



Guangdong Starshine Drive Co., Ltd.



Between Dynamic and Static, Simple Extraordinary



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01

About Starshine Drive

◆ About Starshine Drive

◆ Company Culture

◆ R&D Ability

◆ Development History

◆ Honor

◆ Collaborative Innovation

◆ Service Assurance

◆ Charity

◆ Quality Control

About Starshine Drive



Guangdong Starshine Drive Co., Ltd. was a state-owned enterprise called Xingguang Mould Factory, founded in 1965. The company's business philosophy is "Quality Create Value" and it focuses on meeting customer needs by providing competitive transmission solutions, continues to create value for customers and strives to become the preferred brand for high-end equipment manufacturing and end-users seeking to "replace imports and upgrade."

About Starshine Drive



Focus on provide competitive transmission solution for clients

Established

1965

Floor space

56000^{m²}

Number of
employees

350⁺

Annual production capacities
500,000 units+

R/F/S/K Series : 7,000 units/month

RV Worm Gearbox Series : 25,000/month

NCJ Series : 15,000/month

JWB/JXJ Series : 5,000/month

customized series : 5000/month

动静之间·唯简不凡

Company Culture



Belief:

self-cultivation to succeed other



Mission:

While pursuing the dual happiness of material and spiritual well-being for all employees, we aim to drive global industrial innovation through industry-leading application technology of reduction gearboxes!



Vision:

Building an organization with a consciousness of enlightenment and becoming a happy enterprise that serves the world!



Value:

Authenticity Altruism
Openness Innovation
Responsibility Collaboration

Development History



1965

Military enterprise
Xingguang Mould
Factory was founded



2002

Officially named as
"Foshan Xingguang Transmission
Machinery Co., LTD."



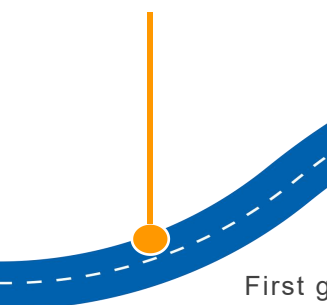
2007

We are one of the drafter
of CR/CF/CK/CS/WN
series gearbox industry
standard documents



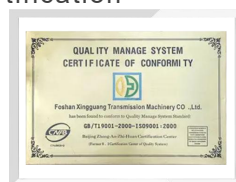
2015

We rename with
"Guangdong
Starshine Drive Co.,
Ltd."



1987

First generation JWB-
X series variator has
been successfully
developed



2004

Passed ISO9001:2000
quality management system
certification

2010

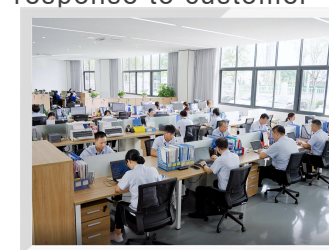
Our trade mark was
ranked as
"Guangdong Famous
brand"



2012

Our NCJ series gearbox has
been listed into the National
Torch Plan Industrialization
Demonstration Project

2021
2nd new factory was
come into use



2022

Set up division
integrating production,
supplyment ,
Sales and Engineering are
integrated to face the
market directly, quickly
response to customer

To put the value of "altruism" into action

While vigorously developing the company's business, we doesn't forget to give back to society. Every year, we visits and comforts lonely elderly people, offering them holiday greetings and care packages of rice, flour, oil and other necessities, spreading love and positive energy.

We believe that business management is not only for income, profit, or economic benefits, but must integrate itself with society, consider social effects , sustainable development.

Honor



◆ Guangdong Engineering Technology Research & Development Center

◆ Industry Leading Enterprise Award

◆ High and new technology Enterprise Award

◆ Municipal enterprise technology center

◆ Guangdong Specialized Refined New Enterprise



R & D Ability



- ◆ We have over 30 national invention and utility model patent certificates.
- ◆ One of the drafter of national standard for variator.
- ◆ NCJ series reducer is listed as the National Torch Program Project.
- ◆ RV series worm gearbox, variator and R-type high-precision hardened gear reducers and other products is listed as provincial high-tech products.



Utility model patent certificate of worm gears



Utility model patent certificate of high voltage switch industry



Utility model patent certificate of ceramic industry



Invention patent certificate of gears heat treatment tooling



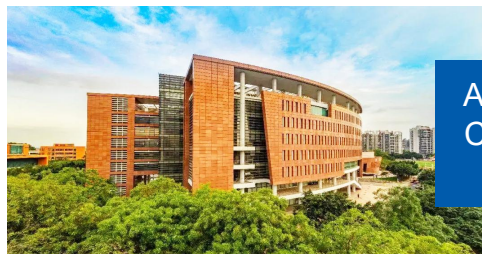
Invention patent certificate of belt gears reducer

Collaborative Innovation



Focusing on future industry demands, Starshine Drive has collaborated with well-known universities and top clients in the industry to develop a series of industry-specific products.

promoting the industry's development towards "efficiency, energy saving, and environmental protection" delivering green power!



Alliance with South China University of Technology



Alliance with top client of textile industry-- Qingdao HONGDA



Alliance with top client of ceramic industry-- KEDA



Alliance with top client of glass industry-- SANJIN



Alliance with top client of woodworking machinery industry-- REIQNMAC

We alliance with South China University developed high quality and wearing worm wheel material --KK Bronze

We alliance with Qingdao HONGDA developed XGP600 carding machine

We alliance with KEDA developed SNFEG3000 dedicated reducer for deep processing edge grinding machine

We alliance with SANJIN developed Z270 determinant bottle clamping machine

We alliance with REIQNMAC developed MC/MZ series four-sides moulder



Quality Assurance



"To do a good job, first thing to sharpen one's tools." We firmly believe that first-class machining equipment can produce first-class equipment components. A good device not only needs to be functional but also durable. In order to achieve these two points to the extreme and ensure product quality to the greatest extent possible, **95% of reducer parts** are manufactured and processed by ourselves.

Semi-finished parts need to undergo strict quality control inspections by the quality management dept.. Only when the yield rate reaches 100% can they be put into storage for use, effectively ensuring the quality of the reducer.

We produce key parts of gearbox by ourselves

Gear testing center



Microcomputer control to complete the measurement cycle of automatic, with fast speed and high efficiency

High efficiency gear hobbing machine



The machine tool adopts imported precision-grade ball screws and high rigidity, high precision linear roller guide rails to ensure transmission accuracy and rigidity

High efficiency gear grinding machine



With high precision, efficiency and flexibility, it enhances the production efficiency of the reducer

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Vertical machining center



Horizontal machining center



Worm automation equipment

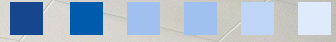


Vertical machining center the tool's movement trajectory is easy to observe, making it easy to debug programs and check measurements

Used for products with complex shapes and high precision requirements to ensure the quality of the components

Implement fully automated clamping and processing of parts from rough blanks to finished products, ensuring stability of the processed products while improving processing efficiency

Quality Assurance



We have the largest and most comprehensive gearbox testing laboratory in the southern China

Starshine Drive adheres to the development strategy of "specialization, intelligence and globalization". Applies technologies such as cloud computing, the Internet of things and artificial intelligence to realize the intelligent manufacturing and intelligent monitoring and operation of a gearbox.

98%

Reduce leakage rate

Average 20 years

Long service life

Only 40dB

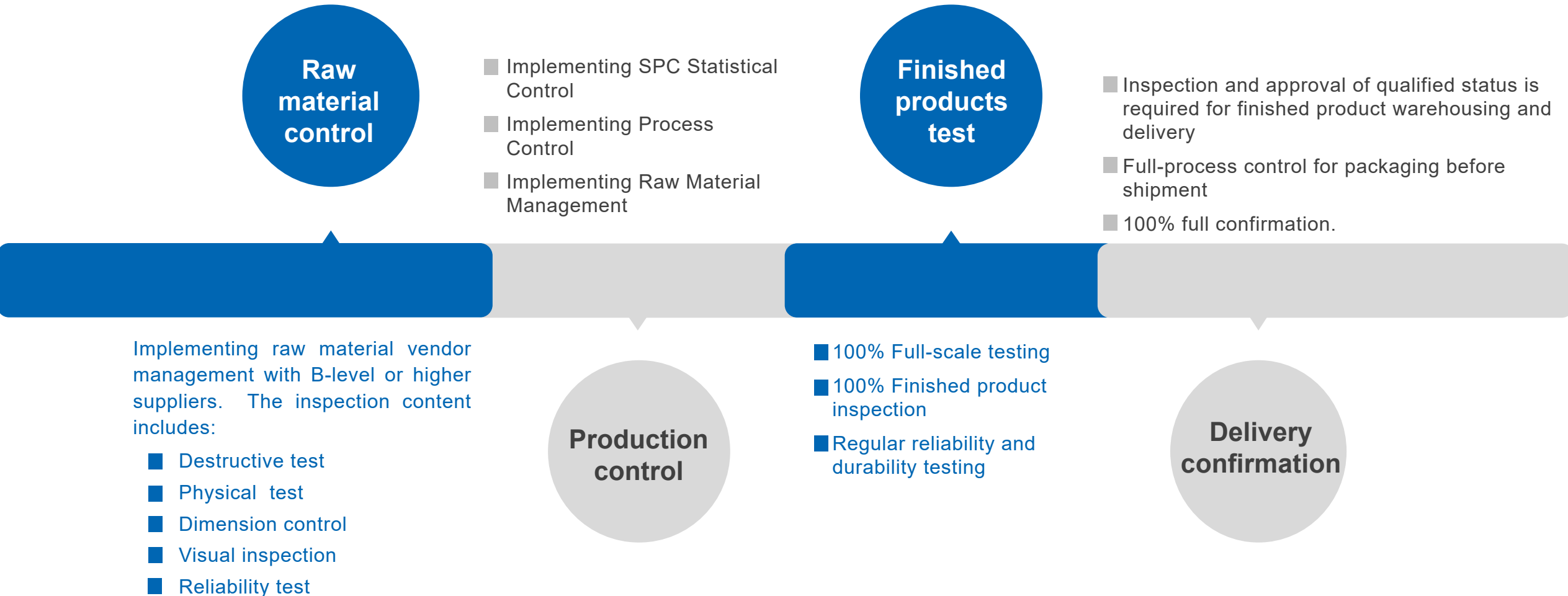
Low Noise

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Quality Assurance



We have a comprehensive quality control system





Comprehensive support and systematic service solutions

Product Selection

Assisting customers with finalize selection by professional technical Team



Craftsmanship manufacturing

Adhering to the business philosophy of "Quality creates value", we have integrated standardized and standardized management into every production process.



Installation& commissioning

According to customer demand, we provide reducer installation and commissioning services.



Training

We provide training of operation and maintenance of reducer.



Technical communication

Organize technical communication 3-5 times a year.



After-sales service

We provide after-sales maintenance and services to ensure the safety use and service life of reducer.



Marketing



MARKETING

Centralized Production

Decentralized Assembly

Zero-distance Market

NETWORK

10+ global assembly centers

100+ dealer partners



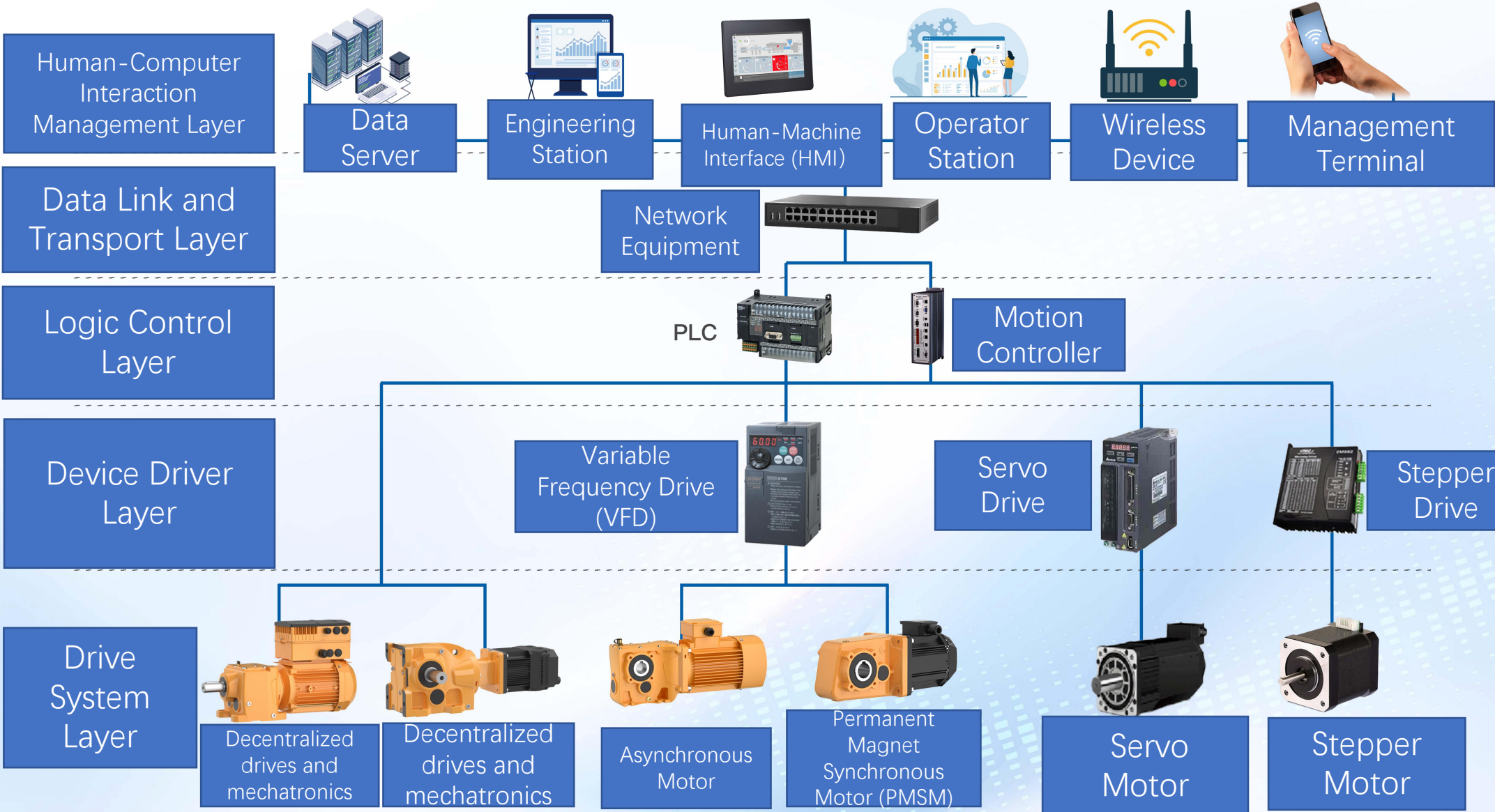


02

PRODUCT

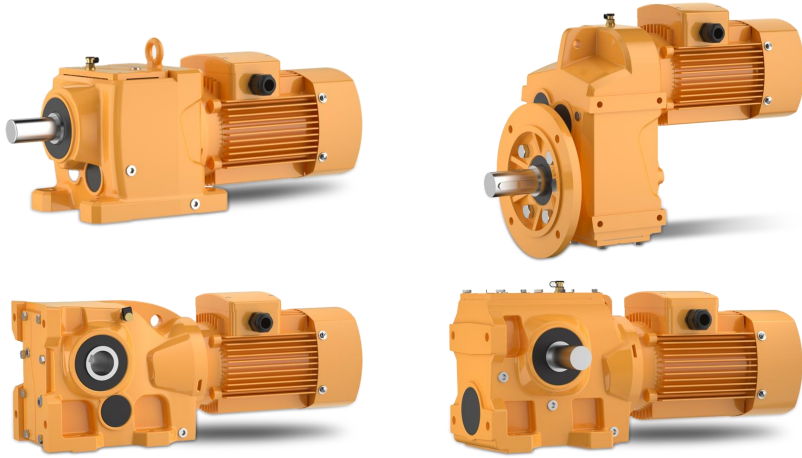
- ◆ Platform products
- ◆ Industry Customized Products

Integrated Solution



平台化产品

Platform products



R/F/K/S Series Helical Gearmotors

- Efficiency : 1-stage >96%
- Ratio : Fine division, single stage ratio range from 1.3-289.74, wide range of application
- Material : superior alloy steel (20CrMnTi) for gears
- Technology : Carbonitriding hardening treatment, HRC55-65
- Precision : Gear grinding, accuracy with grade 6



平台化产品

Platform products



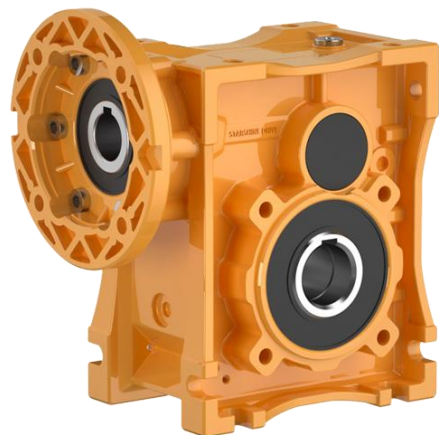
RV Series Worm Gearbox

- Material : superior alloy steel (20CrMnTi) with special heat treatment for worm shaft, high hardness ; Patented premium KK alloy copper for worm wheel, excellent wearability.
- Ratio : wide range ratio , single stage can be 100, double stage can be 10000.
i≥60 with self-locking function.
- Maintain : synthetic worm gear special lubricating oil, to ensure transmission efficiency and improve service life



平台化产品

Platform products



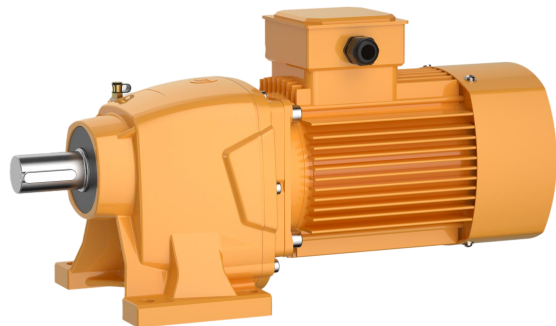
SCK Series Helical-Hypoid Gearbox

- Efficiency : 90%-95%, higher by 15%-40% than RV series
- Configuration : Input side SKF oil seal, output side NAK oil seal, C&U bearings ; Special hypoid lubricating oil.
- Material : superior aluminum alloy casting, High strength casing, big gear diameter, high hardness and long service life.
- Torque : Carbonitriding treatment, same size torque is higher by 1.5 times than RV series.
- Mounting : same mounting dimension as RV series



平台化产品

Platform products



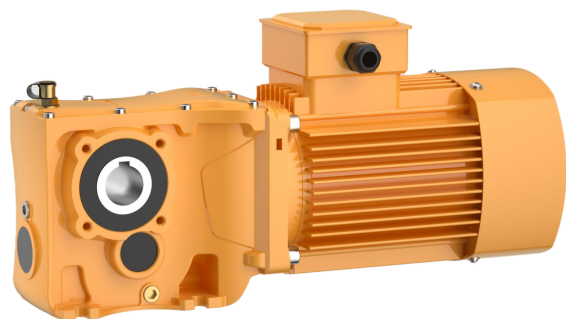
NCJ Series Helical Gearmotor

- Efficiency : 92%~96%
- Material : superior alloy steel (20CrMnTi) for gears. Carbonitriding hardening treatment , high hardness (HRC55-65)
- Motor: Special wide frequency high performance motor, work well under 20Hz-60Hz full loading.
- Maintain : Special lubricating oil, can meet 20000 hours of normal use
- Replacement : NCJT04B/J can replace 1# cycloid gearbox , to energy saving upgrades



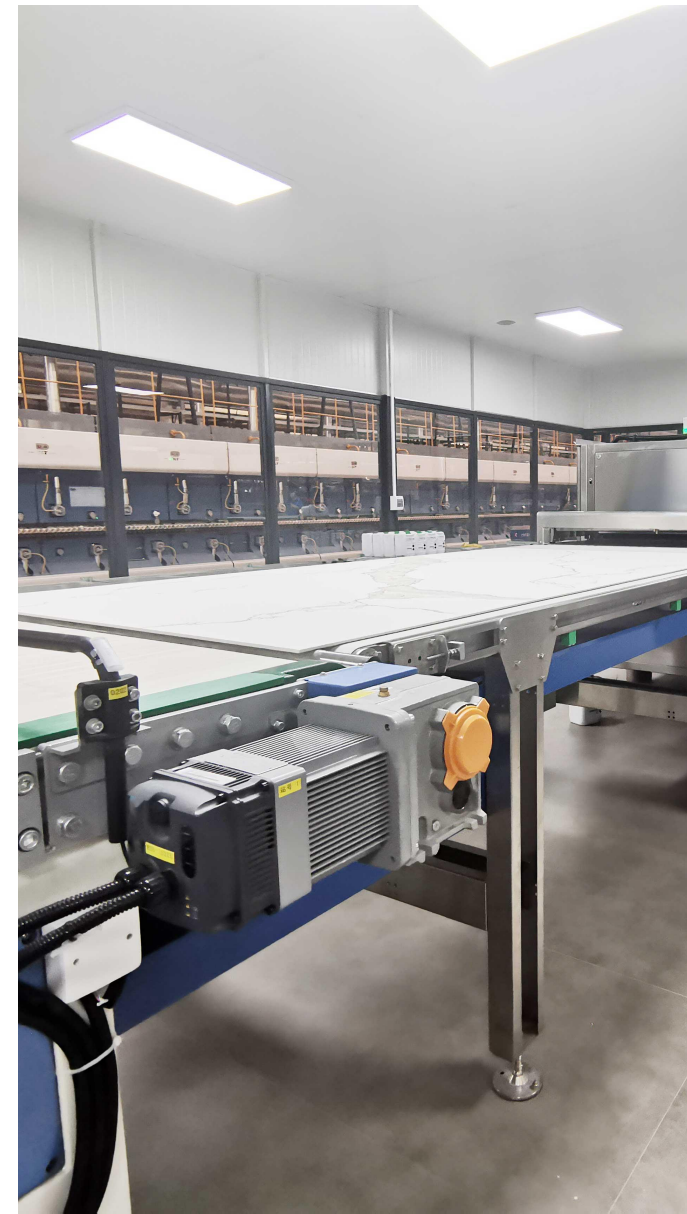
平台化产品

Platform products



SNKG Series Bevel-Helical Gearmotor

- Efficiency : 90%, with high precision bevel + helical gear drive
- Material : superior alloy steel (20CrMnTi) for gears. Carburizing and quenching treatment, high hardness(HRC55-65)
- Motor: Special wide frequency high performance motor, work well under 20Hz-60Hz full loading.
- Maintain : Special lubricating oil, can meet 20000 hours of normal use
- Mounting: various option--torque arm, foot, etc..to fit every angle mounting.



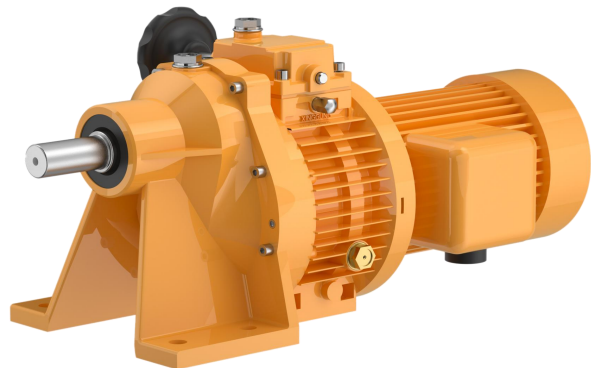
平台化产品

Platform products



JWB-X Series Speed Variator

- Professional Standard: the earliest one who developed this product in China, Product standards are recognized as industry standards
- High wear resistance: The friction pair is made of high carbon chromium bearing steel and special heat treatment process, with excellent wear resistance and high contact fatigue strength.
- Variator range: Direct output speed range up to 5 times, and can be flexible in load operation.
- Easy to use: simple structure, small volume, low noise, convenient installation and maintenance



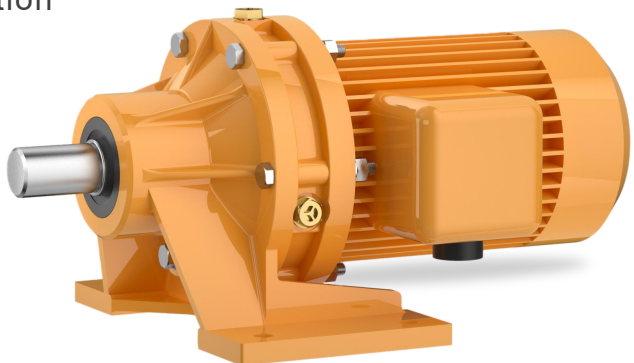
平台化产品

Platform products



B/JXJ Series Cycloid Gearbox

- Efficiency: 1-stage 85%, 2-stage 72%
- Ratio: 1-stage 1/9-1/87; 2-stage 1/99-1/7569
- Structure: with planetary transmission principle, compact structure, small volume, compared with other reducer under same power/ratio, volume and weight can be reduced by 1/2~1/3
- Material: transmission parts are made of high carbon chromium bearing steel and special heat treatment technology, and are driven by rolling friction, which can lower fault and extend service life
- Application: frequent starting and forward- reverse rotation



Other Industries Customized Products



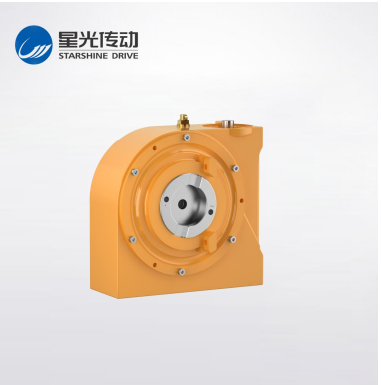
SKC87 for Crane
Construction lift



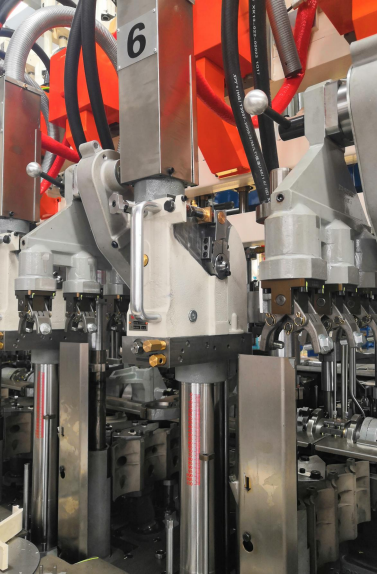
MC/MZ for
Woodworking
Four-sides moulder



XGP600 for Textile
Carding machine



Z270 for Glass
Determinant clamp
bottle machine



MG125 for
Woodworking
Sander



SNP Series planetary for
Stirrer



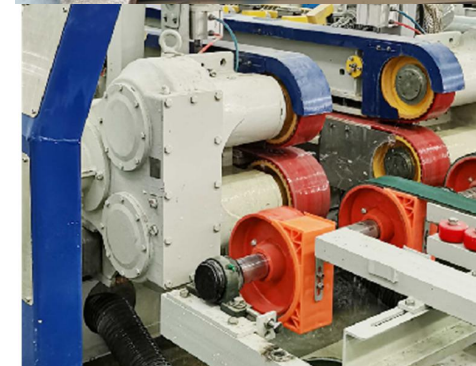
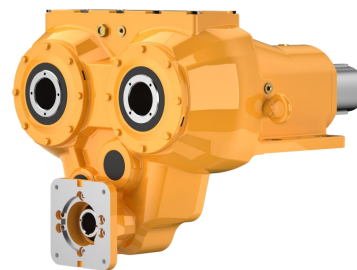
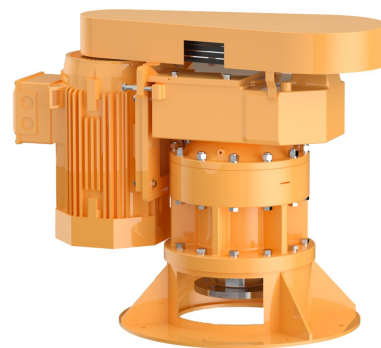
行业定制产品

Industry customized products



Industry Customized Products

- SHMF Dedicated for Material Mixing
- NCJF04Y2 Dedicated for Kiln
- NCJ05PC Dedicated for Cellular Ceramic
- NCJT03Y2 Dedicated for Glaze Line
- SNFEG3000 Dedicated for Squaring Machine
- HB series Crane, Mining, steel, Cement



03

APPLICATION

- ◆ Ceramics, Textiles, Contruction lift, High voltage switch, Woodworking, Glass, Food beverage, Package, Printing, Photovoltaic, Wind



Stirrer



Dryer



Kiln



Pre-Kiln

Solution for Ceramic industry

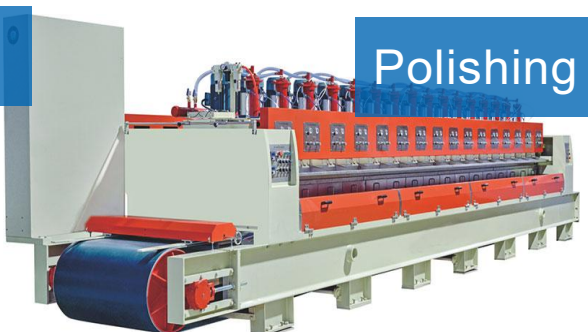
The advantages of high efficiency, low temperature rise, low noise, convenient installation, and long service life.



Glazing



Packing



Polishing



Squaring



Ink jet

Solution for Textile Industry

—
针对纺织行业高温潮湿环境研发制造



High temperature resistance

Be adapted to drive roller of heat radiation



Anti-corrosion

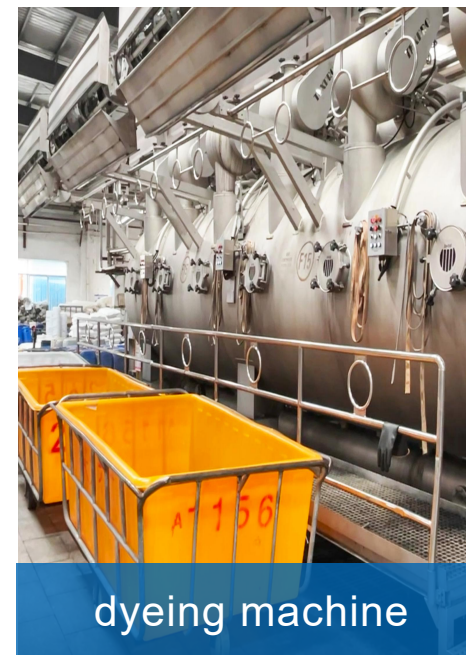
Coated with strong anti-corrosion paint to adapt to the influence of acid-base solvents when dyeing



Cot Roller



Washing machine



dyeing machine



Wide roll



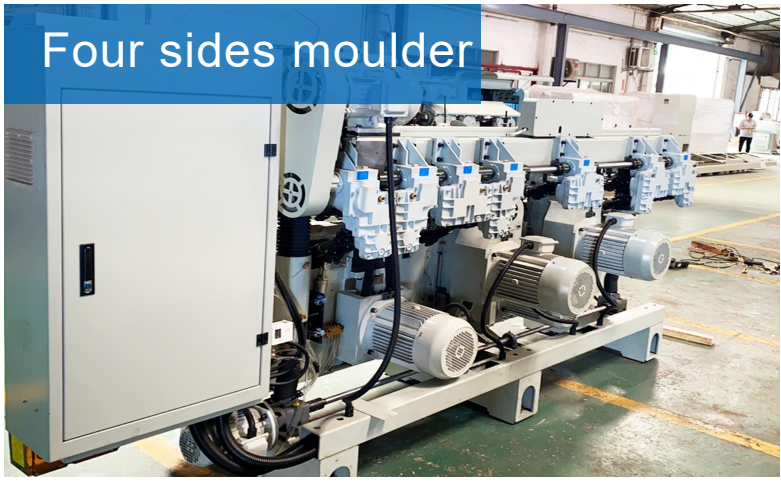
Hair removal device



X-Y Plaiter



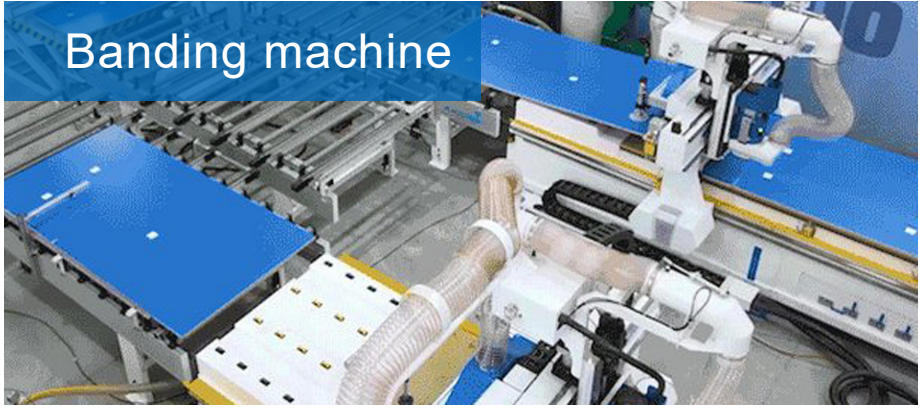
Sander



Four sides moulder



Coating machine



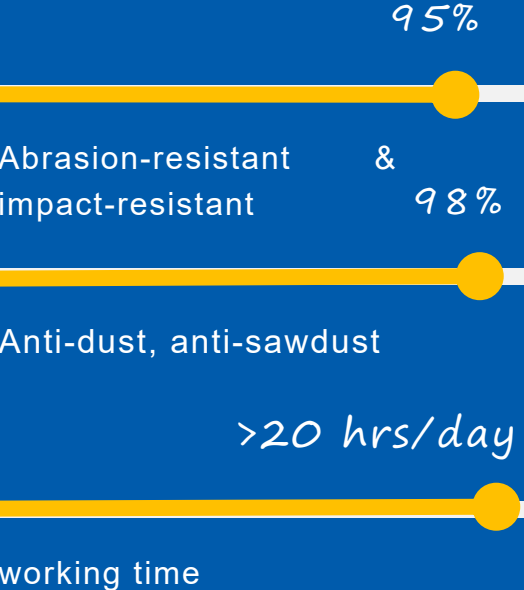
Banding machine



Rotary cutting machine

Solution for Woodworking Industry

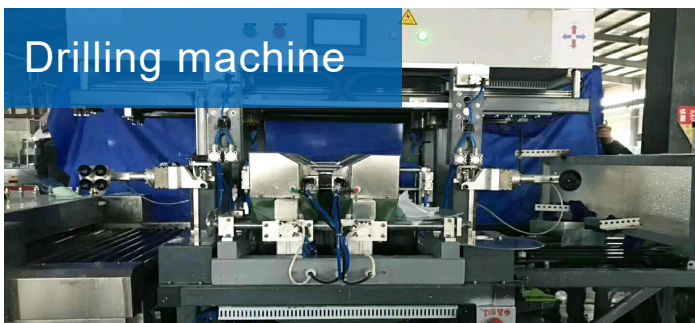
适用于木工行业的砂光机、封边机、四面刨、喷涂机、旋切等机械设备



Solution for Glass Industry

适用于各类普通玻璃机钢化玻璃生产线中的钢化炉、上片台、切割机、磨边机、下片台、清洗机、钻孔机等玻璃深加工设备。

Drilling machine



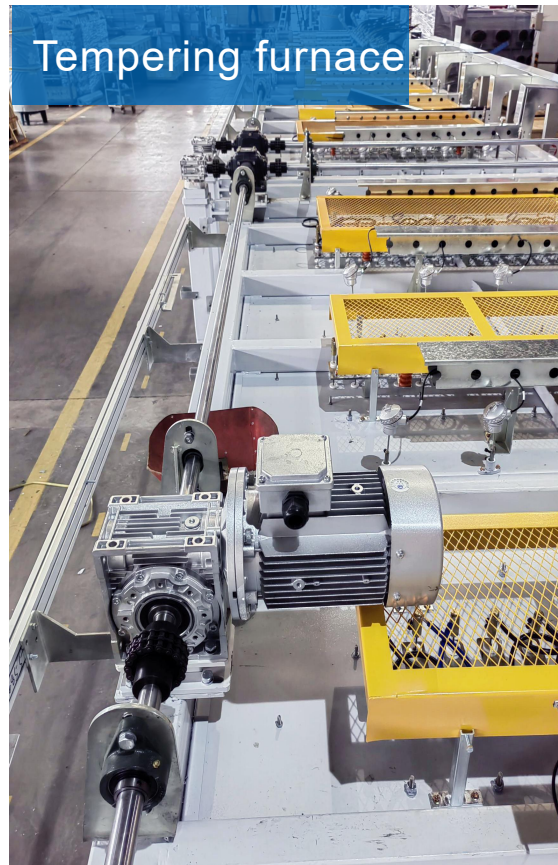
Squaring machine



unloading-loading machine



Tempering furnace



Transfer line



Edging machine

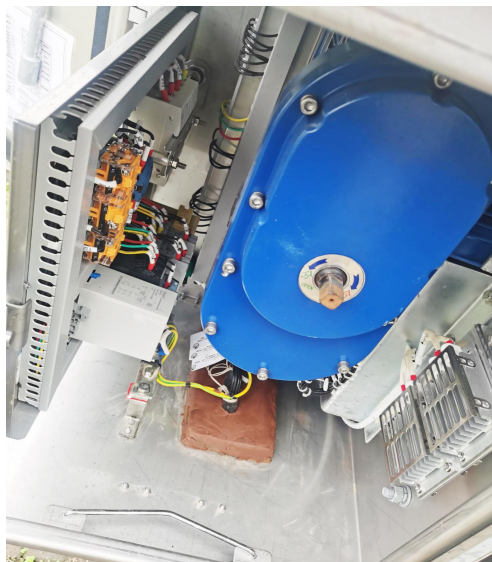


Disconnecting Switch

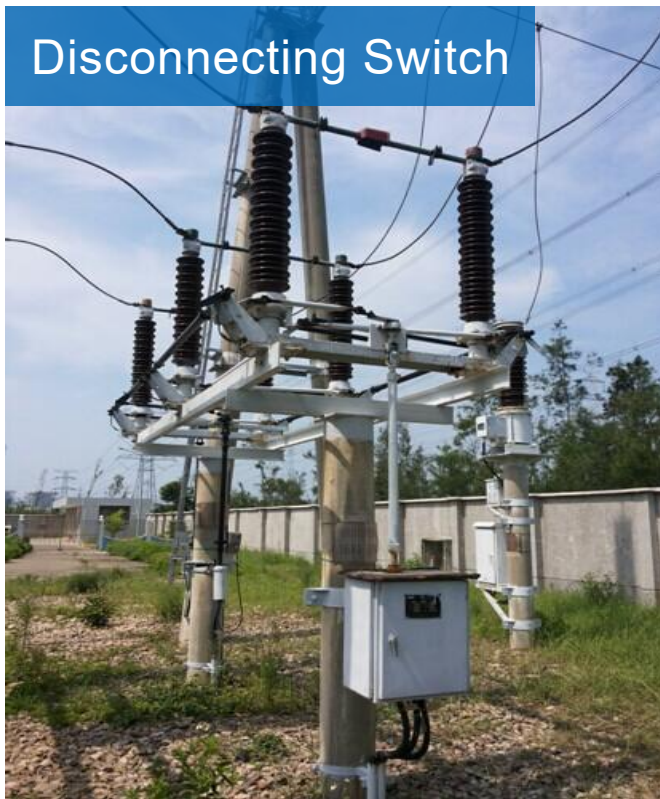


Solution for High Voltage Disconnecting Switch

适用于隔离开关部位。



Disconnecting Switch



Worm gearbox



Solution for Contruction lift

适用于各类施工升降机及开门机设备。

Contruction lift、Door Opener



Contruction lift



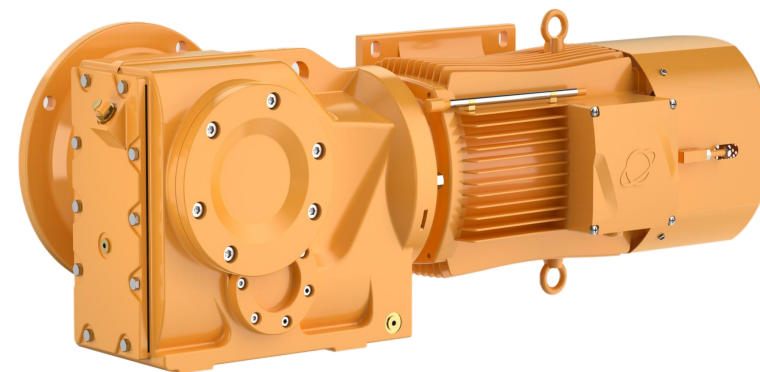
Contruction lift、Door Opener



Door Opener



SKC87 Geared Motor



Retort



Solution for Food & Beverage

适用于各类食品饮料生产线中的杀菌釜、理瓶机、灌装机、卸垛机、贴标机、膜包机、开箱机、装箱机、输送线、码垛机、封箱机等设备。

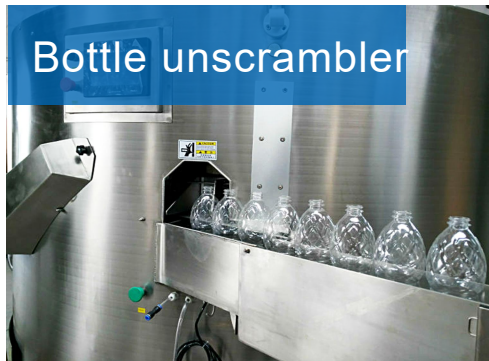
Conveyor



Palletizer



Bottle unscrambler



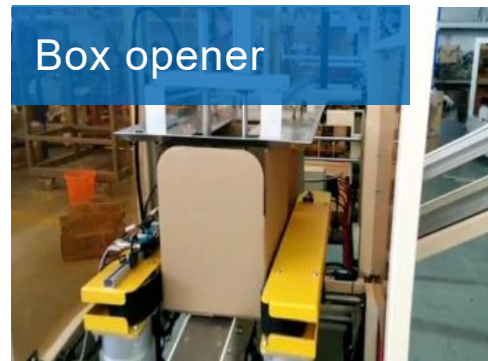
Depalletizer



Labeling Machine



Box opener



Sealing machine



Filling machine



Film charter



Packing machine



Multiple cars on one track



Solution for Logistics Industry

适用于仓储、搬运装卸、输送分拣等设备。

Robot automatic picking



Robot automatic picking



Module belt sorting



Roller transfer sorting



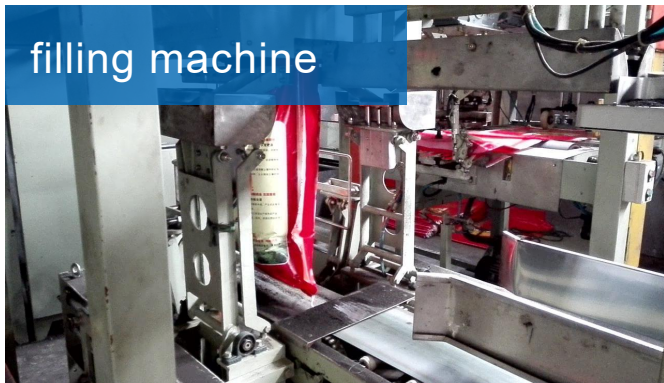
Turnout stacker



Narrowband transfer sorting



filling machine



Conveyor



Solution for package industry

适用于各类包装生产线中的填充机、裹包机、封口机、贴标机、打包机、装卸机、码垛机、清洗机等设备。

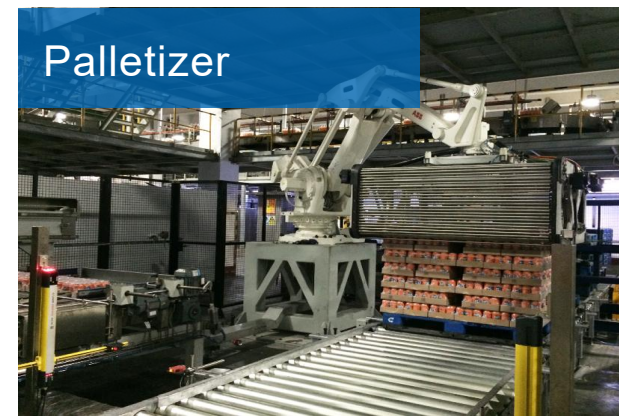
Sealer



Baler



Palletizer



Labeling Machine



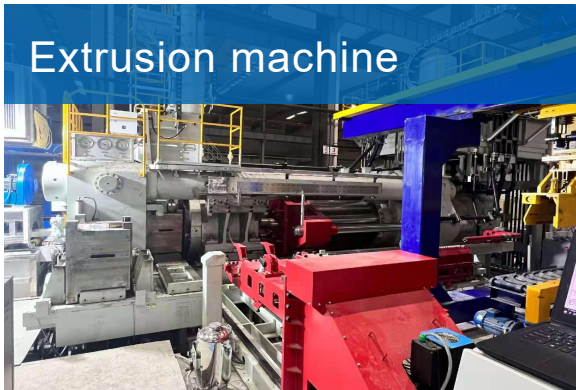
Loader



Washing machine



Extrusion machine



Hydraulic stretching machine



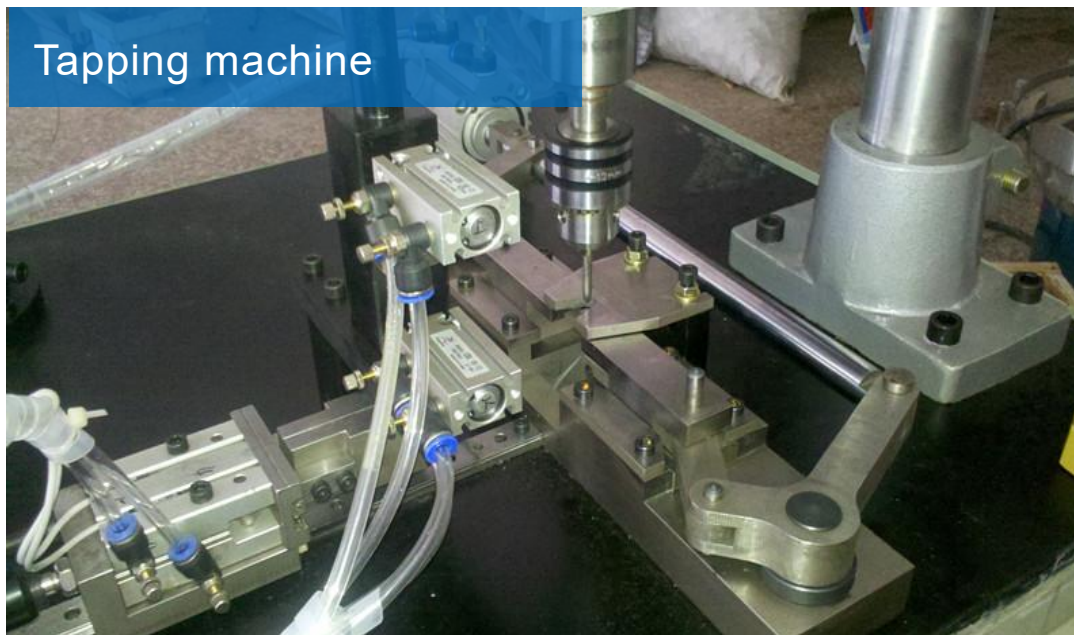
Punching machine



Solution for Aluminum Industry

适用于各类铝材生产线中的挤压机、拉伸校直机、冲孔机、切割机、打包机等深加工设备。

Tapping machine



Cutting Machine



Baler



Solution for New Energy Industry

适用于新能源的光伏、风电等行业。

Photovoltaic ribbon
welding machine



Photovoltaic support
production line



Wind tower free climber



Photovoltaic



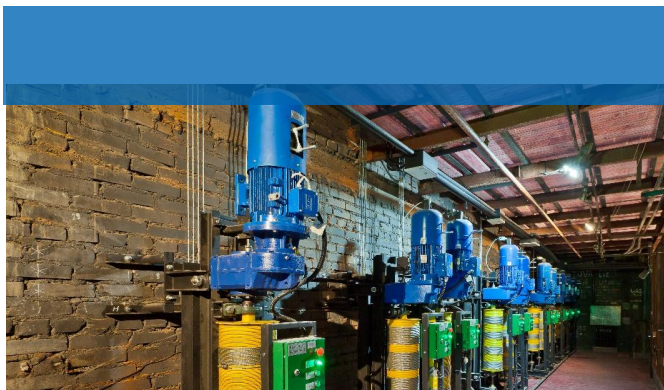
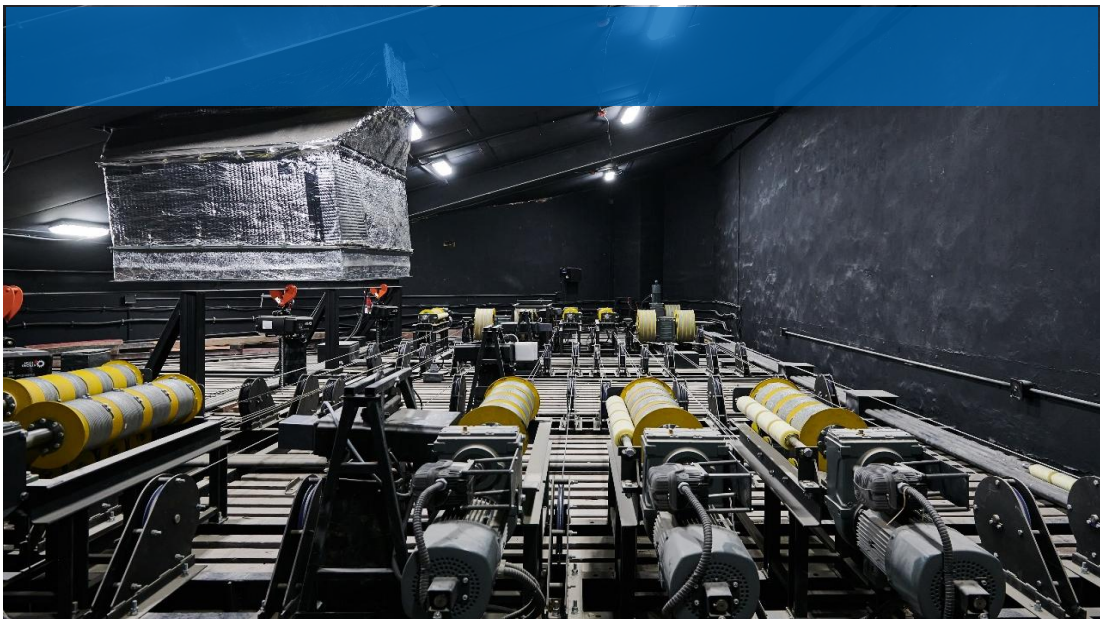
Wind





Solution for Theatrical Machine

适用于舞台设备圆形灯、棱形灯升降等场景。



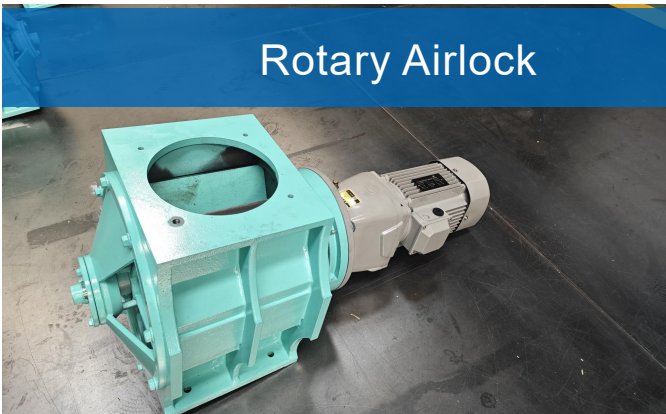
Solution for Grain and Oil Machinery

适用于粮油设备圆形灯、棱形灯升降等场景。

Bucket Elevator



Rotary Airlock



Screw Conveyor

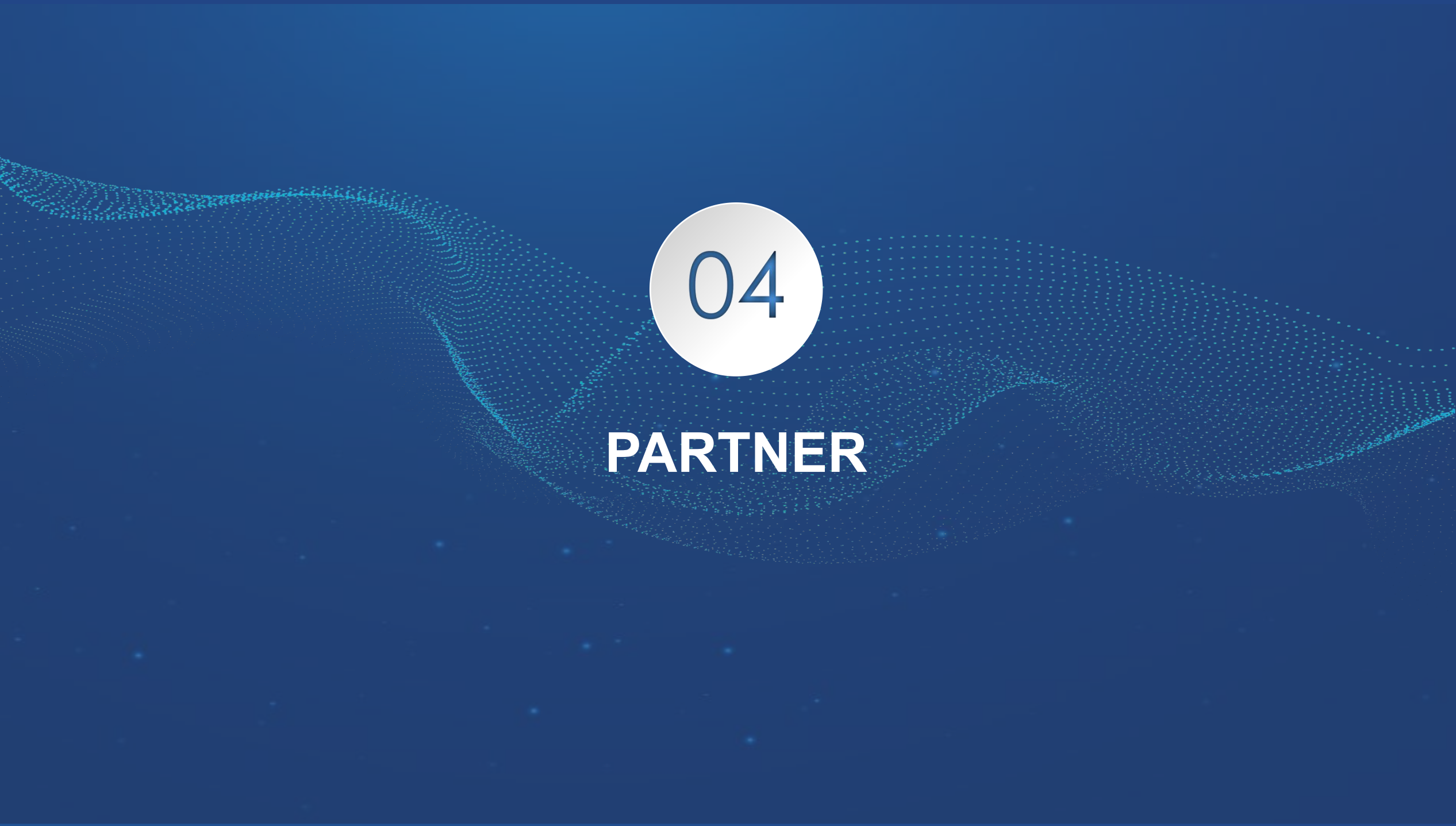


Grinding Mill/Pulverizer



En-masse Conveyor





04

PARTNER

合作客户

Our Partner



陶瓷行业:

Ceramic
industry



力乐科技
LILE TECHNOLOGIES



物流行业:

Logistics
industry



纺织行业:

Textile industry



动静之间·唯简不凡

Partner



木工行业:

Wood working
industry



施工梯行业:

Construction lift indust



广州逸安工程机械有限公司



江苏中宝龙工程机械有限公司
施工升降机 / 塔式起重机 / 液压升降机 / 环保设备



天津市京龙工程机械有限公司

高压开关行业:

High voltage disconnecting
switch industry



食品包装行业:

Food packaging
industry



玻璃行业:

Glass industry



名特智能设备
MOUNTAIN INTELLIGENT EQUIPMENT



新能源行业:

New engergy
industry



宁夏电力投资集团有限公司
NINGXIA ELECTRIC POWER INVESTMENT GROUP CO., LTD.





- Between Dynamic and Static, Simple Extraordinary