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TICA GENERAL CATALOGUE

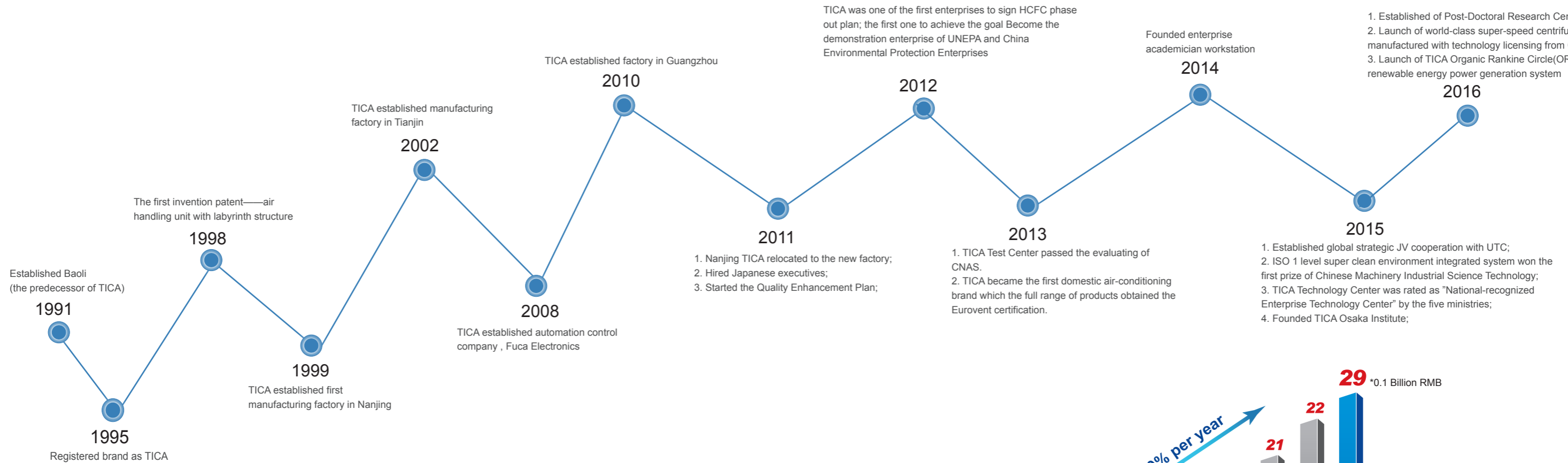
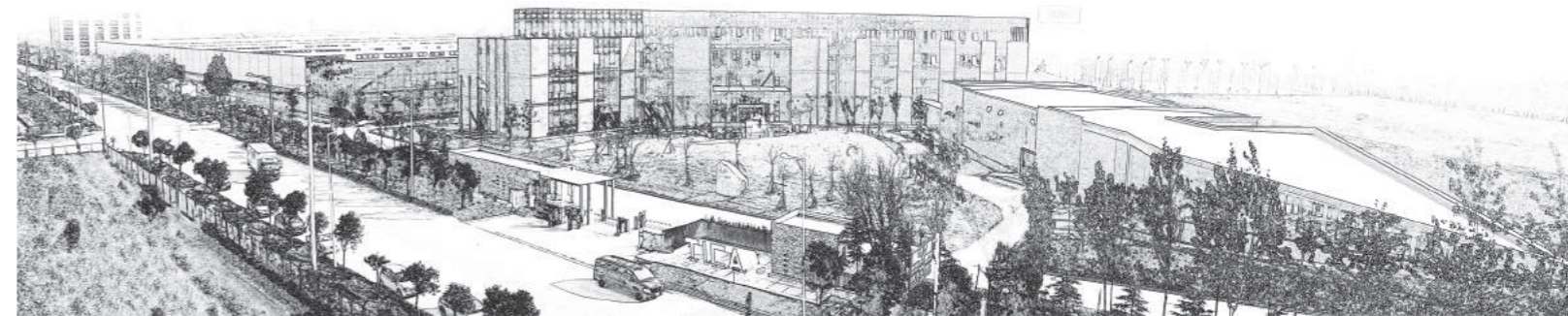
TICA AIR-CONDITIONING

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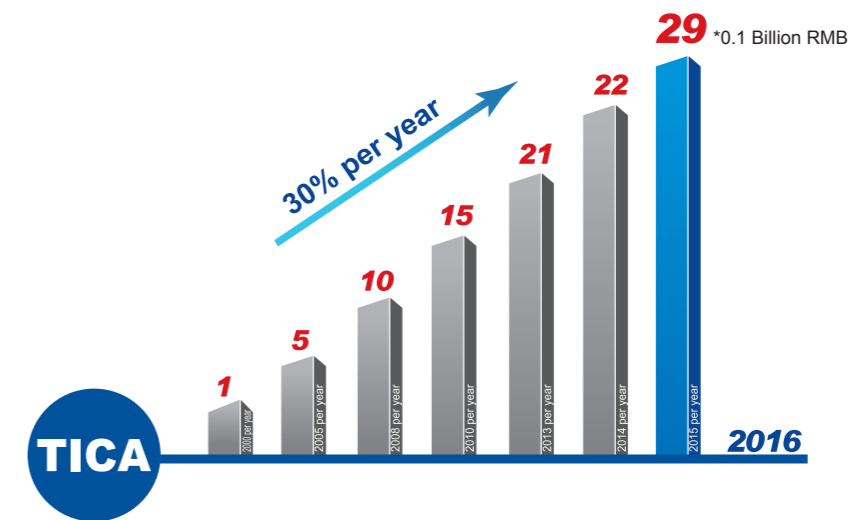


TICA have been making an implement of continuous quality improving program. In cooperation with senior manager team and professional expertise from Japan, TICA have evolved not only R&D and processing engineering standard, but also manufacturing, quality control and after sales service system. After ten years' unremitting efforts, TICA guarantees the clients high quality products comparable to Japanese manufacturing standard.



It is about YOU!

Nanjing Tica Air Conditioning Co.Ltd. have assembled a team of highly Qualified Professional in both Design and Manufacturing of Central Air Conditioner. We are here to serve you with total system solution. Apart from creating a comfortable environment, our solution is both cost and energy saving. It is YOU that enable us to grow rapidly to become the rising star in the Air Conditioner Industry in China. The company is full of vitality and toward realising it full potential.



N J new factory



T J factory



GZ factory



CD factory



It is about PEOPLE

TICA pay attention to the cultivation of talents,we believe through continues improvement and innovation,we can produce better products and service.Humanized management to make sure TICA has professional technical and management team.Lay the foundation to become first-class modern enterprise.

Morning meeting



Experts training



Tug of war



CE



EUROVENT



AHRI



ISO14000



OHSMS18000



Green Building Design

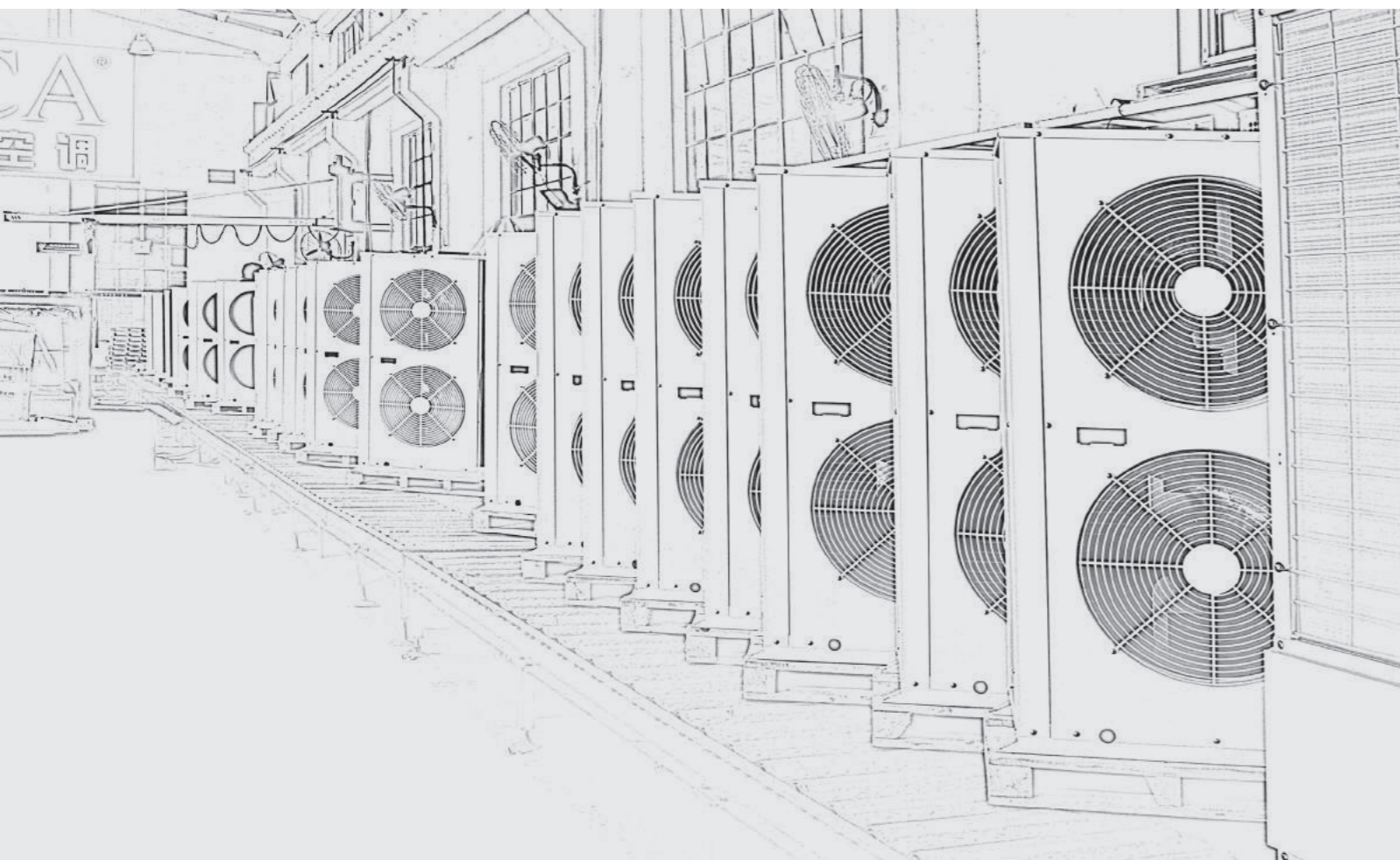
It is about CARE and GIVING

TICA is ever conscious that we are part of the global community. We are well aware of our role and responsibility for Society Our service to society reaches far and widely. We participate in many welfare projects and public activities such as rebuilding school; supporting needy student and victims of Wen Chuan Earthquake and the Japanese Tsunami.

It is about Environment

Our R&D is focus on Energy Conservation and Eco Friendly Manufacturing Practices. We are work hard to implement the latest Energy Conservation Ideas such as refrigerant recycling system and Geothermal technology.

Spirit of employee



Unitary product assembly line



Air-side product assembly line



Leak detection systems (Helium)



Chiller assembly line



Sheet-metal workshop (murata, Japan)



Automatic painting line (wagner, Germany)

Improvement plan

It is about CONTINUOUS IMPROVEMENT

To be a world class manufacturer we started the company wide quality improvement program in 2011. We engaged a team of highly Experienced and Qualified Managers to Manage our manufacturing and quality activities. The combination of experienced experts and our present young and enthusiastic managers will ensure that our products quality are world class.



Air-cooled test lab up to 350RT



Water-cooled test lab up to 2000RT



Water resistant test lab

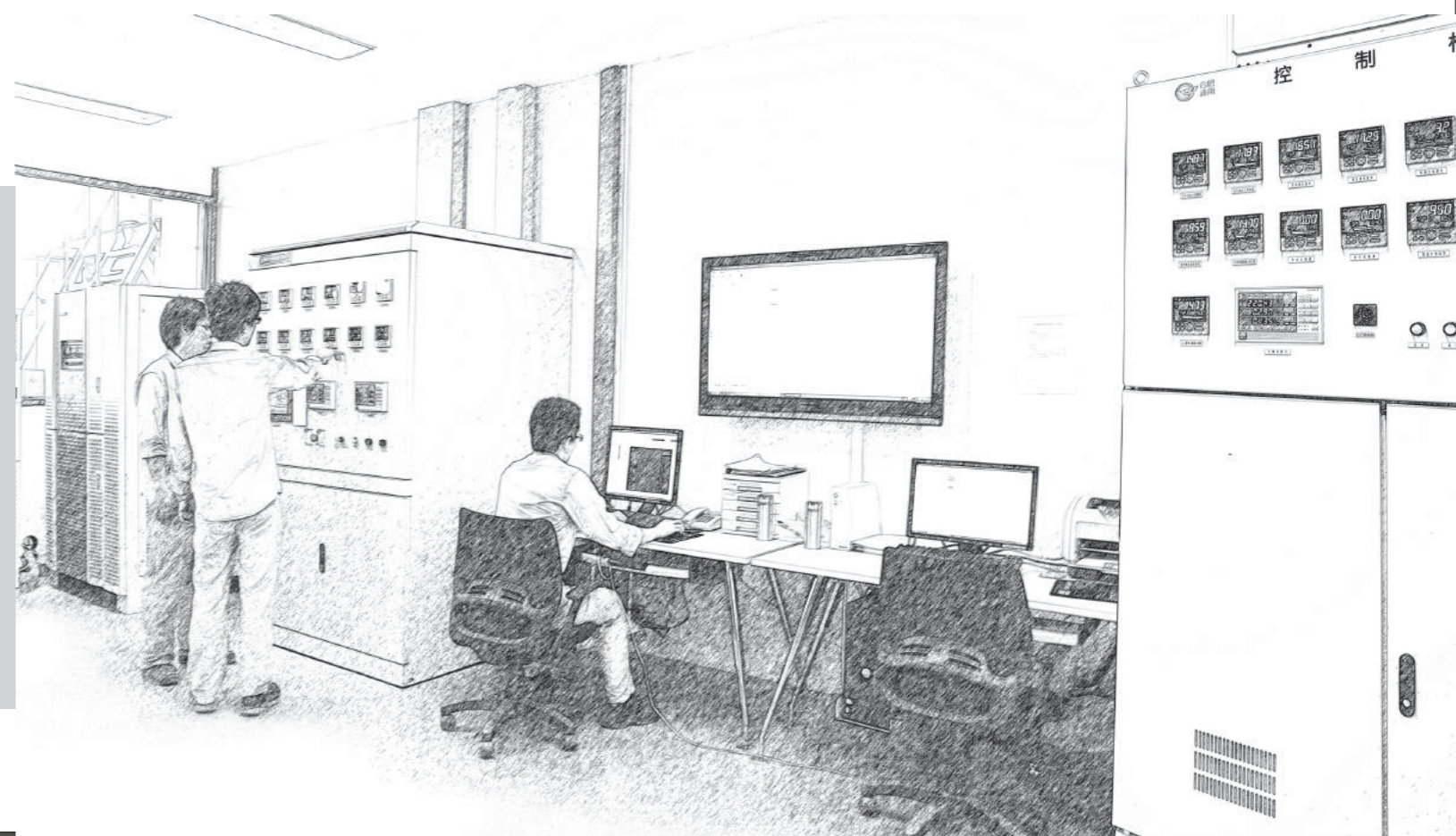


Logistic simulation platform

It is about QUALITY

Every product leaving the factory are made with the latest Manufacturing facilities. A combination of On-line testing equipment and a stringent QA/ QC system will ensure the products are made with the highest quality and consistency. Besides we have invested 20 laboratories of International standard. This will make us to be able to push technological barriers.

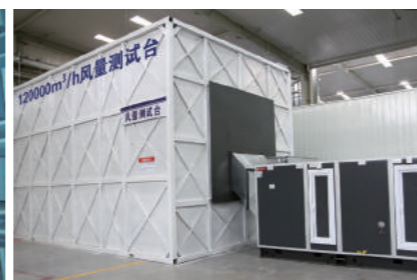
In order to increase our quality, we have formed strategic partnership and alliances with Companies that are best in the business both locally and internationally.



TIMS test lab (Japanese standard)



Acoustic test lab(Background noise 11.5dB)



Air flow test facilities(AMEC standard)



Centralized storage system



Low/high temperature test room(-25~55°C)



Performance test lab (enthalpy-difference method)

R & D Center



Canteen



Sports center



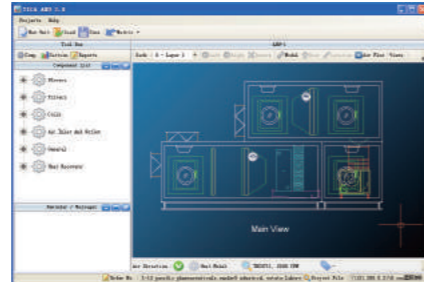
Service & monitoring center(400)



Logistics system



Showroom



AHU selection software



Quality of services

It is about TRUST

Sincerity is the cornerstone of our business philosophy. We demand that everyone in Tica must work with other with RESPECT, INTERGRITY, GOODNESS HONESTY and TRUST. We call it RIGHT-Doing the thing RIGHT and doing the RIGHT thing. To ensure compliance we have a comprehensive system employee education. Through regular meeting and audit we make this policy an integral part of our company. To build customer trust we have an extensive sales and service network providing design, selection, installation consultation.



MODULAR AIR-COOLED CHILLER (HEAT PUMP)

Commercial Products

- Mini air-cooled chiller(Heat pump)
- Modular air-cooled chiller(Heat pump)
- Air-cooled ducted split type/cassette type air conditioner
- Air Source Heat Pump Water Heater
- Rooftop
- Water source heat pump
- Water cooled floor standing unit
- Light commercial unit

Products

AIR-SIDE



- Fan Coil Unit
- Modular Air Handling Unit
- Standard Air Handling Unit
- DX Modular Air Handling Unit
- Heat Recovery Air Handling Unit



FAN COIL UNIT



MODULAR AIR HANDLING UNIT

TICA has been the NO.1 in China Market share for AHU design, manufacture and sales



WATER-COOLED SCREW CHILLER

- Water-cooled Centrifugal Chiller
- Falling-film Centrifugal Chiller
- Water-cooled Flooded Screw Chiller
- Water Source Screw Heat Pump
- Water Source Flooded Screw Chiller
- Modular Water-cooled Chiller (Heat Pump)
- Air-cooled Screw Chiller (Heat Pump)

TICA Inverter Multi System

Developed and designed by Japanese specialist

TIMS-ODU

High efficiency;
High reliability;
Convenient application;
Widely application range;
AHU kit for option

TIMS-X
Combination
modules

8-12HP 14-16HP 18-22HP



TIMS-S
Independent
modules

8-12HP 14-16HP 18-22HP 26-32HP



Mini-VRF

AVI compressor;
Four-layer purification;
Omni-directional noise control ;
Intelligent control system

Mini-VRF

10-16kW



TIMS-IDU

| | | Product Lineup-Indoor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------------------|-----------------------|--------------|-----|-----|-----|-----|---|-----|---|-----|-----|-----|---|---|----|------|------|----|----|------|----|------|----|----|----|----|----|----|----|--|
| Model | Type | Photo | Capacity(kW) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.2 | 2.5 | 2.8 | 3.2 | 3.6 | 4 | 4.5 | 5 | 5.6 | 6.3 | 7.1 | 8 | 9 | 10 | 11.2 | 12.5 | 14 | 16 | 19.5 | 25 | 25.5 | 28 | 41 | 45 | 52 | 56 | 62 | 79 | |
| TMCF | Four way cassette | | | | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMCS | One way cassette | | | | ● | | ● | | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| TMCD | Two way cassette | | | | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMDN-AC | Slim Low ESP duct | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMDN-AB | Low ESP duct | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| TMDH-A | High ESP duct | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMVX | Floor ceiling | | | | ● | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMVW | Wall-mounted | | | | ● | | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| TMDH-AI | Big duct | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| TMDF | Fresh air handling unit | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |

Air-Side Products

Ceiling Concealed FCU

Model: TCR(12Pa / 30 Pa / 50 Pa)
Air Flow: 200 ~ 1,400 cfm



High Pressure Ceiling Concealed FCU

Model: TFM(0~180 Pa)
Air Flow: 800 ~ 3,000 cfm



Floor Standing FCU

Model: TC
Air Flow: 200 ~ 1,400 cfm



Cassette FCU

Model: TKM
Air Flow: 300 ~ 1,200 cfm



DX Modular Air Handling Unit

Refrigerant: R22/R410A
Model: TAC-X/TMC-X/TBC-X
Air Flow: 2500 ~ 37,500 cmh



Modular Air Handling Unit

Model: TAC/TMC/TBC
Air Flow: 2,000 ~ 280,000 cmh



Standard Air Handling Unit — Ceiling Type



3-Speed Type
Model: TFD-C
Air Flow: 1,000 ~ 7,000 cmh

Direct Drive Type/ Belt Drive Type
Model: TFD-B/D
Air Flow: 1,000 ~ 15,000 cmh

Jet Type
Model: TFD-S
Air Flow: 1000-12000cmh

Standard Air Handling Unit — Horizontal Type



Horizontal Floor Mounted Type 1
Model: TAD-EH1
Air Flow: 2,000 ~ 50,000 cmh

Horizontal Floor Mounted Type 2
Model: TAD-EH2
Air Flow: 2,000 ~ 50,000 cmh

Horizontal Floor Mounted Type 3
Model: TAD-EH3
Air Flow: 2,000 ~ 50,000 cmh

Standard Air Handling Unit — Vertical Type



Model: TAD-DV1
Air Flow: 2000 ~ 50,000 cmh

Chiller Products

Air Cooled Screw Chiller (cooling only)

Model: T ASD (R134a)
Capacity: 100-405RT



Water Cooled Modular Chiller (Cooling Only)

Model: TWS-MCC4 (R410A)
Capacity:
For single module: 20-60RT
For modular units: 20-480RT

Water Cooled Flooded Screw Chiller (Cooling Only)

Model: TWSF-DC1 (R134a)
Capacity: 110 - 510RT



Water Cooled Centrifugal Chiller (Cooling Only)

Model: TWCF-ACA/ACK(R134a)
Capacity: 300 - 1650RT

Air Cooled Mini Chiller (cooling only/Heat Pump)

Model: TVCA-B/BR(R22/R407c)
Capacity: 3 - 15RT



Commercial Products



Air Cooled Modular Chiller (cooling only/Heat Pump)

Model: TCA-XH/XHR/HHE/HCA(R410A)
Capacity: 20 - 640RT

Air Source Heat Pump Water Heater

Model: TCAH-FC(R410A)
Capacity: 5/10HP



Rooftop

Model: TRA(R22/R407c)
Capacity: 9-36HP

Water Source Heat Pump

Model: TWWH(R410A)
Capacity: 1.0-5.0HP



Water Cooled Package Floor Standing (R22)

Model: TPW
Capacity (HP): 5- 65HP

Commercial Unit

Outdoor Units



Clean air ducted split/cassette type unit
Low noise and smooth running
Elegant appearance and advanced design
Comfortable environment by handling PM2.5
Pursuit for Eco (R410A)
Model: TSA
Capacity: 9/12/18/24/30/48/60KBTU/h

Commercial Unit

Outdoor Units



Air Cooled Ducted Type Air Conditioner

Ducted Type

Model: TSR
Capacity: 9/12/18/24/30/48/60KBTU/h



Indoor Units

Standard Air Cooled Ducted Type AC



Model: TSA50G(R), TSA75-250J(R)
Cooling Capacity: 12.1-79kW
Heating Capacity: 13.3-83kW

Fresh Air Cooled Ducted Type AC



Model: TSA50G(R), TSA75-250J(R)
Cooling Capacity: 12.1-79kW
Heating Capacity: 13.3-83kW

Cassette Type

Model: TSK
Capacity: 18/30/48KBTU/h



Purifying Air Cooled Ducted Type AC



Model: TSA50G(R), TSA75-250J(R)
Cooling Capacity: 12.1-79kW
Heating Capacity: 13.3-83kW

Air Cooled Cabinet Type AC



TSA100-250J(R)
Cooling Capacity: 25.5-79kW
Heating Capacity: 28.5-83kW

Overseas Project



HardRock Hotel, Penang, Malaysia

Product Range: AHU & FCU
Air Flow: 548,665 CMH



The Heritage Building, Ministry of Education, Kuala Lumpur, Malaysia

Product Range: Water Source Package
Total Capacity: 1,305kW



Hongkong Polytechnic University, Hong Kong

Product Range: AHU
Air Flow: 200,000 CMH



TChartered Semiconductor Manufacturing, Singapore

Product Range: AHU
Air Flow: 130,000 CMH



SM Shopping Mall, Dasmariñas, Philippines

Product Range: AHU & FCU
Air Flow: 153,330 CMH



Mass Transit Rail (MTR), Hong Kong

Product Range: AHU
Air Flow: 11,340,000 CMH



Taiping Latexx, Penang, Malaysia

Product Range: FCU
Air Flow: 82,430 CMH



Kossan Rubber, Klang, Selangor

Product Range: Water Cooled Scroll Chiller
Air Flow: 470 kW

Overseas Project



Hotel Ibis Surabaya, Indonesia

Product Range: AHU & FCU
Air Flow: 250,960 CMH



IMM Mall, Singapore

Product Range: AHU
Air Flow: 444,000 CMH



3C7, Putrajaya, Malaysia

Product Range: FCU & AHU
Air Flow: 574,000 CMH



3C7, Putrajaya

Product Range: FCU & AHU
Total Capacity: 3,301kW



Senayan Square Hotel Complex, Indonesia

Product Range: AHU
Air Flow: 588,288 CMH



AI-Muneera Al-Raha Beach Development, UAE

Product Range: AHU & FCU
Air Flow: 4,514,975 CMH



TATi UC, Kemaman, Terengganu, Malaysia

Product Range: Air Cooled Scroll Chiller
Water Cooled Screw & AHU
Total Capacity: 830 kW



SM City Shopping Mall, Philippines

Product Range: AHU & FCU
Air Flow: 153,330 CMH

Overseas Project



TATi UC, Kemanman, Terengganu

Product Range: Air Cooled Screw Chiller
Water Cooled Screw Chiller & AHU
Total Capacity: 829 kW



Meditop, Bangi, Selangor

Product Range: AHU
Total Capacity: 1929kW



The Heritage Building, Ministry of Education, Kuala Lumpur

Product Range: Water Source Package
Total Capacity: 1305kW



Taiping Latexx, Nibong Tebal, Penang

Product Range: FCU
Total Capacity: 490kW



Masjid Wilayah Persekutuan, Kuala Lumpur

Product Range: AHU
Total Capacity: 786kW



Institut Pengajian Guru Melayu, Kuala Lumpur

Product Range: Water Cooled VRF, Water Cooled Package
Total Capacity: 9203kW



Hard Rock Hotel, Batu Ferringhi, Penang

Product Range: AHU & FCU
Total Capacity: 3126 kW

Domestic Project



The Bird Nest Stadium, Beijing, China

Total Capacity: 8,790 kW
Air Flow: 1,700,000 CMH



Wuxi Sports Center, Jiangsu, China

Product Range: AHU & FCU
Air Flow: 1,728,000 CMH



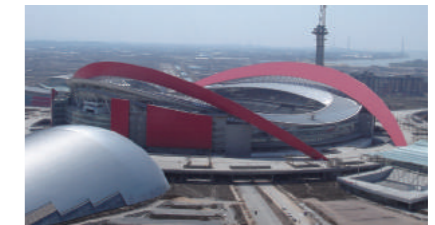
Shanghai New International Expo Centre, Shanghai, China

Product Range: AHU
Air Flow: 748,000 CMH



Nanjing Library, Jiangsu, China

Product Range: FCU & AHU
Air Flow: 2,200,000 CMH



Nanjing Sports Center, Jiansu, China

Product Range: 4,650 kW
Air Flow: 900,000 CMH



Chengdu Sports Center, Sichuan, China

Product Range: AHU & FCU
Air Flow: 890,000 CMH



China International Travel Service, Tianjin, China

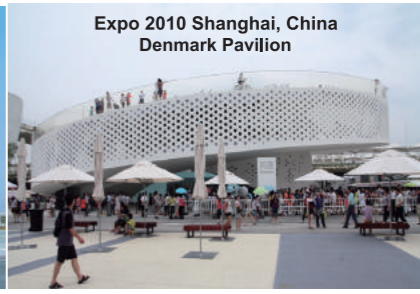
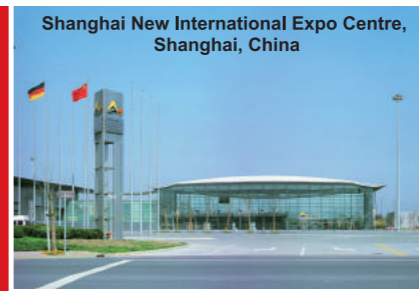
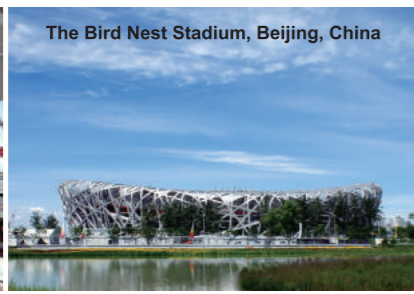
Product Range: AHU & FCU
Air Flow: 800,000 CMH



Shenzhen University, Guangdong, China

Product Range: AHU & FCU
Air Flow: 153,330 CMH

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|---|--|---|---|---|---|--|---|---|---|---|--|
|  红塔集团 HONGTA GROUP |  中国石化 SINOPEC |  中国人寿 China Life |  中国电子 CHINA ELECTRONICS |  上海通用电气 |  中芯国际 |  茅台酒 |  康恩贝集团 |  诺和诺德 |  海王 |  施耐德制药 |  三九企业集团 SANJIU ENTERPRISE GROUP |
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