



SIAM INDUSTRIAL MACHINERY CO., LTD. [SIMC]
บริษัท สยามอินดัสเทรียล แมชชีนเนอร์รี่ จำกัด. [SIMC]



Rotating Equipment , Solution Systems and Automation projects.

Website : www.siam-m.com

2022 Rev.6



SIMC Website



Siam Industrial Machinery Co.,Ltd.

 **Siam Industrial Machinery Co.,Ltd.**
was founded in 2017 as a subsidiary of
Siam Industrial Corporation Ltd.

In 2017

Capital :

4,000,000 THB



Employees :

Japanese Staff 1, Thai Staff 8



Vision :

Siam Industrial Machinery Co., Ltd. aims to be one of the leading companies in Rotating Equipment and Factory Automation (FA).



Buisness Outline :

Unozawa Rotary Blower & Vacuum Pump, Rotating Equipment, Solution Systems, Saving Energy, Automation, Made to order, Parts and ME



Address :

5/15 Moo 6, Bangna-Trad Road (Km. 15),
Bang Chalong Subdistrict, Bang Phli
District, Samut Prakan 10540. Thailand

History Siam Industrial Corporation Ltd.



1982

Siam Industrial Corporation Limited was founded in 1973 as a subsidiary of Sino-Thai Engineering and Construction Plc (Sino-Thai). At that time the company was named Sino-Thai Corporation Limited with an initial registered capital of one million baht.

In 1982 , registered capital was increased to 5 million baht.

In 1985, the business has grown continually which led to a company restructure as an independent business. As a result, the name was changed to Siam Industrial Corporation Ltd (SICORP) with Mr. Krishna Sivakriskul as President.



1985

In 1986, the company has increased its registered capital to 10 million baht and established the company subsidiary namely Siam Industrial Installation and Service Co., Ltd. (SIIS)



1986

In 1991, As the expansion of business continues, the company has increased registered capital to 20 million baht.

with registered capital of 60 million baht, SICORP's mission is to become one of the leading sales and services firms of material handling and heavy machinery business.



1991

FORKLIFT

TCM



Mobile Crane

KATO



TRUCK CRANES

HOIST&CRANE CONCRETE MIXER AUTOMATIC PARKING COMPRESSOR

SWF
KRANTECHNIK



Teka



URBAN
PARKING



AIR

Quincy
COMPRESSOR



Meet Our Team



Mr. Kirachai Lengudomlap
Sales & Marketing Dept.



061-269-9269



080-474-9269



kirachai@siamind.co.th



kirachaijob@gmail.com



Mr. Kuniyuki Sawada
General Manager



02-312-5300 #226



sawada@siamind.co.th



Mr. Ekamorn Hankhumpang
Maintenance Dept.



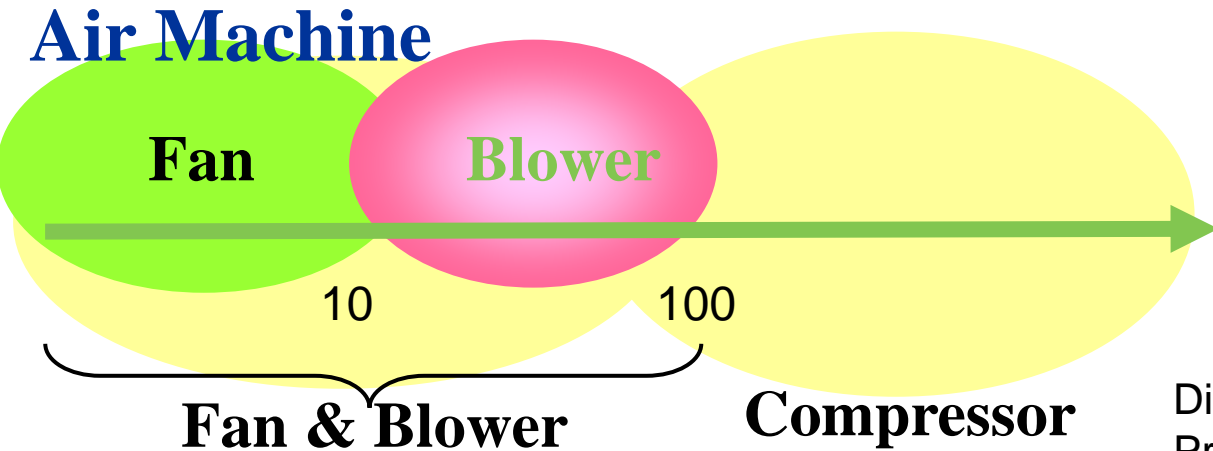
02-312-5300 #226



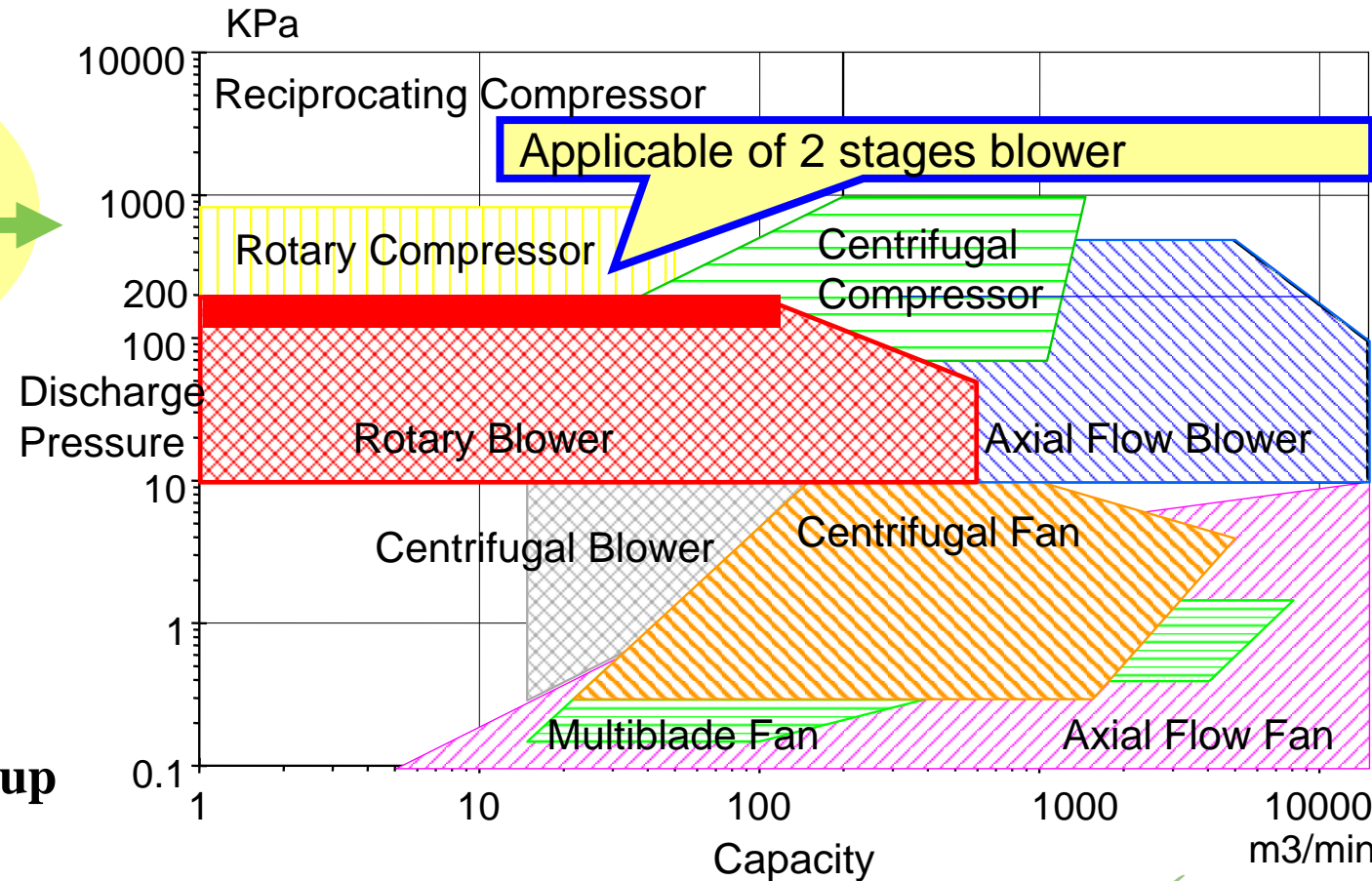
ekamon@siamind.co.th

What's Blower?

Type of Blower



- **Fan** Pressure length 0 – 10 kPa.
- **Blower** Pressure length 10 – 100kPa.
- **Compressor** Pressure length 100kPa or 1Bar up





Siam Industrial Machinery Co.,Ltd.

Index

	Page
1. SIMC Company Profile	2 - 3
2. SIMC Contact	4
3. Blower Information	5
4. Category of Main Business	7
5. ROTATING & WWT EQUIPMENT	8-17
6. SOLUTION SYSTEMS	18-27
7. CLEAN ROOM PRODUCTS	28-29
8. AUTOMATION	30-45
9. MADE TO ORDER , PARTS & ME	46-59
10. SIMC & SIC Maps	60





Our Products & Service



บริษัท สยามอินดัสเทรียล แมชชีนเนอรี จำกัด
SIAM INDUSTRIAL MACHINERY CO., LTD.

5/15 หมู่ 6 ถนนบางนา-ตราด กม.15 ต.บางโหลง อ.บางพลี จ.สมุทรปราการ 10540 โทร 02-312-5300 โทรสาร 02-312-5410

5/15 Moo 6 , Km 15 Bangna-Trad Highway, Bangchalong , Bangplee, Samutprakarn 10540 Thailand Tel 02-312-5300 Fax 02-312-5410

- 01 ROTATING & WWT EQUIPMENT**
- 02 SOLUTION SYSTEMS**
- 03 CLEAN ROOM PRODUCTS**
- 04 AUTOMATION**
- 05 MADE TO ORDER , PARTS & MAINTENANCE SERVICE**

1. ROTATING & WWT EQUIPMENT

Unozawa Rotary Blower

This is a Roots-Type Rotary Blower and Vacuum Pump adopting three-lobe rotors. With its high performance, low noise, and low vibration features.

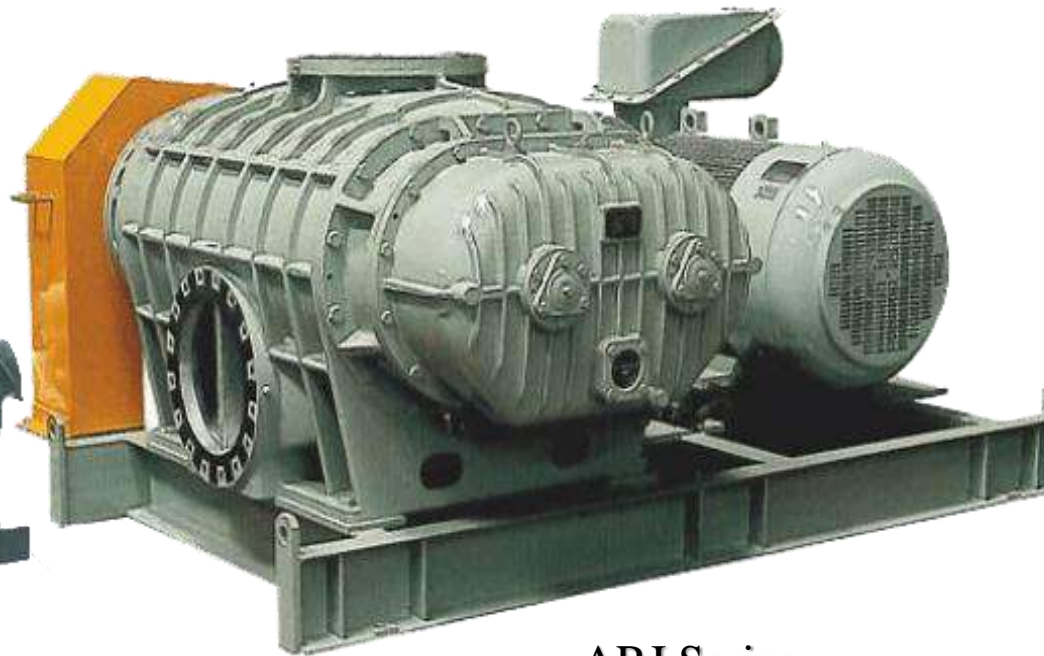


Unozawa

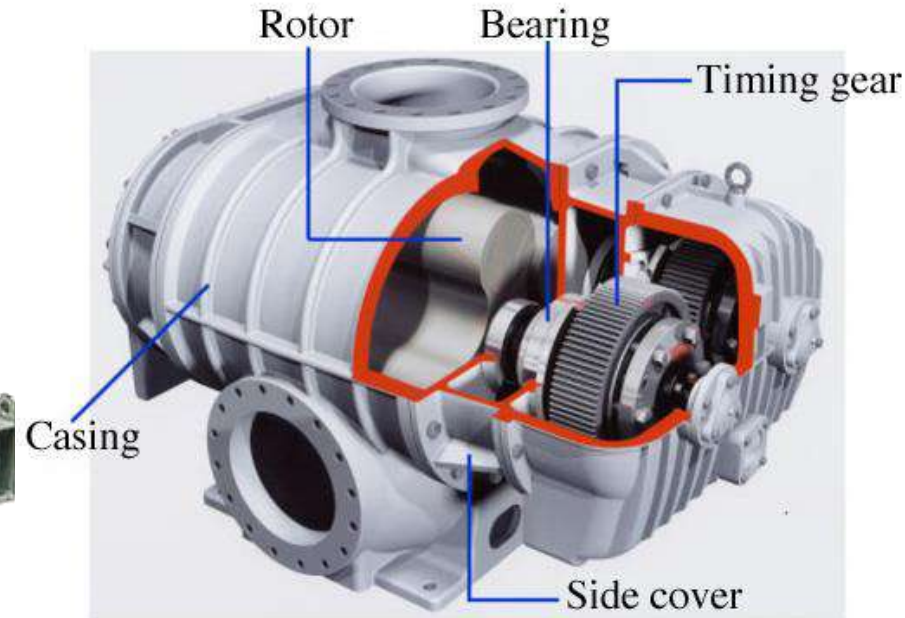
MADE IN
JAPAN



ARK Series



ARJ Series

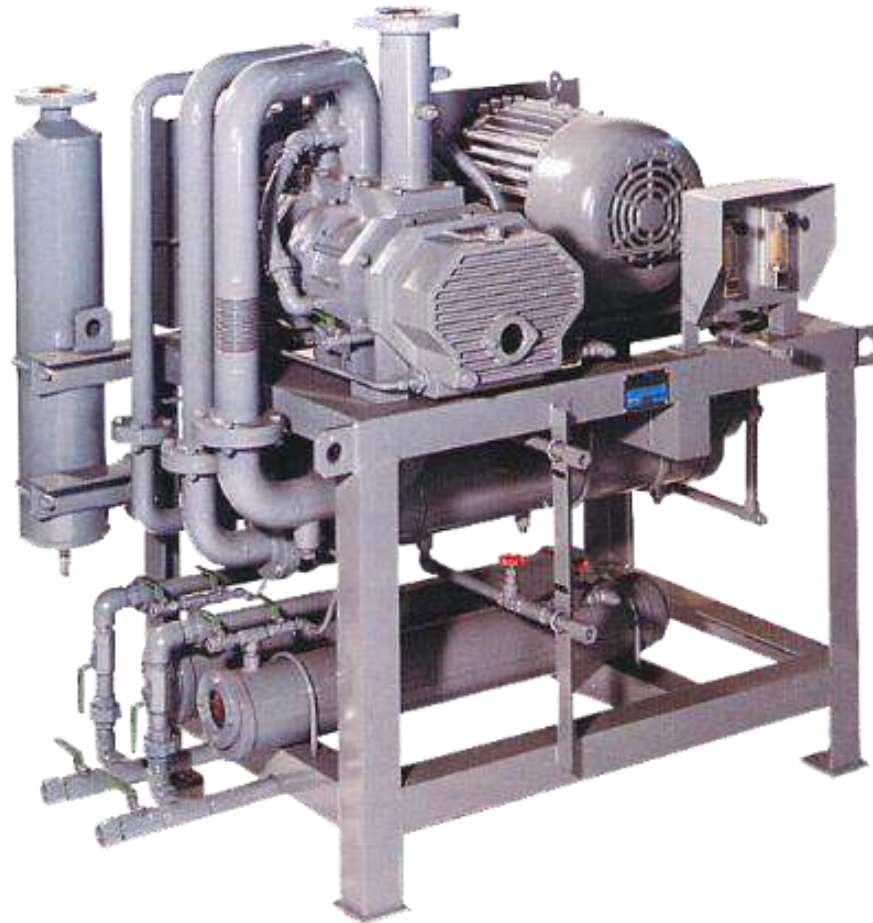


1. ROTATING & WWT EQUIPMENT

Unozawa Dry Vacuum Pump



TRV Series



TRM Series



The multi-stage Roots Dry Vacuum Pump that UNOZAWA has developed for the first time in the world has the outstanding feature of clean vacuum and power savings.

Because it uses no oil or water at gas contact areas, the product has various merits.



1. ROTATING & WWT EQUIPMENT

Atlas Copco Screw Blower

Atlas Copco



All the advantages of screw technology

Compared to lobe technology the oil-free screw blower ZS saves an average of 35-40% on your energy costs.

The complete package

Avoid unforeseen costs with our plug & play packages





T2 series :
125kW-230kW
167-335hp



TRE series :
375kW-950kW
500-1,266hp



TRX series :
900kW-1,800kW
1206-2,413hp

IHI Turbo Compressor

1.ROTATING & WWT EQUIPMENT

TURBOWIN Air foil Turbo Blower



CONTROL PANEL

SMART
USER INTERFACE



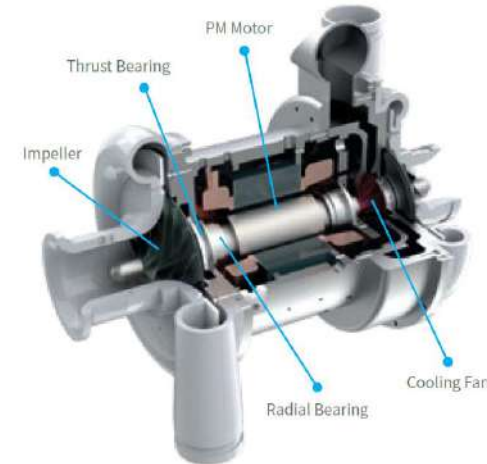
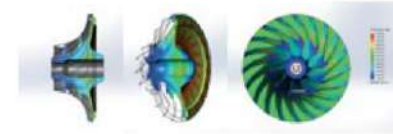
VFD.
COOLING SYSTEM

BLOW OFF VALVE

INLET
AIR FILTER SYSTEM

WATERPROOF
WITH RESISTANCE

ROTOR
LOCKING DEVICE

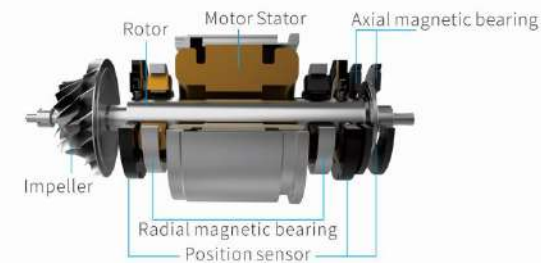
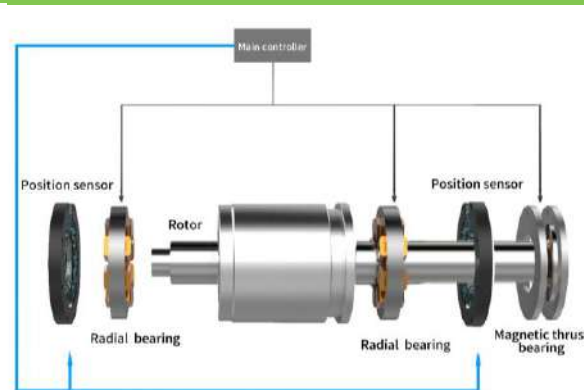


1. ROTATING & WWT EQUIPMENT

TR Maglev Turbo Blower



Horizontal Placement Structural of Maglev Motor
The leading level of the world



Rotor and impeller are connected directly
energy saving and consumption reduction



TR[®]
天瑞重工
精益求精



Control panel



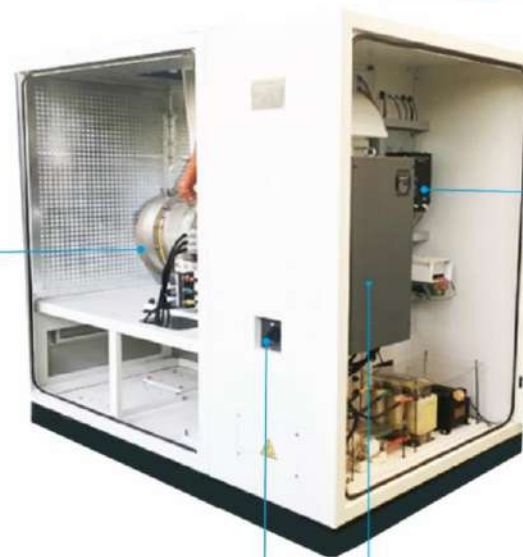
High-efficient filter



Mechanical part



Power switch



Magnetic bearing controller



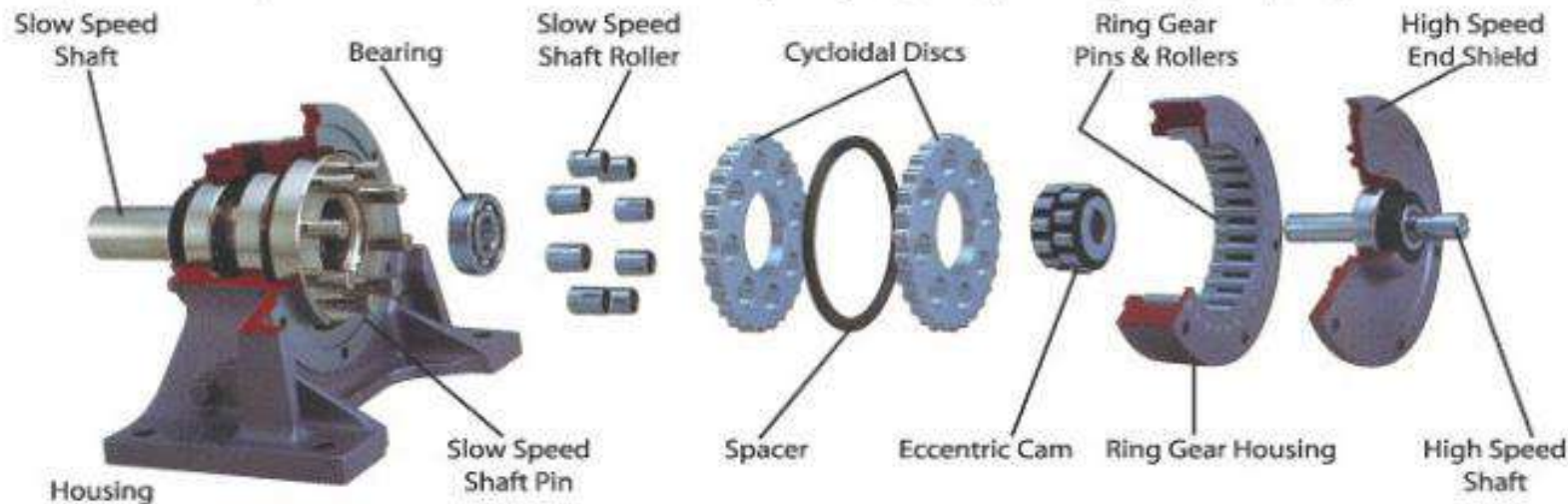
Frequency converter

1.ROTATING & WWT EQUIPMENT

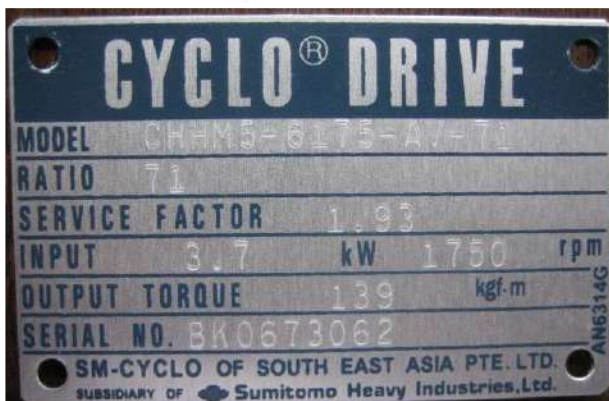
Sumitomo Gear Motor Cyclo Drive, Paramax

CYCLO® DRIVE MAJOR COMPONENTS

As the disassembled unit shows, **CYCLO®** drive can be easily disassembled and assembled for maintenance using simple hand tools. Furthermore, the number of parts are less than conventional involute gear system, thereby enabling savings on spare part costs.



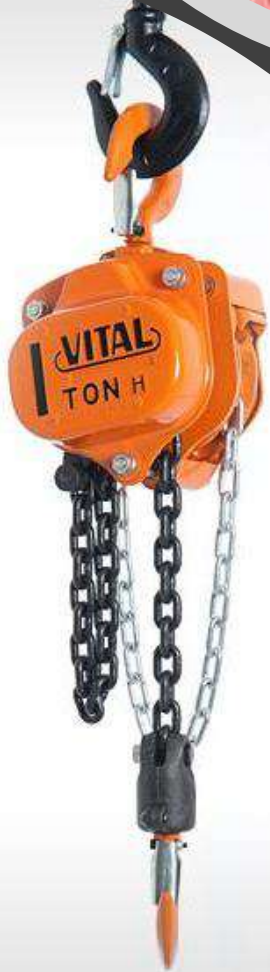
Sumitomo Drive Technologies
Always on the Move



3 PHASE INDUCTION MOTOR			CE
TYPE	F112M/4	3.7kW	
V	220 Δ	220-240 Δ	380-420 Y
Hz	60	50	50
A	12.9	13.0	7.5
1/min	1700	1420	1440
P. F. (cosφ)	0.89	0.84	0.84
IP55	INS. CLASS F	S1-CONT	40°C
			IEC34-1(1994)
SERIAL NO.		DATE	
SUMITOMO CYCLO DRIVE ASIA PACIFIC			
SUBSIDIARY OF Sumitomo Heavy Industries, Ltd. ES727WW-7			

Paramax 9000





1.ROTATING & WWT EQUIPMENT

Lifting gears, lifting fittings, steel construction



1.ROTATING & WWT EQUIPMENT

Other Rotating Equipment



• Mixers & Agitator



• Oil-sealed
Rotary Vacuum Pumps



• Gear Pump



• Rotary Vane Blower



• Fan & Blower



• Centrifugal Pumps



• Diaphragm Pump



• Diaphragm
Metering Pump



• Water Pump



• Water Pump



• Water Pump &
Oil Pump



• Water-Ring Vacuum Pump

1. ROTATING & WWT EQUIPMENT

Other Rotating Equipment



• Roots Blower



• Roots Blower



• Roots Blower



• Submersible Ejector



• Disc diffuser



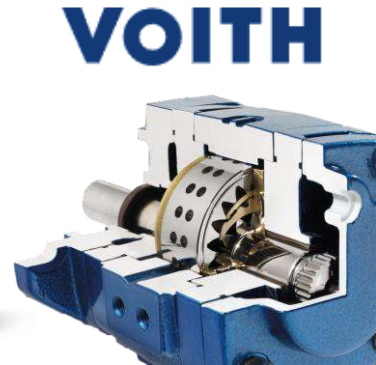
• Made to order Bio Media



• WWT Tank



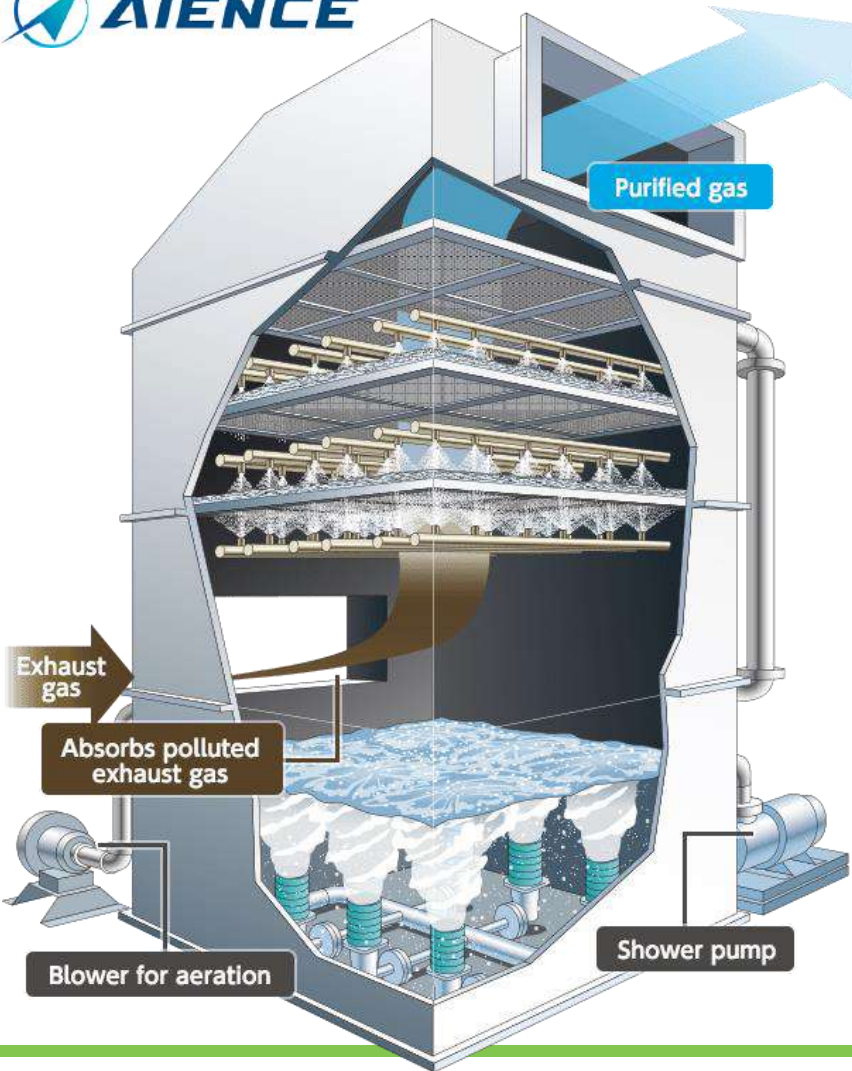
• Vacuum Pump



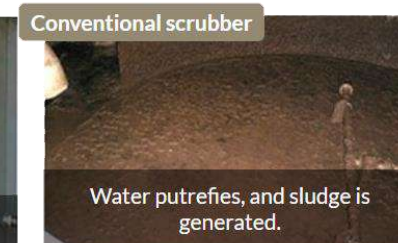
• Voith Gear Pump

2.SOLUTION SYSTEMS

AIENCE Scrubber Deoriser



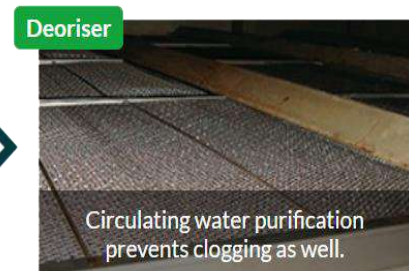
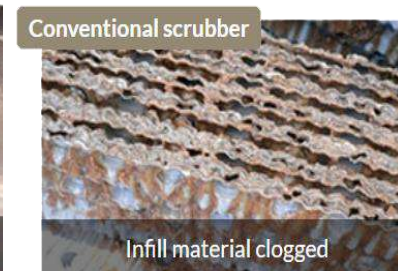
Easy-to-replace cartridge type.



The water film type Scrubber Deoriser prevents water from putrefying and makes sludge generation difficult.



High gas-liquid contact efficiency is realized by forming water film on screens.

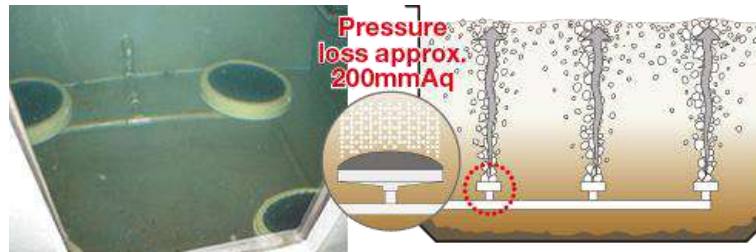
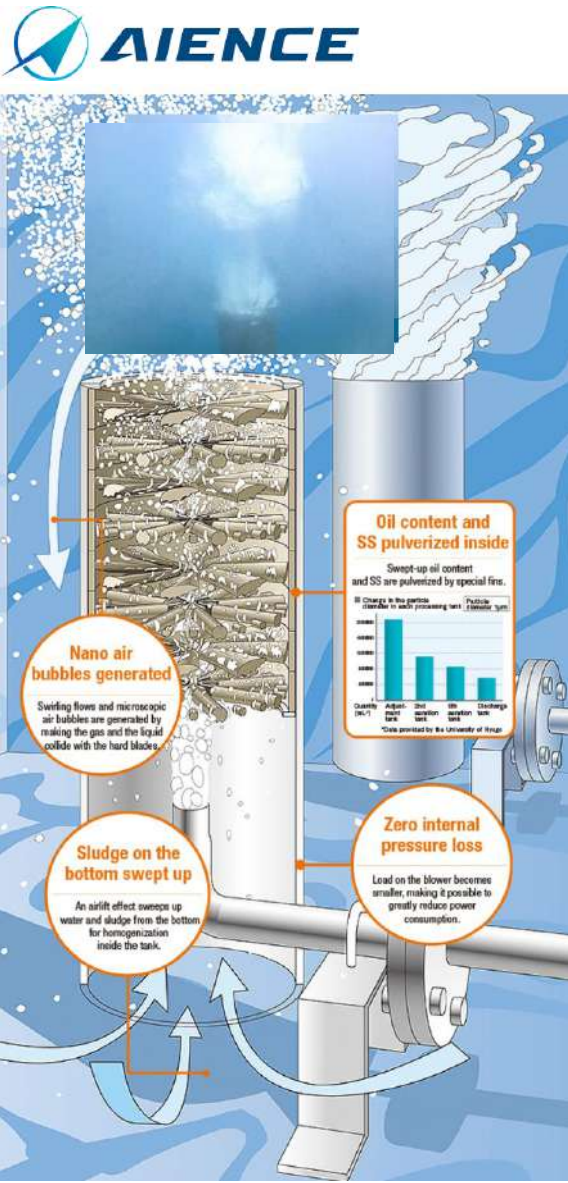


Hard to clog and makes pressure loss hard to change.

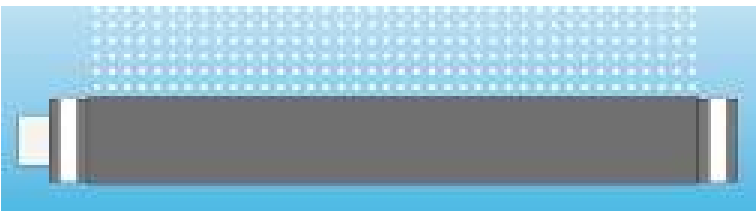


2.SOLUTION SYSTEMS

AIENCE Aquablaster Pipe Diffuser

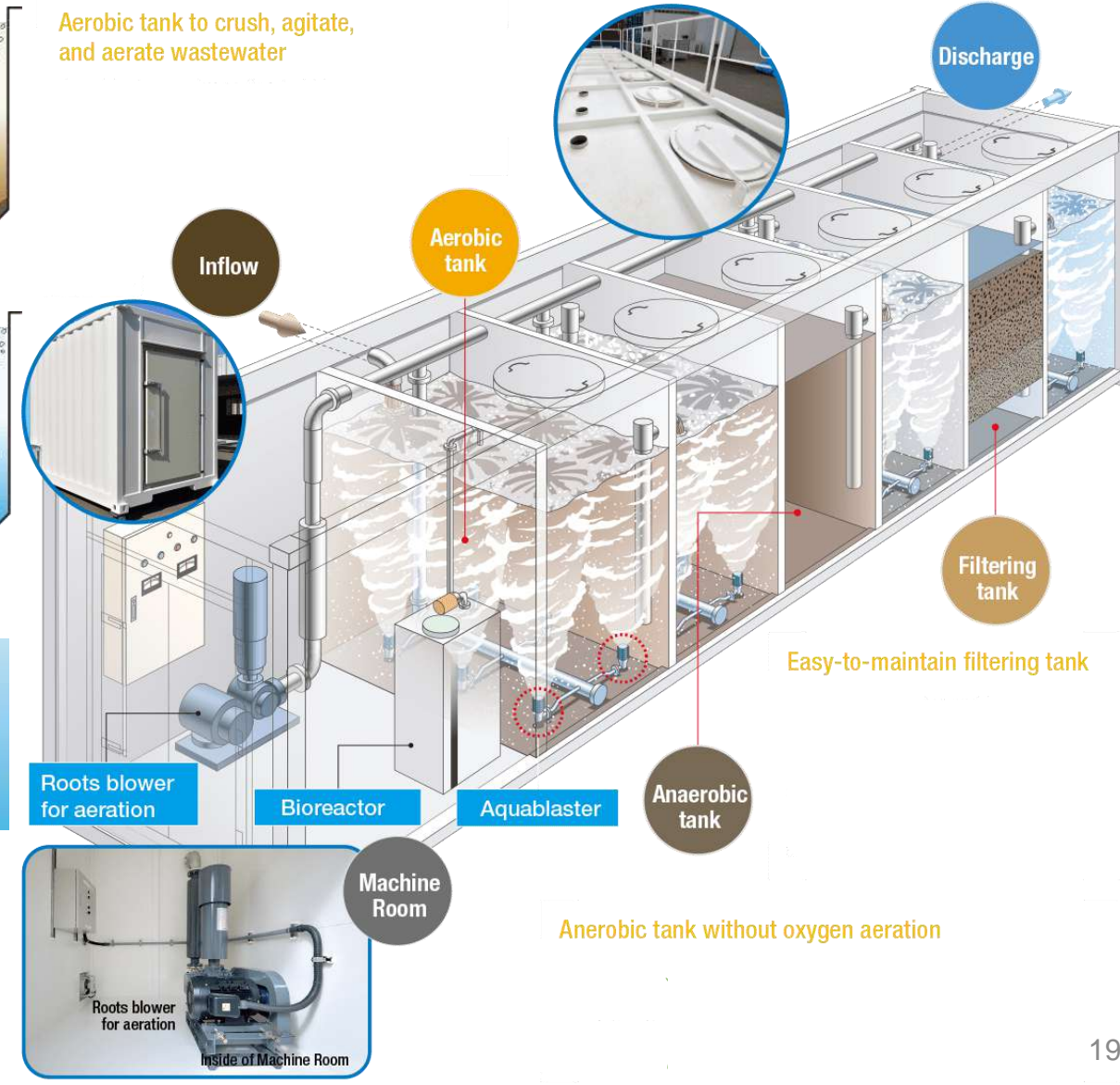


Disc-type diffuser



Electricity costs are even more greatly reduced compared to tube-type diffuser!

Aerobic tank to crush, agitate, and aerate wastewater



2.SOLUTION SYSTEMS

Dustresa : Dust Collector



Crusher

Dustresa

For collecting dust
generated by production equipment



Semiconductor
manufacturing equipment



CFA-110



CFA-H215C/T
CFA-H220



CFA-H240



CFA-H410,
CFA-H515



CFM Pulse jet-type

2.SOLUTION SYSTEMS

Mistresa : Oil Mist Collector

Mistrésa

For collecting mist generated by machine tools



NC lathe



Grinder



NC lathe



Parts washer



Grinding Machines



GRM Mist/Dust
Collector for
Grinding
Machines

Machining Center



CRM Horizontally
installed models



CRM Vertically
installed models



CRMH High
temperature mist



CRH Explosion-
proof type motor



CRL Large air volume

2.SOLUTION SYSTEMS

Absolute Gas Dryer

GAS DRYER/GAS DEHUMIDIFIER



Gas Dryer Unit
Air Cooled Type



Gas Dryer Unit
Water Cooled type

Why Biogas Dehumidifier?

Biogas obtained from the digester contains methane, carbon dioxide, hydrogen sulfide and other gases, as well as moisture and water mist. which when gas combines with moisture and water droplets Will cause acidic corrosive materials and equipment. cause damage

Gas Dryer/Dehumidifier Set will draw out the moisture in the biogas make dry gas Can be used to burn in a Boiler or Gas Engine. In addition to the reduced humidity in the biogas, it also makes the combustion more efficient as well.



2.SOLUTION SYSTEMS

Absolute Heat Pump



AIR TO WATER HEAT PUMP

Air to Water Heat Pump
Energy-saving hot water heaters
get "Cool Air" as a by-product.



WATER TO WATER HEAT PUMP

Water to Water Heat Pump, energy-
saving hot water heater
"Chilled water" is a by-product.



SWIMMING POOL HEAT PUMP

Heat Pump for swimming pool water
cause the water temperature to rise
Use in swimming pools, hydrotherapy,
spa ponds.



HEAT PUMP FOR FACTORY

Heat Pump for industrial plants,
various applications, reducing the
cost of heating water in production



2.SOLUTION SYSTEMS

Absolute Absorption Chiller



Hot Water Cooling

Use hot water from a heat source such as hot water from the Jacket's Engine (temperature should be more than 90 degrees Celsius) for cooling.



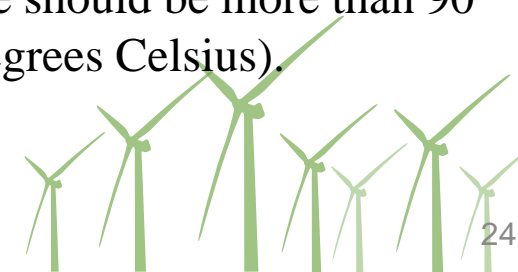
Exhaust Gas Cooling

Bring the heat from the exhaust (Exhaust Gas) to exchange heat with water through the Heat Exchanger and then bring the hot water to cool through the Absorption Chiller again.



Solar Cooling

Bring hot water from the hot water panel (Solar Collector) to cool (temperature should be more than 90 degrees Celsius).

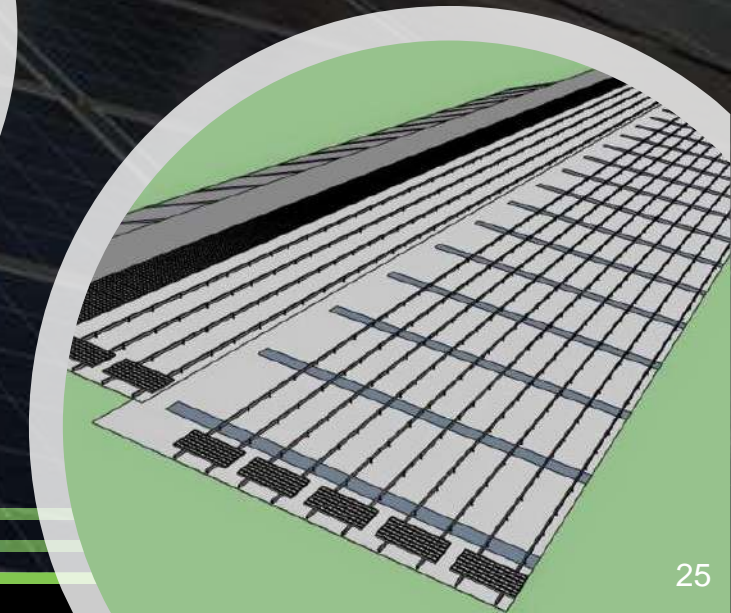


2.SOLUTION SYSTEMS

Solar Cell

We offered customer to using solar cells for saving electricity cost. by requesting information to calculate electricity consumption as follows

1. Please send electricity consumption AMR meter (Request for User / Pass) to check electricity usage information. If not, please ask for the electricity bill for the past 6 months - 1 year.
2. Please send building design, such as a roof structure, building design, so that the team can design the placement of solar cells.





2.SOLUTION SYSTEMS

TENT Products



2.SOLUTION SYSTEMS

TENT Products



A Warehouse using Membrane material realizes a comfortable space at low cost. Moreover, since expansion and relocation can be done in a short period of time, it is possible to fully utilize the land according to future designs.

FFU (Fan Filter Unit)



HEPA Filter Unit

CST-CUTE-10
(Air flow: ca.10m³/min)



CST-CUTE-20
(Air flow: ca.20m³/min)



ANTISTATIC
PU COATING
GLOVE



防静电PU涂层手套
ANTISTATIC PU COATING GLOVES

- 手臂导电距离: 10mm
Conductive distance on the back: 10 mm
- 手掌PU涂层防滑 Anti-slip PU palm coating
- 钢丝Sanitization: SMI

ETHANAL
99.99%



3. CLEAN ROOM PRODUCTS

GENERAL CLEAN ROOM PRODUCTS

3. CLEAN ROOM PRODUCTS SHODENSHA Microscope

SHODENSHA



TG200XM Multi-Function 2.0
Megapixel Hi-Vision Microscope



NSZ-405 Stereo Microscope



TG500CS 5.0 Megapixel USB Microscope

4.AUTOMATION

Automated Guided Vehicle (AGV)

TRACKLESS AGV

A trackless AGV (automated guided vehicle) using a laser range sensor eliminates labor shortages, heavy labor and simple work in the manufacturing industry. In response to needs, optional equipment such as Conveyors, cameras, and robots can be installed.



4.AUTOMATION

Factory Automation (FA)



IAI

The IAI product is a drive device composed of a ball screw, a linear guide and a servo motor and is the world's No. 1 Electric Actuator.



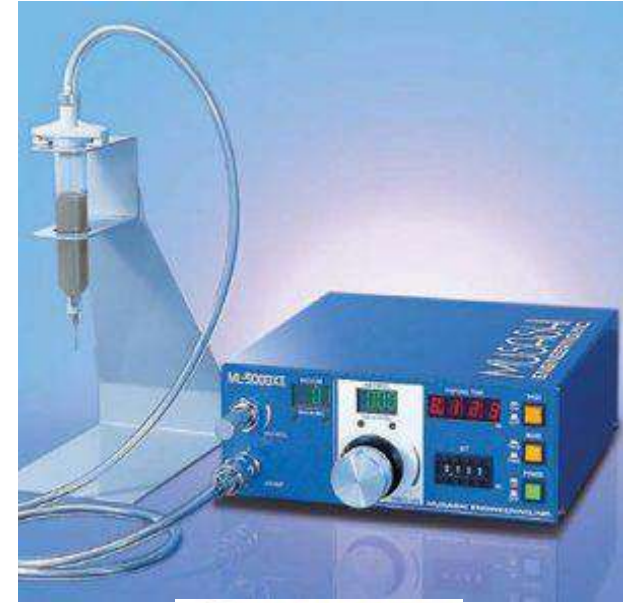
EPSON

Epson is the world's #1 SCARA robot with 65,000+ robots installed in factories around the world. Many leading manufacturing companies rely on EPSON Robots every day to reduce production costs, improve product quality.



NACHI

Nachi Robot is a world-class Japanese Robot brand, it has many applications such as Pick & Place, Machine Tending, Palletizing, Welding.



MUSASHI
ENGINEERING, INC.

Musashi Engineering is one of the world's leading manufacturers of the world's No. 1 Automatic Dispensing Unit, research development and production, sales. and develop a dispenser

4.AUTOMATION

Factory Automation (FA)

Auto Sealing Robot



RFID Inspect and Counting



Auto Bonding



CNC Loading Robot



Ring Insert Robot



Auto Spray Robot



4.AUTOMATION

Factory Automation (FA)

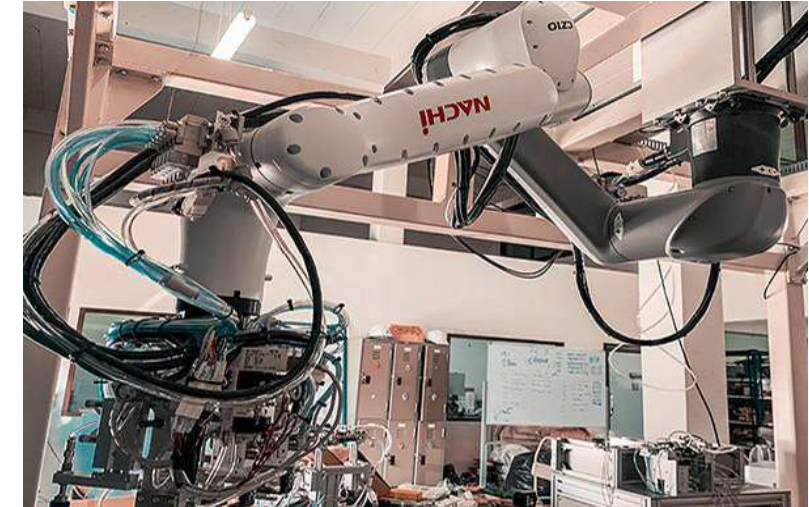
Cooperative Robot



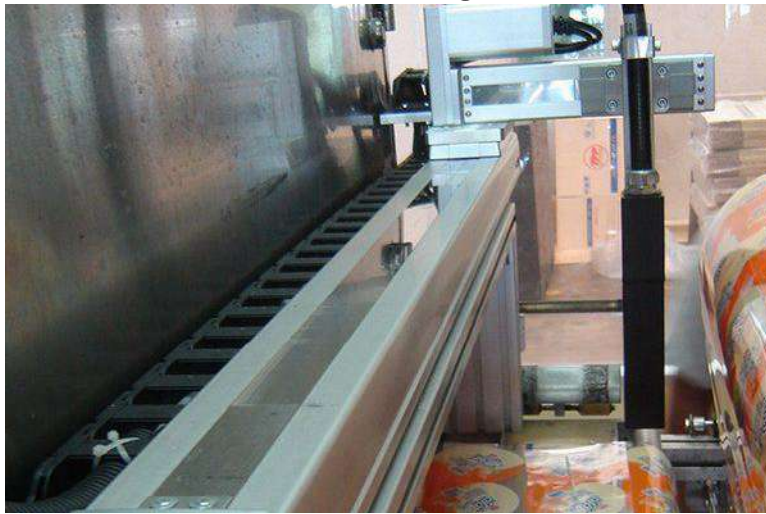
Pressing Unloading Robot



Unloading Molding Machine



InkJet Printing Robot



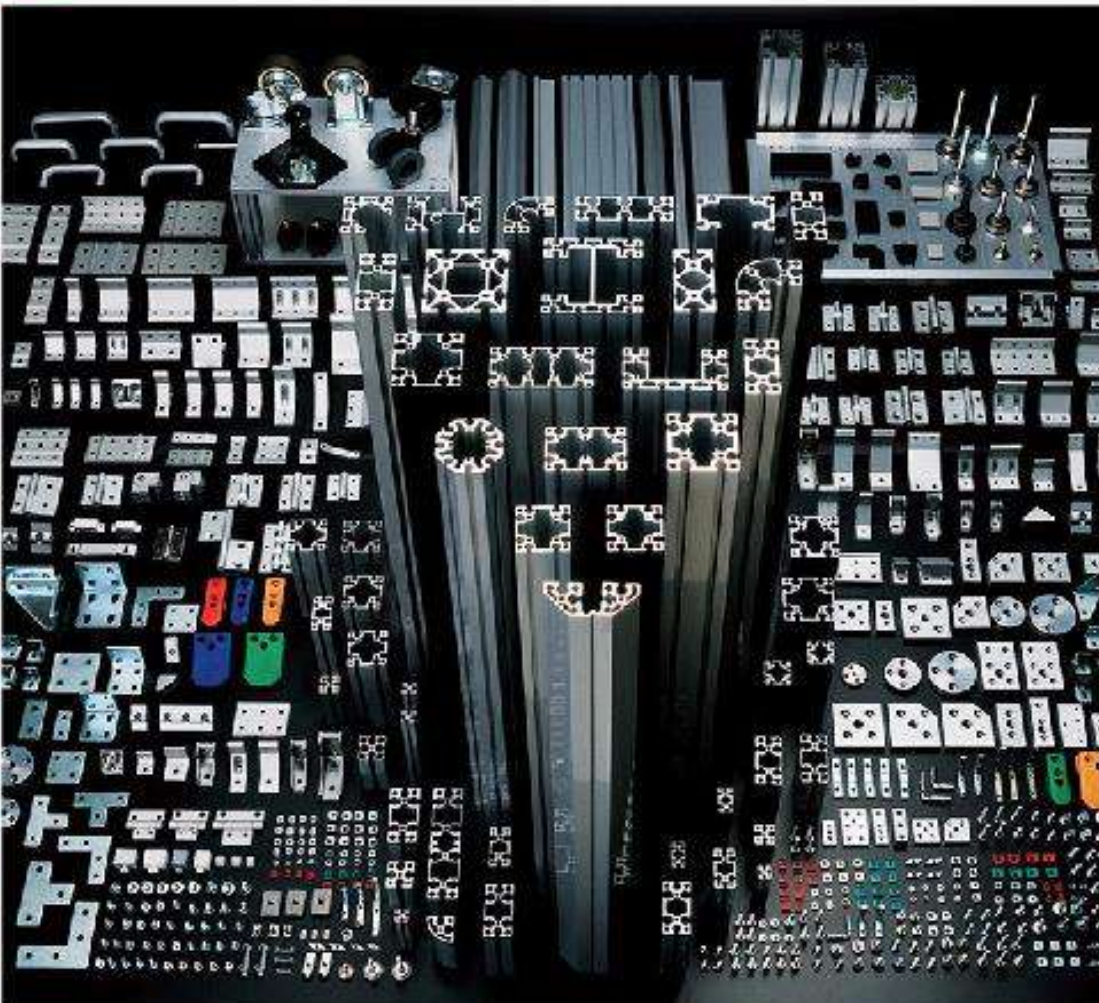
Pressing Unloading Linear



4.AUTOMATION

NIC Aluminum frame

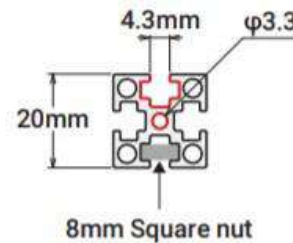
ALFA FRAME[®] SYSTEM



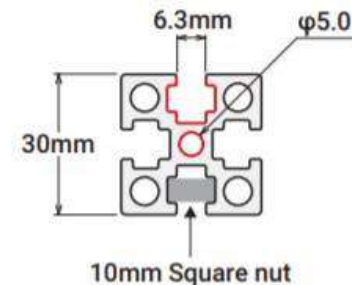
Aluminum frame does not require welding, hardening or painting! Aluminum frame is lightweight but flexible and durable.

The ALFA FRAME can be easily assembled by simply fixing the bolt between the workpiece and the machine structure. Lighter and more durable than steel construction And the alumite coated aluminum finish is also beautiful for a long time.

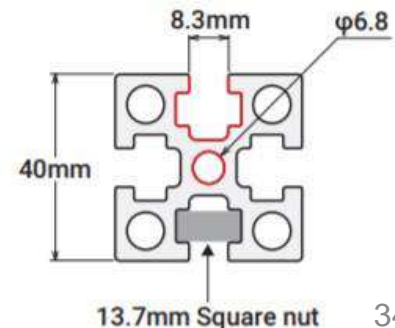
M4 series



M6 series

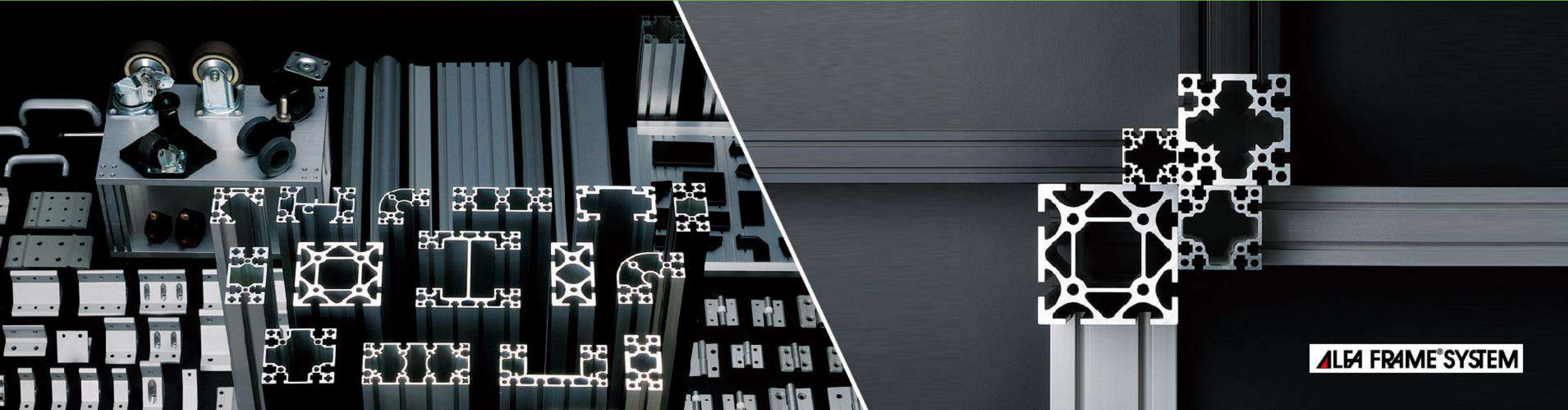


M8 series



4.AUTOMATION

NIC Aluminum frame



4.AUTOMATION

Conveyor

MODULAR CONVEYOR



DRIVE ROLLER CONVEYOR



APRON CHAIN CONVEYOR



RUBBER BELT CONVEYOR



DRIVE CHAIN CONVEYOR



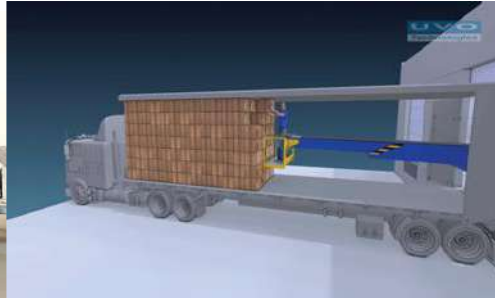
FLEXIBLE ROLLER



DOUBLE DRIVE ROLLER



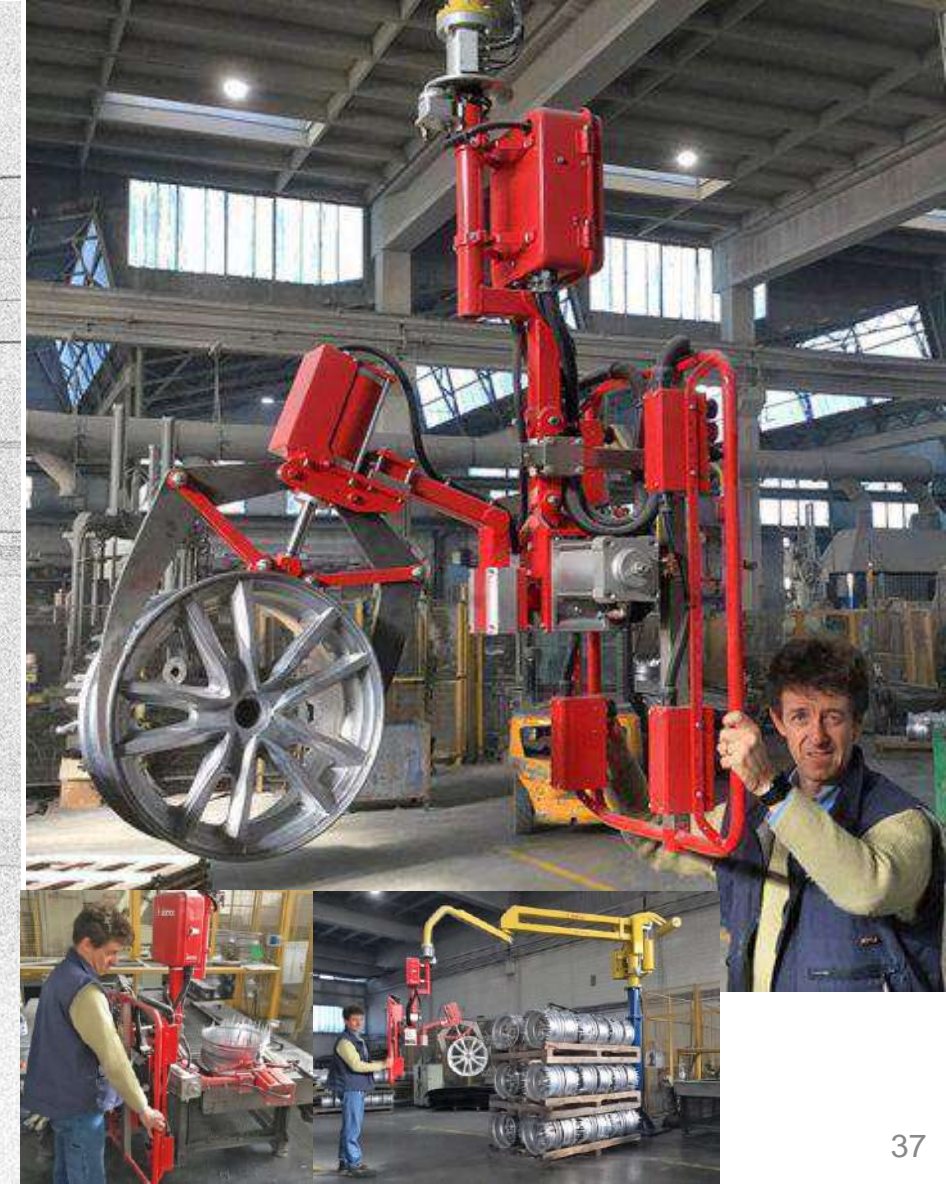
TELESCOPIC CONVEYOR



SCRAPER CONVEYOR



4.AUTOMATION AIR BALANCER



4.AUTOMATION Inspection Systems

We are distributor of high quality machine vision products. Software vision and automatic product quality inspection machine. We have a professional team ready to advice and a lab for product testing to be sure before ordering

เครื่องตรวจสอบการทำ Seam กระป๋อง (Double Seam Inspection)

ออกแบบมาเพื่อตรวจความบกพร่องของ Seam กระป๋อง

Features:

- CHECK COMPLETENESS OF SEAM ASSEMBLY UP TO DIAMETER 100 MM
- SMALLEST DEFECT : 0.3 MM, MAX SPEED: 450 PCS/MIN
- AUTOMATIC REJECT SYSTEM AND EXTERNAL SIGNAL FOR STOP MACHINE AND DATA LOGGING SYSTEM

คุณลักษณะ:

- สามารถตรวจสอบการประกอบ Seam ของกระป๋องได้ถึงขนาดเส้นผ่านศูนย์กลาง 100 mm
- สามารถตรวจสอบการเลือกรูปกระป๋องได้ถึงขนาด 0.3 mm ความเร็วสูงสุดในการตรวจสอบที่ 450 กระป๋องต่อ นาที
- มีระบบเป่ากระป๋องออกโดยใช้ลม ที่มีความแม่นยำและความเร็วสูง และสามารถส่งสัญญาณให้กับระบบของลูกค้าเพื่อทำการหยุดสายการผลิต รวมทั้งเก็บข้อมูลภาพและ ค่าการตรวจสอบได้





Shot Blasting



Dust Collector



4.AUTOMATION NICCHU Blast Machine



4.AUTOMATION

High-Speed Sheet Shutter and Semi Auto Swing Door



4.AUTOMATION PVC Curtain and Sliding Door



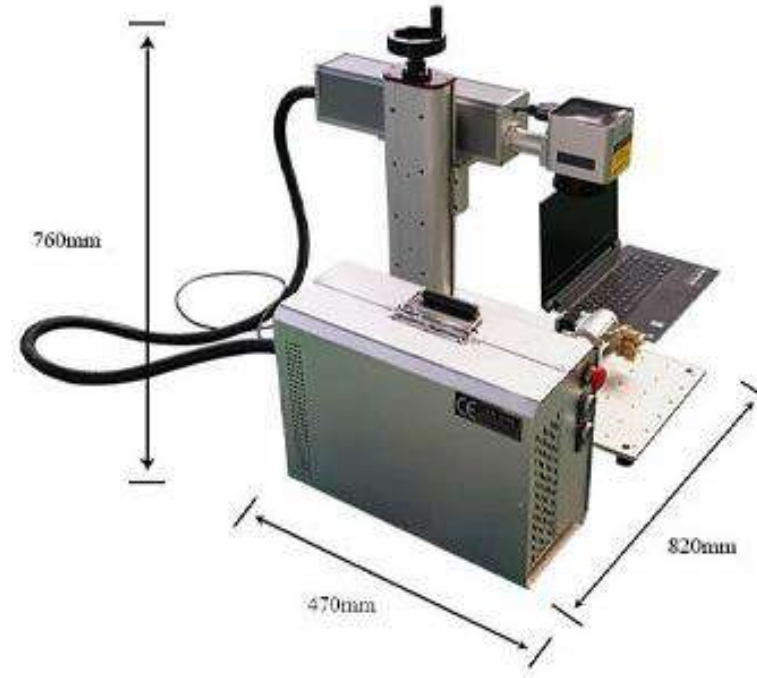
Laser clean HERO 100 200 500



CO2 Laser Cutting



Fiber Laser Cutting
1000W-6000W



Portable Mini Desktop Fiber
Laser Marking



Jewelry Laser Welding

HEROLASER

4.AUTOMATION Hero Laser Cutting Machine

Thermal Shock Chambers



Temperature Chambers



Temperature (& Humidity) Chambers

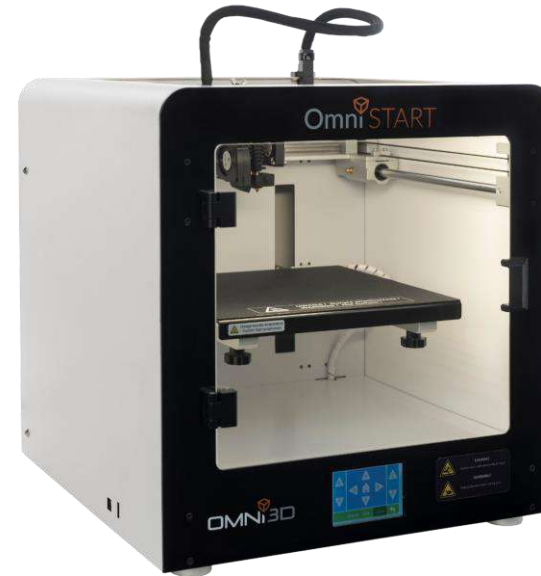


Quality is more than a word

4.AUTOMATION ESPEC Test Chambers




OMNI3D
Industrial 3D printing



4.AUTOMATION OMMINI3D 3D Printer

4.AUTOMATION

Other Automation / Machine

AMADA
AMADA WELD TECH



Laser Welding Systems

**ANEST
IWATA**



Spray Gun

BUNRI



Coolant Filtration

CKD



Pneumatic Cylinders

CONVUM



Vacuum Pad

FANUC



ARM ROBOT

Orientalmotor



Motor & Accessories

AI Holdings Group
GRAPHTEC
Petit LOGGER GL100



Data Logger

NITTOSEIKO



Screw Driver

JAPAN
FAWICK
日本フイウエック株式会社



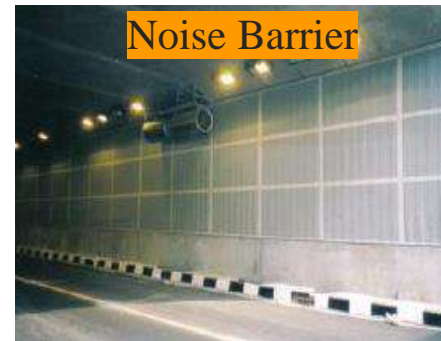
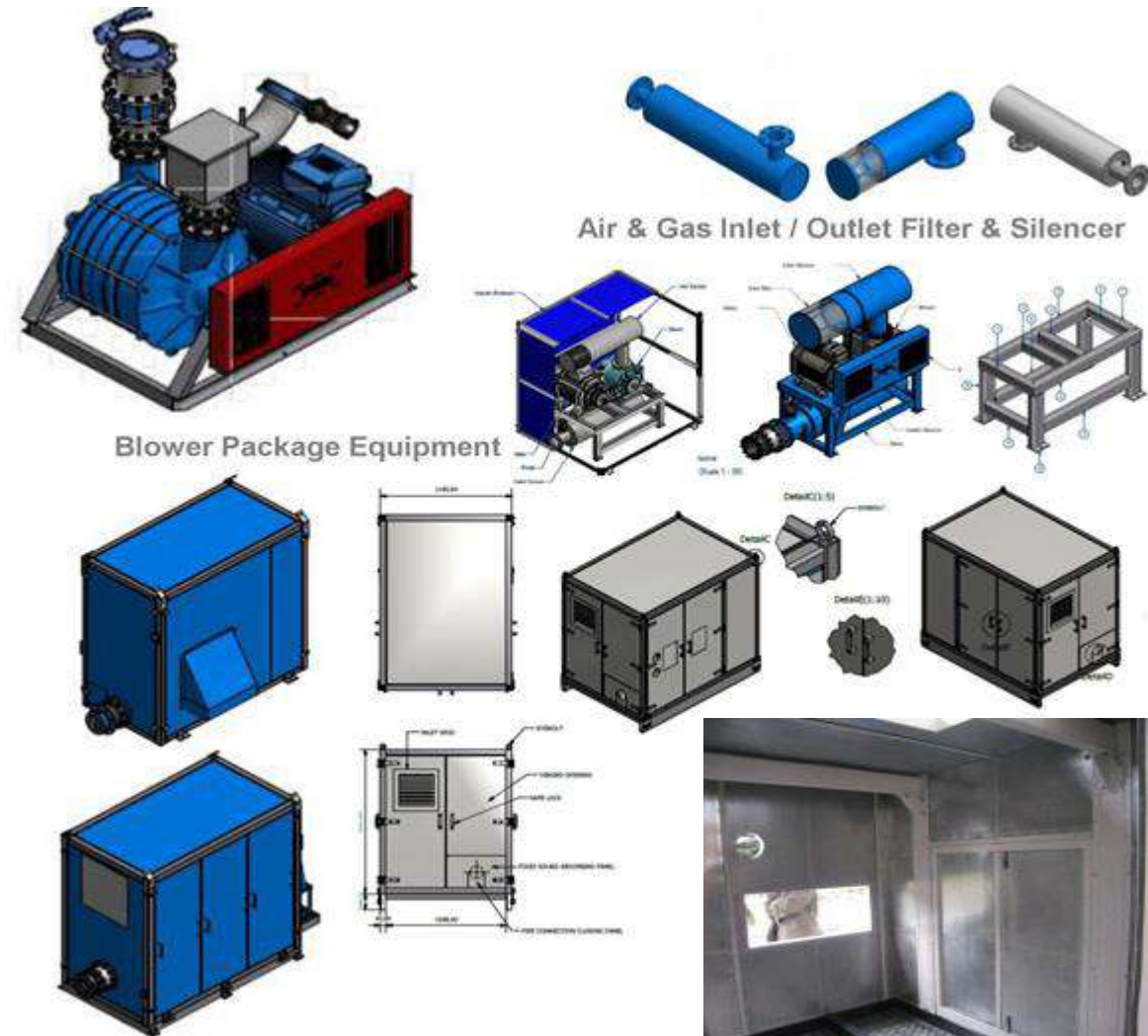
Airflex Clutch & Brakes

5. MADE TO ORDER

Jig Fixture & Special Tooling



5. MADE TO ORDER Acoustic Enclosure



5. MADE TO ORDER Fabrication work



Construction of a battery charger



Construction of 120 cubic meters
of carbon powder storage silo



Component (devices in the system)



Cyclone construction for use in
flour transportation systems



Piping Work

5. MADE TO ORDER Fabrication work



Piping system, absorbing carbon powder



Installation work



PACKING NATIVE STARCH
system improvement work



Construction Warehouse



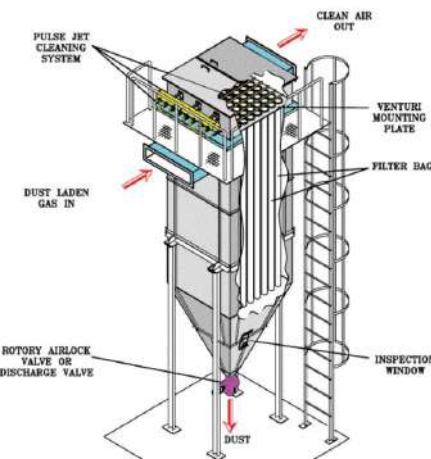
Vacuum cleaner maintenance



Plastic pellet transportation system
from sea bulk cars up to Silo



(PULSE JET TYPE) BAG FILTER



5.PARTS & ACCESSORIES OF BLOWER & VACUUM PUMP

Bearing



Gasket



Oil Seal



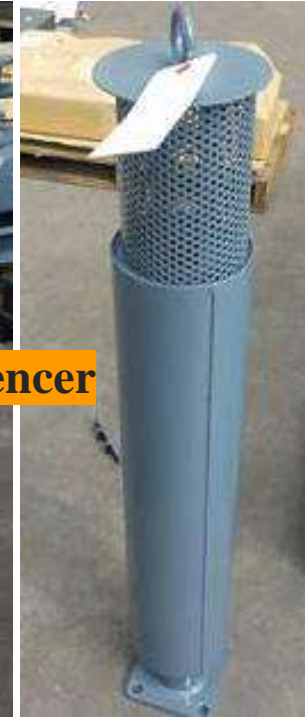
Mechanical Seal



O-Ring



Silencer



Pulley, V-Belt



Motor



Slide Motor



Rotary Valve



Vacuum Gauge



SAFETY VALVE

5.CONSUMABLE PARTS

INDUSTRIAL FILTER MADE TO ORDER

Pre Filter

Can collect dust from 1 - 10 microns up to 99%

Made to order



รับผลิตและจำหน่ายไส้กรองอุตสาหกรรมประสิทธิภาพสูง ออกแบบให้ใช้งานในอุตสาหกรรม เหมาะกับโรงงานอุตสาหกรรมในราคาย่อมเยา



THIS IS RELIABILITY



SUCTION FILTER



HYDRAULIC FILTER



STRAINER FILTER



AIR FILTER



OIL FILTER



CARTRIDGE FILTER



HEPA FILTER



PER FILTER



CARBON FILTER



MEDIUM FILTER



POCKET FILTER



WATER FILTER

5.REPAIR PARTS

Such as : Mechanical Seal

Ex. Repair Mechanical Seal Component Seal and Cartridge Seal-Agitator

1.Change or
Lapping Rotary – Stationary

2.Change O-Ring

3.Change Spring

4.Change / Repair Sleeve for
Carbon/
Silicon Carbide/
Tungsten Carbide/
Ceramics



***** Warranty 6 months - 1 year *****



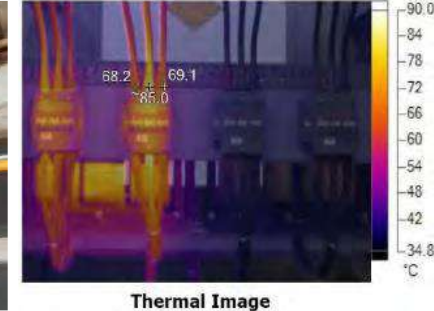
5.CHECK MACHINE PERFORMANCE TEST / YEARLY PM



Air Compressor Performance Measurement
and Air Leakage Monitoring



Performance measurement of Steam Boiler,
Hot Oil Boiler and Furnaces



Measurement and certification work for
electrical system safety



Performance measurement of water chillers
and air conditioning systems



Performance measurement of blower,
water pumps and fire pump



Working in confined spaces



5.MAINTENANCE SERVICE

Overhaul for Motor 100HP 75 kW



5.MAINTENANCE SERVICE

Overhaul for Motor 220 HP 160 kW



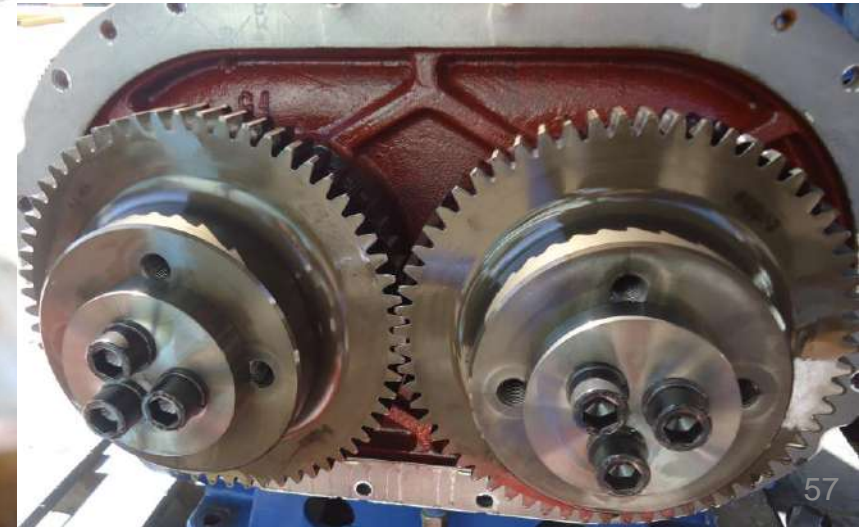
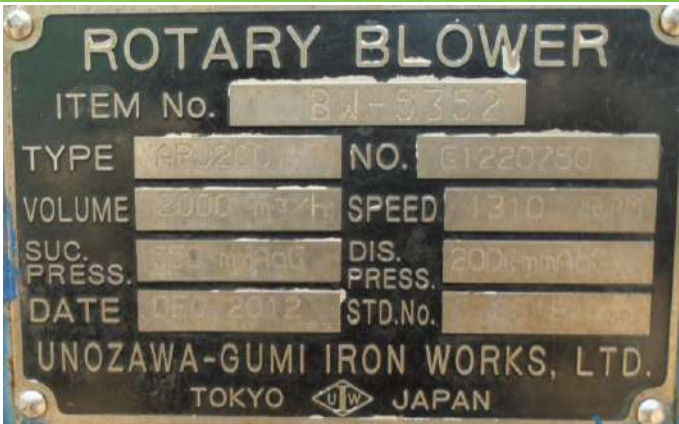
5.MAINTENANCE SERVICE

Overhaul for Unozawa Rotary Blower VRJ1502



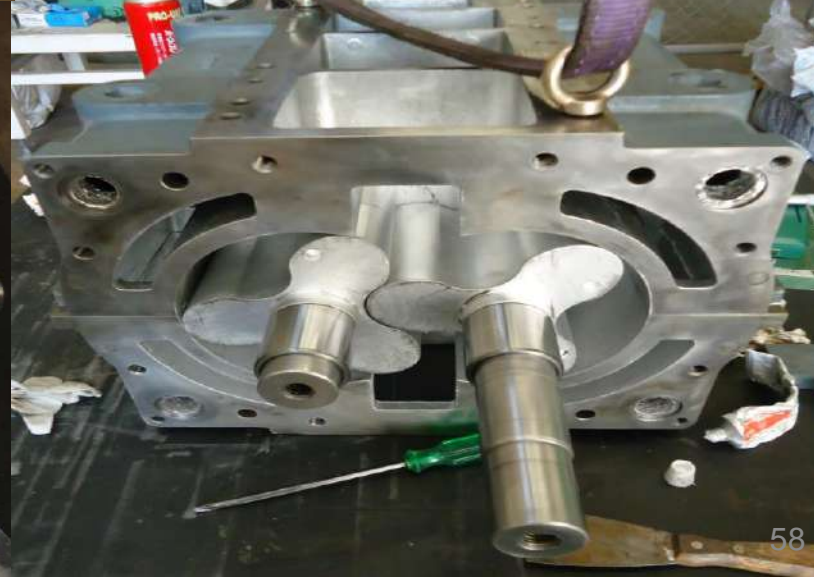
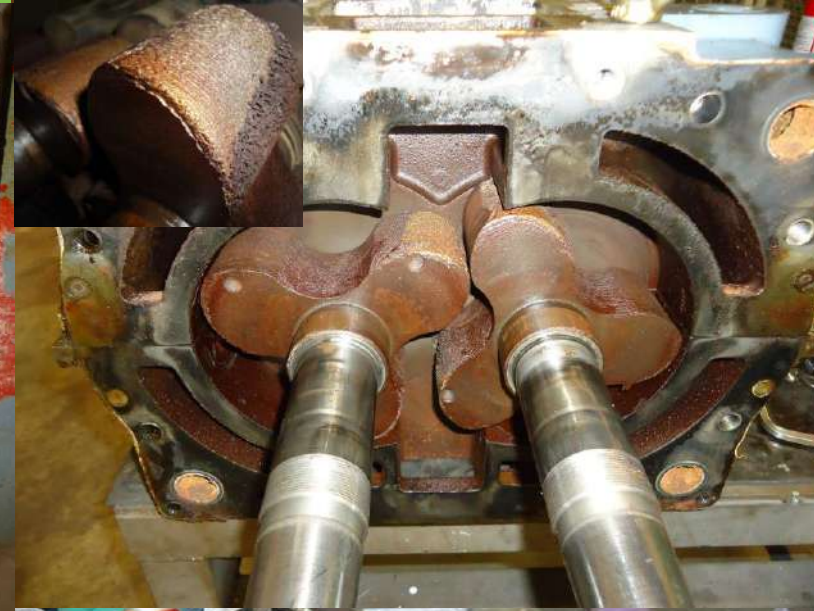
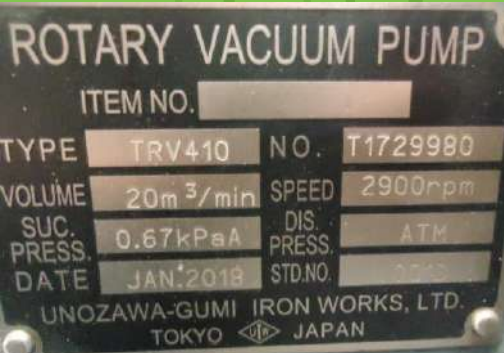
5.MAINTENANCE SERVICE

Overhaul for Unozawa Rotary Blower ARJ2001



5.MAINTENANCE SERVICE

Overhaul for Unozawa Dry Vacuum Pump TRV410



5.MAINTENANCE SERVICE

Overhaul for Unozawa Dry Vacuum Pump TRM0403





SIMC Maps
Office : 2nd floor
Head office building.

