



TRUNDEAN
MACHINERY

COMPANY

Specializing in the Manufacturing of Roots Blowers

Advanced Technology Topnotch Skill

Introduction and Operating Principles of Trudean Machinery Co., Ltd.

Trudean Machine Industry Co., Ltd. was founded in 1982. We insist on seeking high-quality talent and acquisition of overseas new concepts, to set up a business reputation of excellence and perfection. Trudean Machinery Co., Ltd. has intensified our spirit and attitude in our quest for perpetual betterment, to seek sustained research and improvement, to persist in aggressively adhering to the policy of "customer first, quality first, service first" to ensure customers with quality after-sale services.

In the past years, with the upgrading of domestic industrial standards, and in view of the imperativeness to enhance market competitiveness, we have passed ISO 9001 in 2002, and passed CE certification in 2005. In this competitive market, we have been seeking product stability, standardized production processes, and continued to renew installation of production equipment and inspection equipment, so that our products are not inferior to those in advanced countries. And we have actively invested in research and development and made improvement on all our products, including Root Blowers, Vertical Blowers, Submersible Blowers, and Magnetic Drive Pumps.

Besides developing the Taiwanese market, Trudean Machinery Co., Ltd. has actively developed overseas markets, and produced the "TRUNDEAN" brand for sales in overseas markets. Export markets have been extended to more than 60 countries, and our products have been highly recommended by local users. Based on firm and stable quality, Trudean Machinery Co., Ltd. enthusiastically develops new products and provides sincere and prompt service, providing better service to our customers and establishing excellent cornerstones for our sustainable business operation.

Trudean Machinery provided with ISO 9001 2000 Quality Certificate and CE Certificate qualifications



Product Characteristics

● Roots Blower (TH Type)

Between its rotor and air chamber, a Roots blower has an appropriate gap to the effect that they are not brought into contact with each other during operation, and its interior requires no lubrication. Contact between mechanical parts is made in time gear toothed mode, and oil and air between the air chamber and side cover are separated to ensure no lubricating oil will blend in, so the exhaled air is fresh air containing no oily ingredients, so that even in extended operation there will be no problem.



TH Type

Pressure : 1000~6000 mmAq
Capacity : 0.5~120 m³/min



● Magnetic Drive Pump (TMD Type)

Pump materials comprise mainly GFR-PP and PVDF. Therefore, almost all chemical solutions can be safely transmitted.

Abandoning the traditional design of shaft seal, the no shaft seal pump can be completely sealed, so there is no risk of damage to the pump which may result in leaks. Besides, during the disassembly and assembly processes of the no shaft seal pump, worn parts can be replaced easily without the need of special tools, therefore saving maintenance costs.

TMD Type

Flow : 37~550 l/min
Head : 4.6~37 m²



TSW Type

Pressure : 1000~6000 mmAq
Capacity : 2.94~10.79 m³/min

● Submersible Roots Blower (TSW Type)

Since the submersible roots blower is designed to reduce pressure produced in backflow, which relatively reduces vibration and noise levels, and reduces energy consumption.

The submersible roots blower is driven by straight-link type to reduce frequent wear and maintenance on the belt. As well, the submersible type of blower is submerged in water with a sound-muffling effect, so there is no need to install sound insulating box, sound insulation equipment, etc. Meanwhile, the submersible roots blower is placed inside the water tank, so it occupies no space, therefore, it can effectively utilize space.

Professional Services

● Technical consultancy service

To enable customers to accurately choose from product specifications, Trudean Machinery Co., Ltd. provides technical consultancy service to solve customers' technical problems when choosing products, thereby effectively reducing customers' business costs.

● Innovation R&D Service

R&D is the motivation for Trudean Machinery Co., Ltd. on our way to carry forward the past and forging ahead to future prosperity, to seek sustained improvement and perfection. Our well trained production group can at all times meet the customer requirements for any specifications, so that customers can rest assured.

● Quality Delivery Service

In addition to smooth operation under perfect ISO 9001 system, and complete test and inspection assurance, product delivery is also our acknowledgement and responsibility, so that our service personnel can support every customer at any time and location.

● After-sales Maintenance Service

To ensure maneuverability and stability for customers in the use of products, we shall provide the most efficient and highest quality services. As well as providing customers with a one-year warranty, we guarantee the supply and replacement of parts for future maintenance.



TV Type

Pressure : 1000~6000 mmAq

Capacity : 1.58~14.9 m³/min



THV Type (Vacuum)

Pressure : -1000~ -4000 mmAq

Capacity : 0.5~120 m³/min



THW Type

Pressure : 5000~10000 mmAq

Capacity : 3~110 m³/min

TRUNDEAN MACHINERY CO., LTD.

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