3000	3600	4800	5400
Mixing power(Kw)	55	75	90	110	132	200	250
Discharging power(Kw)	3	3	4	4	4	4	4
Planet/main planet(nr)	2/1	2/1	3/2	3/2	3/2	3/2	3/2
Fly-cutter planet(nr)	1	1	1	1	1	1	1
Paddle(nr)	1	1	1	1	1	1	1
Discharging paddle(nr)	1	1	2	2	2	2	2
Weight(Kg)	7000	8000	9000	11500	12000	17500	19000
Lifting power(Kw)	15	15	22	30	37	-	-
Dimension(L×W×H,mm)	3058×2756×2395	3223×2902×2470	3625×3230×2695	3893×3550×2875	3893×3550×3085	4594×4150×3249	4594×4150×3634



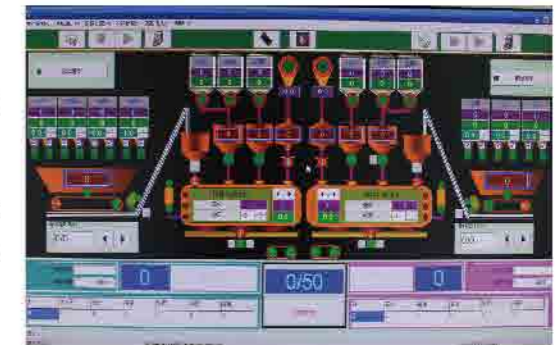
## Control system

We provide two modes of control system. The first mode consists of industrial computer, weighers, control cabinet and high voltage cabinet. The second mode is made up of PLC, touch screen, weighers, and control cabinet. Both modes adopts man-machine interface, menu options, full automatic control of material ratio. Multiply display of different working process makes it easy to monitor and manage production. Easy operation owes to the beautiful outline design and humanized control method. All electrical components are from famous foreign brands to ensure the stability of the system. The control system has a wide application. Each weigher signal collected by independent weighing instrument, transferred by serial communications to specialize computer control board collecting external digital signals and realizes automatic production. High precision, strong anti-jamming capability. Besides, customized services are provided.



## Features at a glance:

- ① Full automatic control industrial computer, runs fast, strong anti-interference capability, efficient performance.
- ② Functions such as automatically material supplement, smart fall correction improve weighing and batching precision greatly and guarantee excellent mixing quality.
- ③ Adopting man-machine conversation, each weighing meter response one weigher, industrial computer and weighing meter reads weighing value synchronously, which make it easy for whole process monitoring.
- ④ Control system software can provide analog display of whole production process, implementing a real time monitoring.
- ⑤ Imported microwave moisture probe can real-time detect concrete moisture and self-correcting. It can guarantee the concrete quality.
- ⑥ The control system integrated with self-locking and interlock function, fault alarm function and fault showing, in order to correct and debugging in time to make sure security and resume production.
- ⑦ Easy control of batches quantity. Input batch quantity and choose auto-operation mode to realize continuous production.
- ⑧ Enhanced recipe editing and memory function. User can easily edit, save and select recipe accordingly.
- ⑨ Enhanced data memory and management function which realize unified management of material, ratio, order, trucks and personnel.
- ⑩ Enhanced report output and print function, which makes it easy to search, print, manage and save data generated during production process.





## Optional items

### 1 Skip hoist and weighing system

Planetary mixer equipped with skip hoist and weighing system. The inlet will open and close automatically when skip hoist lift to the inlet or descend (Patent), preventing dust from coming out of mixer to a result of Environmental. Cement scale and water scale (Include precision measurement) are designed very reasonably. Weighing is more accurate.



### 2 Environment-friendly anti-block feeding device

Specially designed environment-friendly anti-block feeding device(patented). The design of outer slide rail prevents the inlet gate from blocking and leads to better sealing.



### 3 The security device of skip hopper

The security device of skip hopper safeguards against head-clashing when the hopper is climbing up.



### 4 High pressure washing

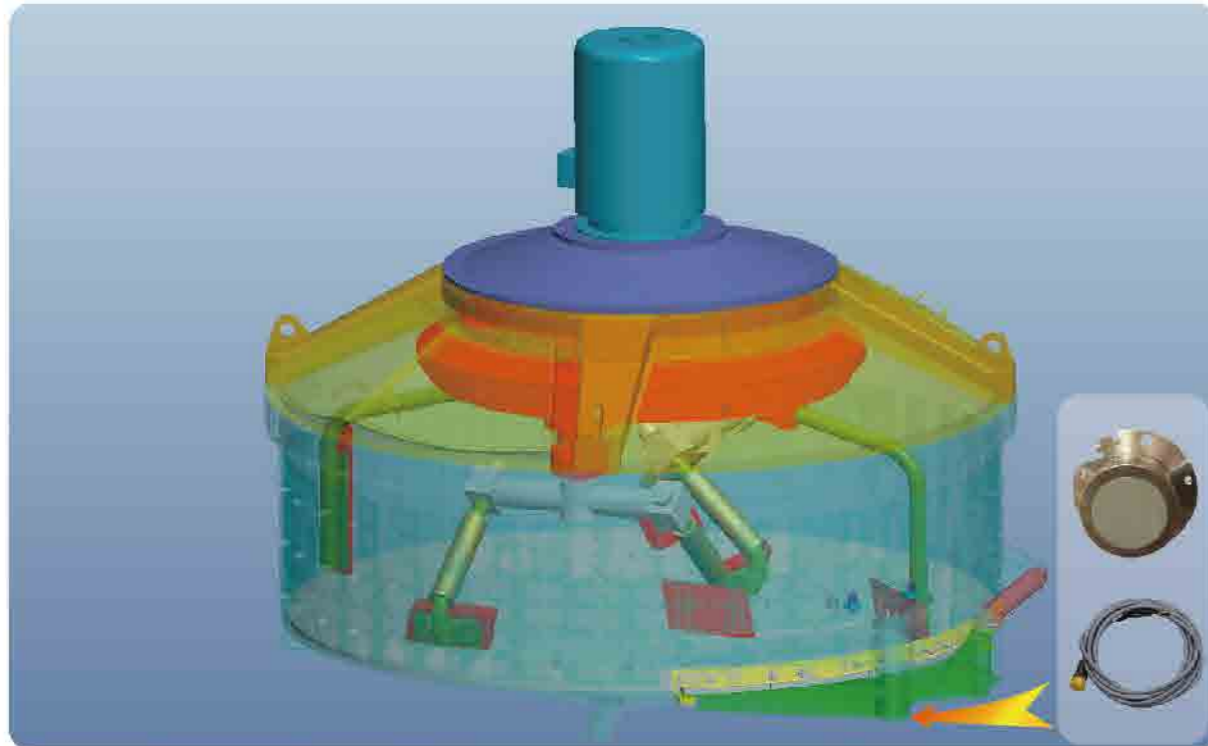
Automatic high-pressure cleaning system, the use of rotating high-pressure nozzle within a few minutes, stirring drum wall, mixing tools, the mixing tube to cover thoroughly cleaned. Greatly improve the cleaning effect, reducing cleaning time, reduce labor intensity and improve the working environment.





## 5 Temperature and moisture sensor

High precision and dynamical measuring supplies accurate value of temperature and moisture, which can achieve better performance of the mixture.



## Services



Service before sales

Give advice to customer.  
Assist customer to choose the right model.  
Fabricate according to customer's requirement.  
Train operators for customer.  
Technology consulting support for special material mixing.  
Supply a suitable technical proposal.



Service in sales

Transportation  
Inspection  
Introduce service system to customers.



Service after sales

Assist customer make the construction scheme.  
Machine install and test.  
Site trouble clearing.  
Technical exchange.  
Free hotline: 400-661-6566



Value added service

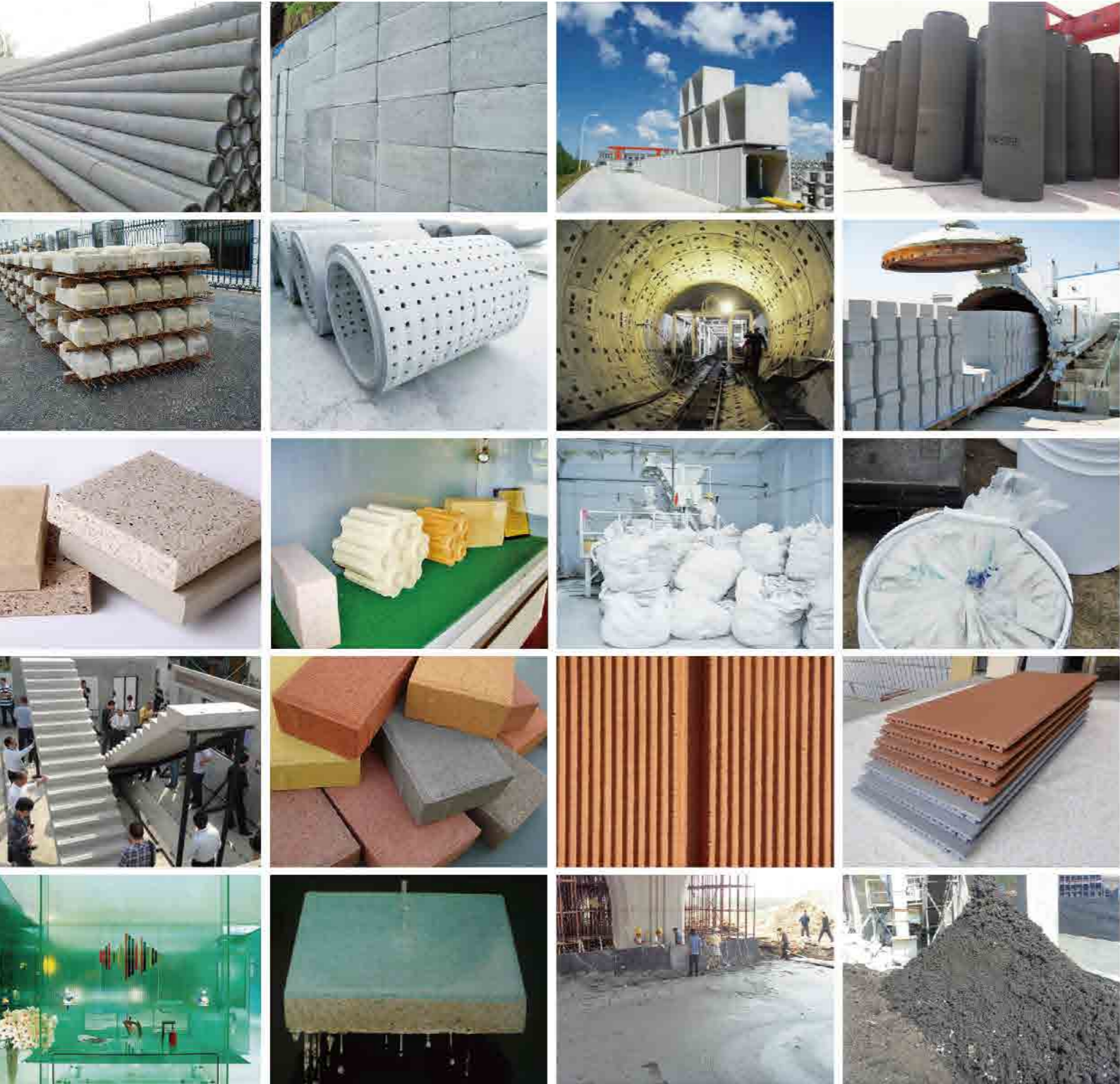
Overall process follow-up service.  
Regular visit inspect.  
Periodic maintenance standard made for customer.

## Service Promise





## Applications



## Projects

