Pump Line up

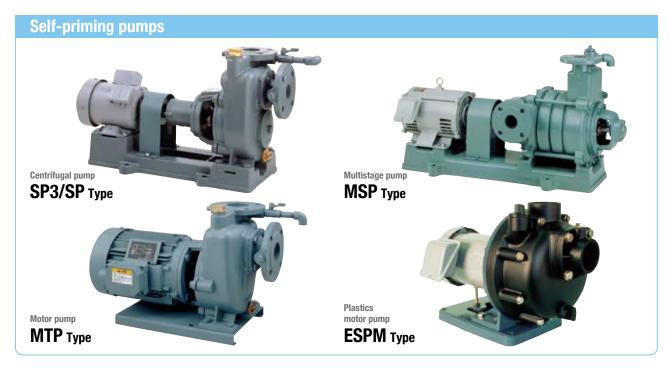
Although we may not notice them, pumps support our everyday lives. Leading-edge technology and uncompromising product quality control provide answers to today's changing needs.

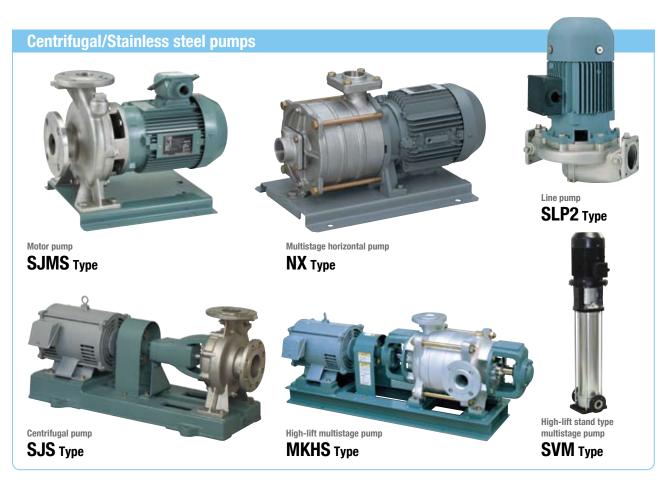


Centrifugal pumps

High performance and reduced size and weight have been realized through the latest fluid design. Our stainless steel lineup has been improved to respond to a wide variety of needs.













Freshwater submersible pumps

Our submersible motor pumps for deep wells are known for their high functionality and reliability. Our flexible lineup provides answers to a range of needs, from heavy industrial use to household uses.



High capacity pump

SAM Type, **SPM** Type



Deep well submersible pumps

TWS Type



Deep well submersible pumps

MSUS Type









Submersible turbine middle inlet pump (can be installed horizontally)

SSTM Type (T Type)



Submersible turbine bottom-inlet pump

STM Type (TU Type)



Deep well submersible pump

MSU Type



Water supply units

Designs that provide power while saving space and energy.

Practical, durable, highly functional pumps provide reliable support for daily life.

Direct booster units



Large bore 75 mm Cabinet

MC3 Type



New cabinet

MC4 Type



Installation type

NX-DFC Type

Surface water supply units



Estimated termal pressure constant control water supply unit (inverter control)

NX-VFC Type



Constant-pressure water supply unit

NX-LAT Type



Self-priming auto reel

LAT III туре

High head high flow water supply units



SVMV Type

Submersible water supply units



SSTM-VFC Type

Pumping units



NX-LFT Type



Fire pumps

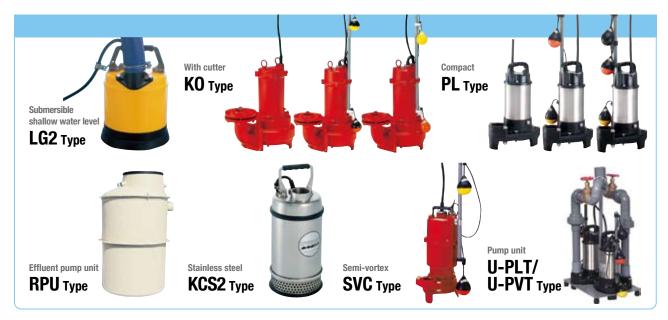
Teral presents the industry's rst unitized fire pump. Its high-level technology and reliability have won considerable praise.





Submersible drainage pumps (For drainage)

MKF/MF Type



NXF Type

Household pumps

Household pumps used in houses and housing complexes. We offer ideas for pressure pumps, deep well pumps, submersible pumps, etc. that are tailored to installation sites and conditions of use.

What is the suction head?

- If the suction head is:
- · 8m or higher, please select a submersible pump (HP type) or a shallow/deep well pump (KP type).

 • 8m or less, please select either
- a shallow well pump (WP or THP2 type) or a shallow/deep
- well pump (KP type).

 3m or less for pressure pumps, please select a water mains pressure unit pump (WP-S or



What is the delivery head?

· The head height is a measure of the distance from the pump to the highest



What is the capacity you need?

· A good way to estimate the required capacity is to multiply the number of outlets in simultaneous use by 10 liters per minute



Should I choose manual or automatic?

- · Generally, households use an automatic system, in which water flows as soon as the tap is turned.
- · If water is going to be used continuously for a prolonged period, it may be better to select a manual system (one that requires action to start and stop the pump).





Compact water supply pump

THP2-V-DW Type





Water mains pressure unit pump with water receiving tank

RMB Type (For use with THP5 Type)





Industrial/Set Pumps

Solid reliability and ease of maintenance are musts for units of machinery.

These highly distinctive products respond to the needs of a wide variety of workplaces.





Fan Line up

Diagonal flow fans

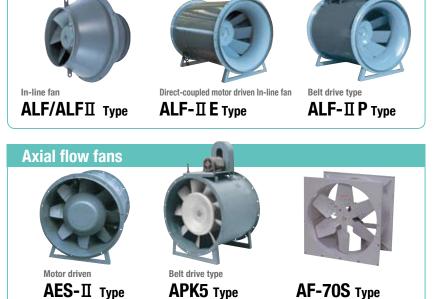
Fans have come to play an indispensable role in today's ever more complex urban environments. Our varied line-up of high safety products help to maintain comfortable environments in a number of ways.



For building ventilation and air conditioning

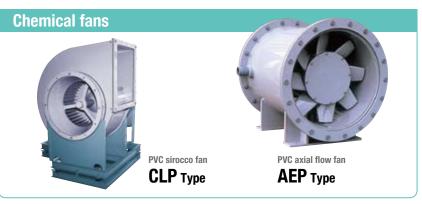
We are proud to present this diverse line up of products, used everywhere from air blowers in large-scale underground parking garages and subway stations, to ventilation units in hot water supply rooms.

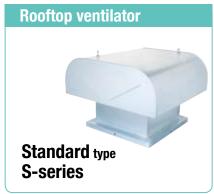
















Industrial air blowers, Set fans

Air-cooling ventilators in thermal electric power plants, buildings, and factories help to maintain comfortable air conditions by sending fresh air and water.

These safe, high-performance devices help keep industrial facilities clean.





Pressure fans

We provide a variety of pressure fans, from standard types to stainless steel or frameless types, with various blade diameters and materials suited to a range of applications and conditions of use.



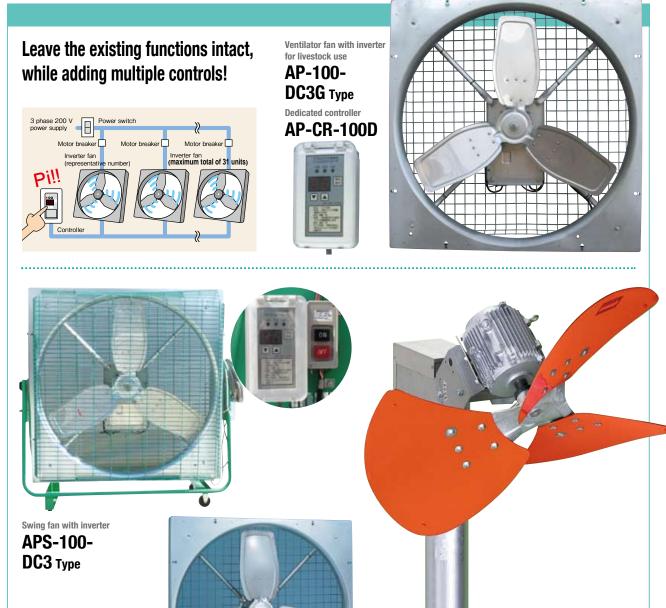


Standard ventilator fan for

AP-100-1G Type

Agricultural ventilation fans

Our extensive lineup of products allows us to respond with pinpoint accuracy to a range of needs, from air conditioning and ventilation for plastic greenhouses and livestock barns, to drying the harvest or frost prevention fans for fruit gardens.



Frost prevention fan

AFF Type

Environmental Systems

Purication and recycle of wastewater is now one of the most priority issues of the urban life. We hope to promote a sustainable recycling society by taking a total approach to preserving the future of the environment.

Filtration Equipment

Filtration equipment is used for industrial cooling water, process water, and a range of other wastewater treatment applications. By making effective use of rainwater and other resources, this system also contributes to resource recycling.

Pools

In addition to traditional indoor and outdoor swimming pools, recent years have seen the growing popularity of sports clubs offering Jacuzzis, coldwater baths, waterfall-style baths, saunas and other bathing facilities. Teral, in addition to providing sand and other types of filtration equipment using either cartridges or FRP tanks, also provides a fully automatic, total control system to provide centralized control for automatic chlorination injectors and ozone treatment devices.









Well water filtration systems

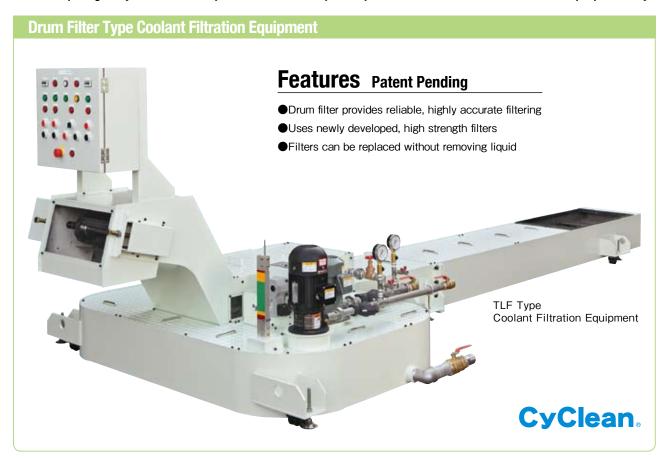


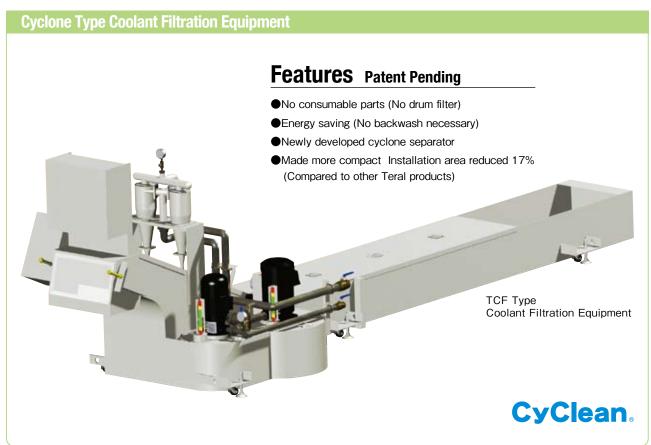
In the area of well water filtration systems for hotels, golf clubs, fitness clubs and factories, Teral provides systems optimized to the raw water quality and the customers'needs. We collect data through on-site inspections and coordination with well-drilling businesses to create a total system to provide drinkable water, covering the initial planning and basic design, construction design, construction and maintenance, while seeking to minimize water charges.

Coolant filtration system

3 dimensional flow analysis has allowed us to optimize design of the coolant tank which in turn allows for coolant purification.

Teral's unique ingenuity and technical capabilities allows us to provide products which are more environment and people friendly.





Water-treatment systems/Solar battery pump systems

We provide water treatment systems that play a key role in improving the environment, such as pretreatment system for kitchen water and water reuse systems to purify wastewater, necessary for hotels and restaurants to use as intermediate water supply.

Pretreatment system for kitchen wastewater (BT Bio-clean)

This system purifies wastewater from kitchens, which contain highly concentrated organic pollutants and oils, to bring it up to the standards required for release into the public water mains. Instead of the existing pressurized flotation separation system, by using our unique organic treatment method called BT Bio-core, a separate

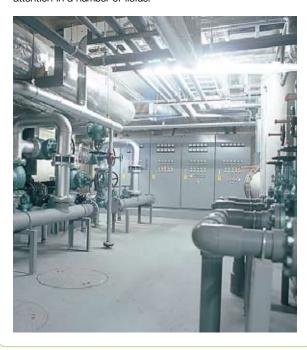


treatment process for sludge and scum is no longer required. This system has won great praise from our customers.



Waste water reuse (Intermediate water supply) system

Substitute clean water is waste water that has been purified of organic pollutants and microorganisms, then filtered and disinfected. Waste water reuse systems use this water as an intermediate water supply for toilets and firefighting purposes. The issue of conservation and recycling of water resources has attracted considerable attention in a number of fields.



Rainwater treatment system

The rainwater filtration system seeks to filter and disinfect rainwater collected from the roof or tanks above the roof to improve the quality of water and allow it to be reused. Using this water in toilets and for firefighting purposes allows for significant decreases in clean water charges, and there has been a sudden surge in the number of new buildings introducing this type of system.



Solar battery pump system

This environmentally-friendly pump system runs on solar energy

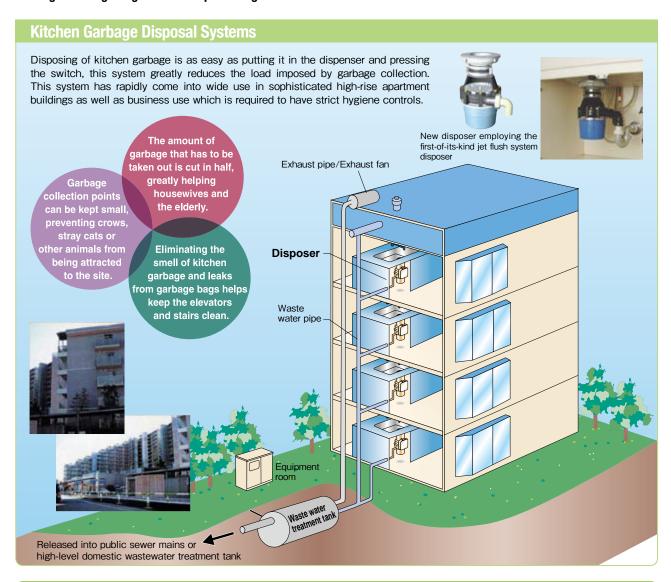
- ①Clean energy production as light is converted directly into electrical energy
- 2 Uses renewable solar energy
- No external power source required. Can be installed in any location.
- ④Environmentally friendly, zero emissions of greenhouse gas (CO₂)
- ⑤Pump system can be selected to fit the intended application (Inverter type, sensorless brushless motor type, compact DC motor type)
- **6**Using submersible pumps results in extremely low running noise





Kitchen Garbage Disposal Systems

Kitchen garbage disposal systems crush garbage in a disposer, and then purify the garbage in a treatment tank before releasing it into the sewer system. This system has drawn attention for its ability to reduce the offensive odor from treating kitchen garbage while also protecting the environment.



Rooftop greening system

Rooftop greening systems have drawn attention as a possible solution to the heat island effect of major cities. By combining bamboo charcoal with a rainwater collection and circulation system, unique designs can be created without sacrificing ease of maintenance.



Maintenance

Teral's nationwide service network delivers safety and peace of mind in this new age.

Water supply and drainage, air conditioning and water treatment systems work around the clock without pause in order to allow us to continue to enjoy safe, comfortable living conditions. In the event of an emergency, we must respond quickly, with highly skilled technical personnel to pinpoint the cause.

Teral Technoservice's nationwide network forms the cornerstone of our 24-hour emergency response organization, to catch issues before they become problems and to conduct regular maintenance, providing the customer's system with complete safety support.

Periodic maintenance, cleaning service

Preventing problems before they occur, by maintaining your facility's equipment in the best possible condition, effectively reduces costs. In order for you to continue using this equipment safely over a prolonged period, we recommend conducting regular maintenance and cleaning.



Maintenance coordinator service

Restaurant equipment is subject to a high level of wear and tear, and regular maintenance and cleaning is essential. It is important to manufacture restaurant equipment that is energy efficient and easy to maintain, to start with. Teral provides total coordination with an eye to keeping down costs.



Improvements: Proposal service

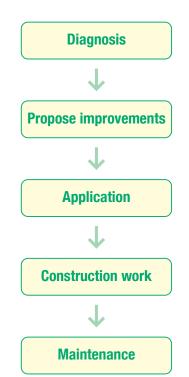
Around 10 years after installing machinery, its performance begins to degrade and maintenance costs begin to rise. Teral can accurately assess the device's conditions of use, and present timely, customer-focused solutions.



Improvements: Construction service

There is growing interest in the reuse of old water pipes, construction to switch to direct pressure/booster direct-coupled water supply systems, the replacement of water pumps and other measures to improve safety while saving space. We use the latest technologies to bring you fast and effective service.





24-hour emergency response

Major cities never sleep, and so trouble with plumbing system or air conditioning equipment can cause serious damage. Teral provides a 24-hour emergency response service, linking our monitoring center with automated emergency notification systems. In the event of a problem, we can respond quickly to keep the customer safe and worry-free.



Parts Line up

- Teral presents its unique AMP system, which makes it easier to create a range of parts out of plastic, from high-strength thick walled parts to largescale parts.
- We provide not only complete pumps, but also a strong line up of associated parts, allowing us to also respond to needs for individual parts.













Discharge casing

THP5-V outdoor cover

Guide vane

Fire extinguisher box









Drum holder

Companion flange

Vacuum box (main body)

Vacuum box (lid)







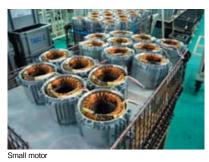


Mold motor

Junction pipe

Hair catcher

Discharge elbow







TERAL's Network

The Teral group network provides solutions to customers'needs, not only in Japan, but also overseas.

Modern urban environments are rapidly growing and increasingly diverse. Customers'needs and issues facing societies grow broader and more complex. In order to respond to these trends, Teral is further improving the specialized knowledge of group companies working in a variety of fields, to provide a total solution to the issue of creating a safe and comfortable environment.

Through leading-edge technologies and highly-focused marketing, we are helping to preserve tomorrow's irreplaceable environment, in Teral's home province of Hiroshima, in every corner of Japan, and around the world.



Teral Inc.

Factory

Originally established to produce and sell pumps, through the development of pumps we gained unique insights into fluid theory, which we put to use in the manufacturing and sale of air blowers and total heat exchangers. This company forms the core of the Teral Group. Currently we have become well known as the inventor of the industry's first unitized fire pumps and water supply pumps. In 1988, the company name was changed from Kyokuto Machine Manufacturing Co., Ltd. to Teral Kyokuto Inc., and then to the current name in 2008. We continue to devote ourselves to activities designed to improve the environment. Founded: August 1918/Established: April 1950/Capital: 78 million yen/Location: 230 Moriwake,

Miyuki-cho, Fukuyama-shi, Hiroshima 720-0003, Japan



■ Teral Technoservice Inc.

This service and maintenance group is involved in a range of business activities, from air-conditioning installment to renovation advice and water treatment system engineering. The company has worked in a wide variety of areas including pumps and fans, air conditioning system maintenance, inspection and repair to facility improvement and other fields since becoming independent of Teral Kyokuto Inc. in 1978. More recently, we have created a strong business in the field of rooftop greening. A 24-hour monitoring system provides emergency response, protecting the lifelines of urban centers.

Established: October 1976 / Capital: 64 million yen Location: 230 Moriwake, Miyuki-cho, Fukuyama-shi, Hiroshima



Teral Taku Inc.

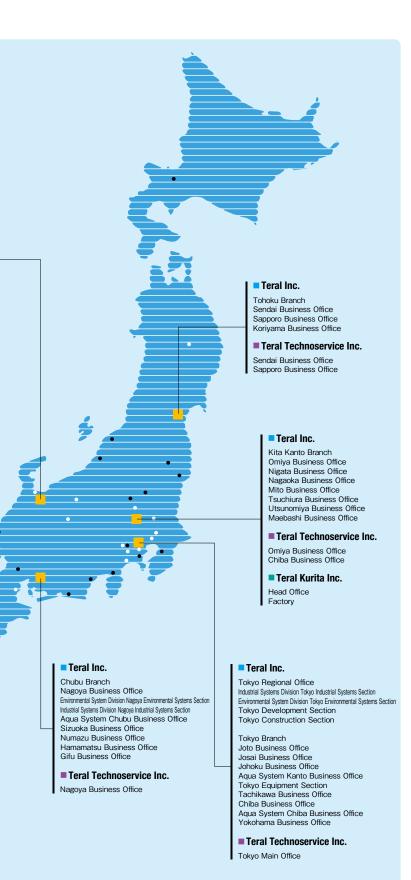
Pump manufacturer specializing in household pumps and machine pumps. We have been producing household "Kegon" pumps for more than 50 years. Today, we're realizing various possibilities and continuing to evolve by redesigning our "New Kegon" pumps. Our years of technical expertise in water, oil and fluid pumps combined with the seamless production of motor parts within the company provide a wide range of possibilities. This business unit joined the Teral Group in March 2003. Established: March 1970 / Capital: 80 million yen Location: 3898 Nagao, Minami Takumachi, Taku-shi, Saga

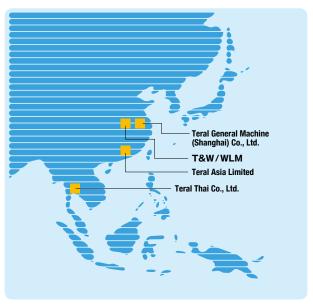


Teral Kurita Inc.

A fan manufacturer which provides a line-up of products to suit the needs of a wide variety of fields including industrial, equipment and agricultural. Wind production technologies led to the development of ventilation systems, and from there into other applications of this technology, such as frost prevention, dehumidification and drying systems used in agriculture. We welcome orders for customized devices to suite specific needs. Since July 2004, this business unit has been continuing its business activities as part of the Teral Group. Established: April 1947 / Capital: 100 million yen Location: 2-101 Arai, Kitamoto-shi, Saitama

List of Teral Group business offices Teral Inc. Hokuriku Branch Kanazawa Business Office Toyama Business Office Fukui Business Office Teral Inc. Teral Inc. Head Office Osaka Branch Osaka Business Office No.1 Osaka Business Office No.2 Factory Teral Technoservice Inc. Aqua System Kinki Business Office Environmental System Division Osaka Environmental Systems Section Head Office Industrial Systems Division Osaka Industrial Systems Section Fukuvama Business Office Minami Osaka Business Office Shiga Business Office Kyoto Business Office Kobe Business Office Himeji Business Office Teral Technoservice Inc. Osaka Branch Teral Inc Chugoku Branch Hiroshima Business Office Fukuyama Business Office Yonago Business Office Okayama Business Office Teral Inc. Teral Inc. Kyusyu Branch Shikoku Branch Fukuoka Business Office Takamatsu Business Office Kitakyusyu Business Office Matsuvama Business Office Oita Business Office Kumamoto Business Office Aqua System Minamikyusyu Business Office Nagasaki Business Office Miyazaki Business Office Kagoshima Business Office Teral Technoservice Inc. Fukuoka Business Office Teral Taku Inc. Head Office Factory







Teral Asia Limited

Based in Hong Kong, this company handles worldwide marketing, sales strategy and the planning of appropriate production bases based on these operations and also serves as the holding company for Teral's overseas group companies in Thailand and China.

Established: March 2011

Address: Room 1001, 10/F, Olympia Plaza, 255 King's Road, North Point, Hong Kong



Teral Thai Co., Ltd.

Southeast Asia has a great deal of potential as a manufacturing hub and new business field. Teral Thai Co., Ltd., established in 1991, serves an important point for production and sales aimed at this new market in the coming era. The company mainly handles the manufacture and sale of water treatment and air conditioning equipment.

treatment and air conditioning equipment.
Established: September 1991 / Capital: 35 million baht Address: <Bangpa-In Factory> 150 Moo 16 Udomsorayuth Rd., T. Bangkrasan, A. Bangpa-In, Ayutthaya 13160 Thailand



Teral General Machine (Shanghai) Co., Ltd.

Teral General Machine (Shanghai) was established in 2002 to take advantage of and expand the Chinese market, and to provide greater cost competitiveness in the Japanese market. This company is primarily engaged in the design and production of stainless steel pumps, water supply devices and air blowers, as well as the sale of our products, and it will play an increasingly important role in the Teral Group's future growth. Established: November 2002/Capital: 2.1 million US dollars

Established: November 2002/Capital: 2.1 million US dollars Address: No.285, Yuan Qu Road(N), Bei Qiao, Min Hang District, Shanghai 201109, China



Anhui Taiwei Electric Machine Co., Ltd. (T&W)

An electric motor company established through a merger with a Chinese electric motor manufacturer. The fusion of China's manufacturing power and Japan's technology and quality management have led to the creation of this plant which carries out assembly of 0.2-90 kW electrical motors. Motors are sold in Japan, China and Southeast Asian markets. At present, the plant has 2 production lines and maintains a daily production capacity of over 100 units per day.

Established: June/18/2009 - Capital: 2,500,000 USD

Address: Caifu Road, Jingchuan Town, Jing County, Xuancheng City, Anhui Province, P.R. China