



COOLTRON

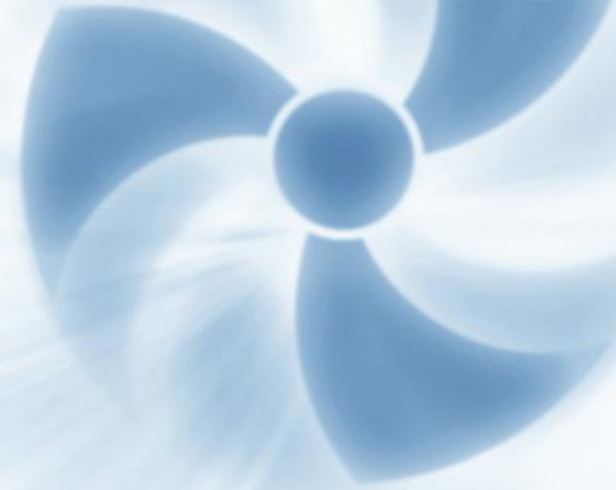
COOLTRON INDUSTRIAL SUPPLY, INC.



California, U.S.A.

www.cooltron.com

Rev. P0910A



COOLTRON Industrial Supply, Inc.

Your Best Air Cooling Fan Partner !!

Contents

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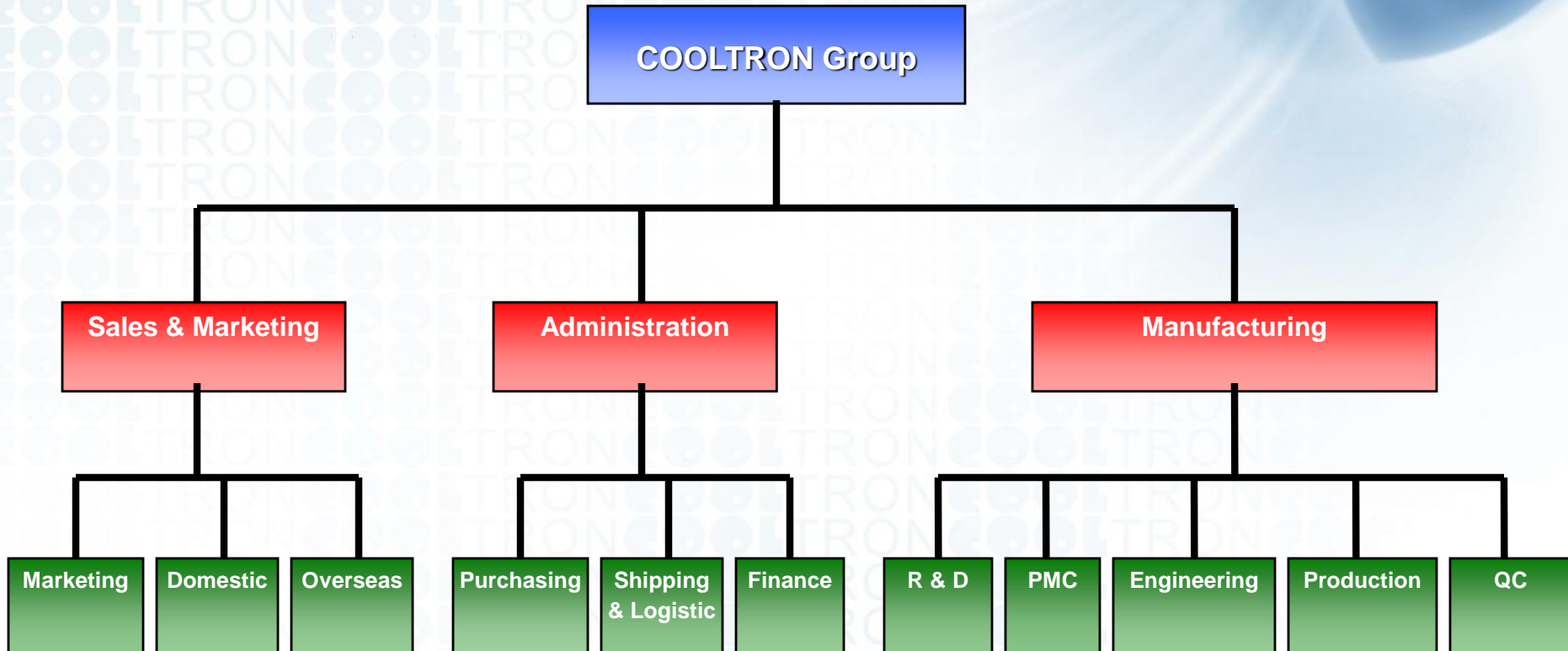
Mission Statement

We are a cost-effective, world class, high quality cooling fan manufacturer, we are committed to providing our customers with reliable, competitive price products under excellent service with the highest level of integrity and professionalism; and continuously expand into new market. Providing successful and fulfilling career to our employees.

Company Background

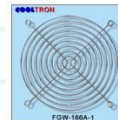
- Established in 1998 at California, U.S.A.
- Category:
 - DC Brushless Fan & Blower
 - AC Fan & Blower
 - Fan Accessories
- Production line at China
- Plant with 17,700 square meter (200,000 square feet) & 800 employees
- Office & Hub: U.S.A./China/H.K.

Organization Chart



Category

- DC Brushless Fan, frame size from 20~172 mm, thickness from 6~55 mm, with variety voltage design of DC 3.3/5/12/24/48V
- DC Blower, various design and voltage range of DC 3.3/12/24/48V for different applications
- AC Fan & Blower, AC 110, 220V. 115/230V dual voltage (available for some models)
- Fan Accessories, Guard/Filter/
Power Cord



Applied Product



Purifier



STB



Printer



Amplifier



Elevator



UPS



IPS



Repeater



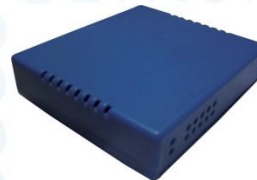
Battery Charger



Server Storage



Server Rack



Switch Hub



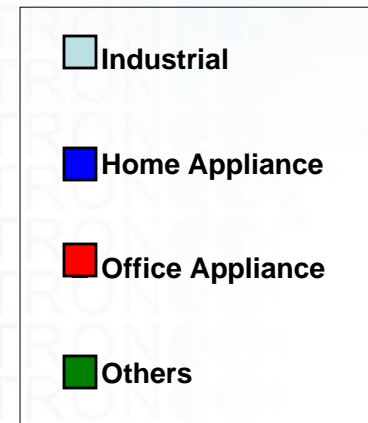
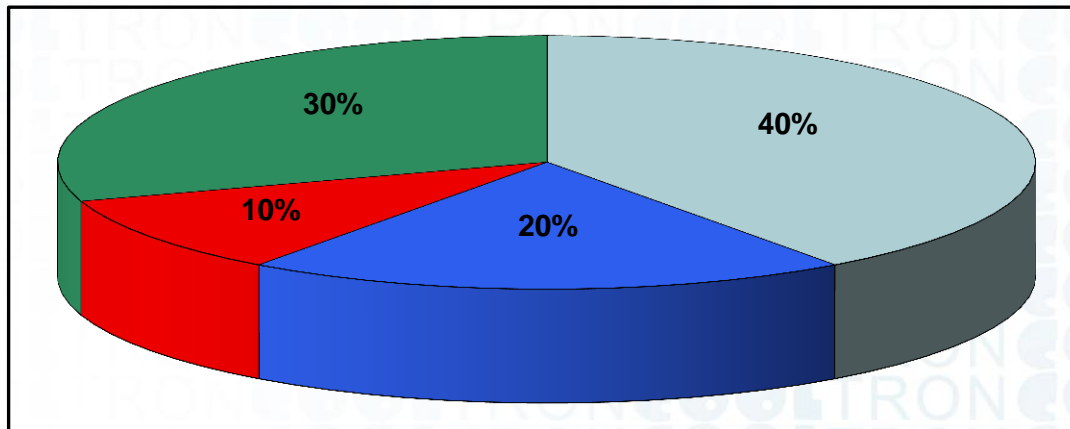
Forklift



Gaming

Application & Ratio

- Printer
- Set Top Box
- Audio/Video/Recorder
- Telecom/Communication
- Gaming
- Medical
- System Solution
- Industrial Power Supply
- Uninterruptible Power System
- Industrial & Instrument



Application with Valued Customer

- **System Solution**
Johnson, Rockwell Collins
- **Industrial Power Supply**
Alpha/Argus, Outback, XP, GE
- **Set Top Box**
Kaon Media
- **Audio/Video/Recorder/
Home Theater/Amplifier**
Bose, Harman Kardon,
Knoll, Carvin
- **Uninterruptible Power
Supply**
SK Telecom, KT Telecom,
Alpha, Eaton Power
- **Telecom/Communication**
Alcatel-Lucent, L-3, SK
Telecom, KT Telecom
- **Gaming Machine**
American, Bally
- **Medical Equipment**
Philips, Delphi, Chattanooga,
Cardinal
- **Industrial & Instrument**
Nissan, Otis, Vxi
- **Printer**
HP, Lexmark
- **Military & Aviation**
Boeing, Lockheed Martin,
Northrop Grumman

Application with Valued Customer

- **Lighting/Sign board**
Everbrite
- **Inverter**
Satcon
- **Industrial Rack**
Rackmaster
- **UV-LED System**
Phoseon
- **Thermoelectric Cooling**
TE, Tellurex
- **Digital Projector**
Christie

And more..., not shown due to NDA

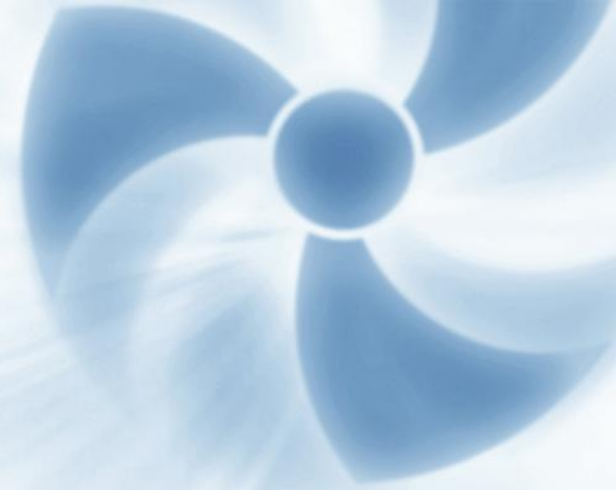
Major Valued Customer



New Product Trend

- Light, slim, and small fan
- Longer life expectancy
- Overall voltage options to comply with various requirement
- Lower noise
- Lower power consumption as green power
- Water & dust proof, and strict environment shock
- OEM/ODM service and more...

Plant & Office



Plant



U.S.A. Office



China Office

Production Equipment



Injection



Inspection



Semi-Automatic
Solder Spreader



EDM



Winding Machine



Computer-Aid
Balance Machine

R & D Equipment

Air Flow Rate & Pressure Measurement Apparatus



R & D Equipment

High & Low Temperature Chamber

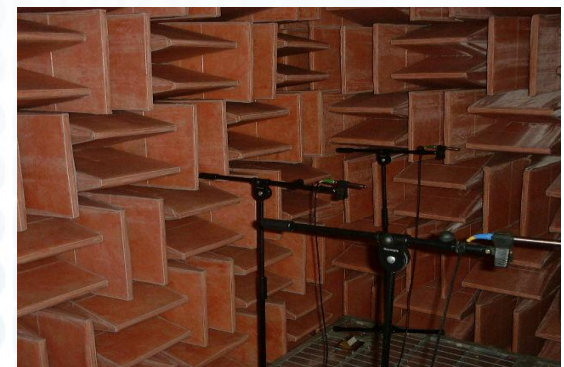
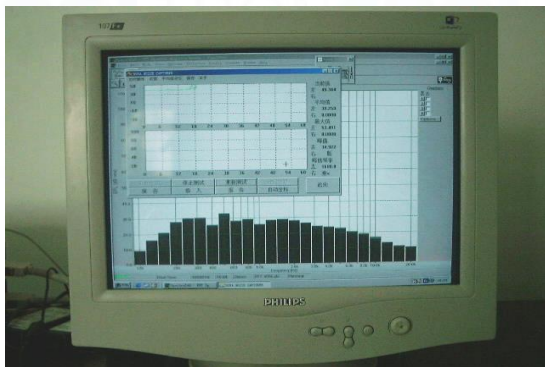


R & D Equipment

Anechoic Room

Background is 18.6 dBA

Standard in Accordance with ISO 7779



R & D Capability

- Fan blade performance simulation with up-to-date software and equipment
- CNC mock up, air flow, air pressure, acoustic sound proof room etc.
- Deep understanding of customers' application, in order to design qualified product to fit requirement
- Research on industry product
- Verify and ensure product performance with university and institute
- Periodical conference with customer

Manufacturing Capability

- **Size:** plant with 17,700 square meter
- **Production line:**
 - 8 processing lines (molding, injection, SMT, manual PCB, lead wire, harnessing, motor winding, fan frame & blade)
 - 8 assembly lines (fan assembly)
 - 2 inspection lines (fan quality control)
- **Productivity:** 12 millions unit annually
- **Max. productivity:** 18 millions unit annually
- **Man power:** 800 and growing

Delivery Capability

- **Sample:** 7 days (standard)
- **Mock up sample:** 10 days (standard)
- **Mass production:** 20 days
- **Internal QA issue:**
Within 12 hrs for short-term countermeasure, within 72 hrs for long-term countermeasure
- **RMA:**
Within 24 hrs for initial reply, and within 120 hrs for completed report

Quality Policy

- Complete it well the first time
- Meet customers' expectations
- Emphasize prevention over inspection
- Pursue sustained excellence

COOLTRON fan & blower
have met the worldwide
standards in their design of
forced air cooling devices

All products are approved
by UL / CUL / TUV / CE, as
well as in compliance
with RoHS requirement



57907



CE & RoHS SGS Certificate

MOST
Compliance Laboratory

**CERTIFICATE
of Compliance**
Order No.: MT-ED004329

Holder: **COOLTRON INDUSTRIAL SUPPLY INC.
20468 CARREY RD., WALNUT, CA91789, U.S.A.**

Equipment Description: **DC FAN**

Model Name: **FD25XYZW-, FD30XYZW-, FD40XYZW-, FD45XYZW-,
FD50XYZW-, FD60XYZW-, FD70XYZW-, FD80XYZW-,
FD92XYZW-, FD120XYZW-, FD172XYZW-, FBD50XYZW-,
FBD57XYZW-, FBD75XYZW-, FBD97XYZW-(X=06, 07, 09,
10, 15, 20, 25, 28, 30, 32, 38, 51, 55; Y=S, B; Z=05, 12, 24,
48, "-" maybe 1 to 13)**

Technical Data: **DC 5V, 12V, 24V, 48V**

The submitted products have been tested by us with the listed standards and found in compliance with the following European Directives:
The EMC directive 89/336/EEC

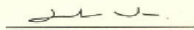
EN61000-6-3: 2001
EN61000-6-1: 2001
EN55022: 1998+A1: 2000+A2: 2003
EN61000-3-2: 2000
EN61000-3-3: 1995+A1: 2001
EN55024: 1998+A1: 2001+A2: 2003
(EN6100-4-2/A2: 2001, EN61000-4-3: 2002, EN61000-4-4: 2001,
EN61000-4-5/A1: 2001, EN61000-4-6: 2001, EN61000-4-8/A1: 2001,
EN61000-4-11: 2004)


The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out.

This certificate applies specifically to the sample investigated in our test reference number only.


The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.

May 13, 2006


Mark Wen
For Chief Executives



Most Compliance Laboratory Limited
21A-B 4th Building, Time City, Chuangye Road, Nanshan
Shenzhen Guangdong, China
Tel: 86 755 8617 0306 Fax: 86 755 8617 0310



SGS

Test Report No. 2002219/EC Date: Jun 13 2006 Page 1 of 15

COOLTRON INDUSTRIAL SUPPLY INC.
20468 CARREY ROAD, WALNUT, CA91789, U.S.A.

Report on the submitted sample said to be DC FAN & BLOWER.


SGS Lab No. : 1017391
SGS Ref No. : S2ECO30025020195
Sample Receiving Date : JUN 01 2006
Testing Period : JUN 01 - 12 2006

Test Requested : With reference to RoHS Directive 2002/95/EC on test 1-7
1) To determine the Cadmium Content in the submitted sample.
2) To determine the Lead Content in the submitted sample.
3) To determine the Mercury Content in the submitted sample.
4) To determine the Cadmium, Lead and Mercury Content in the submitted sample.
5) To determine the Hexavalent Chromium Content on the submitted sample.
6) To determine the Cadmium, Lead and Mercury content in the submitted metal samples.
7) To determine PBBs (Polybrominated biphenyls) and PBDFs (Polybrominated dibenzofurans) of the submitted sample.
8) To determine total lead, cadmium, mercury and hexavalent chromium content in the submitted packaging samples as specified in 94/62/EC.

Test Method : 1) With reference to BS EN 1122:2001, Method D, analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
2) With reference to EPA Method 3050D/3051/3052, Analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
3-4) With reference to EPA Method 3051/3052, Analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
5) With reference to EPA Method 8000A & 7166A, The sample was alkaline digested by using EPA Method 3090A, and then analyzed by using Cadmium method 7196A (by UV-vis Spectrophotometer).
6) With reference to SGS In-house method, The sample was digested by acid. Analysis was performed by Atomic Absorption or Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
7) With reference to EPA Method 3010C/3060C, Analysis was performed by GC/MS or LC/MS.
8) With reference to SGS In-house Method - CONEQA4E, Analysis was performed by Atomic Absorption Spectrometry or Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).

Test Results : 1-7) Please refer to next page.

Conclusion : 1-7) When tested as specified, the submitted samples (Item 1-5, 7, 13, 18, 19-10) comply with the requirements of Commission Decision of 18 Aug 2005 amending Directive 2002/95/EC notified under document 2006016/EC.
8) The sum of Total Lead, Cadmium, Mercury and Hexavalent Chromium Content in the submitted packaging samples (Item 21-22) comply with the Limit stated in European Council Directive 94/62/EC - Article 11 that effective from June 2001.

Signed for and on behalf of
SGS Hong Kong Ltd

Yau Shu Wai, Lec
Technical Manager

|| 13384018

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Member of the SGS Group of Companies

Conclusion

Successful cooling fan business starts with COOLTRON's

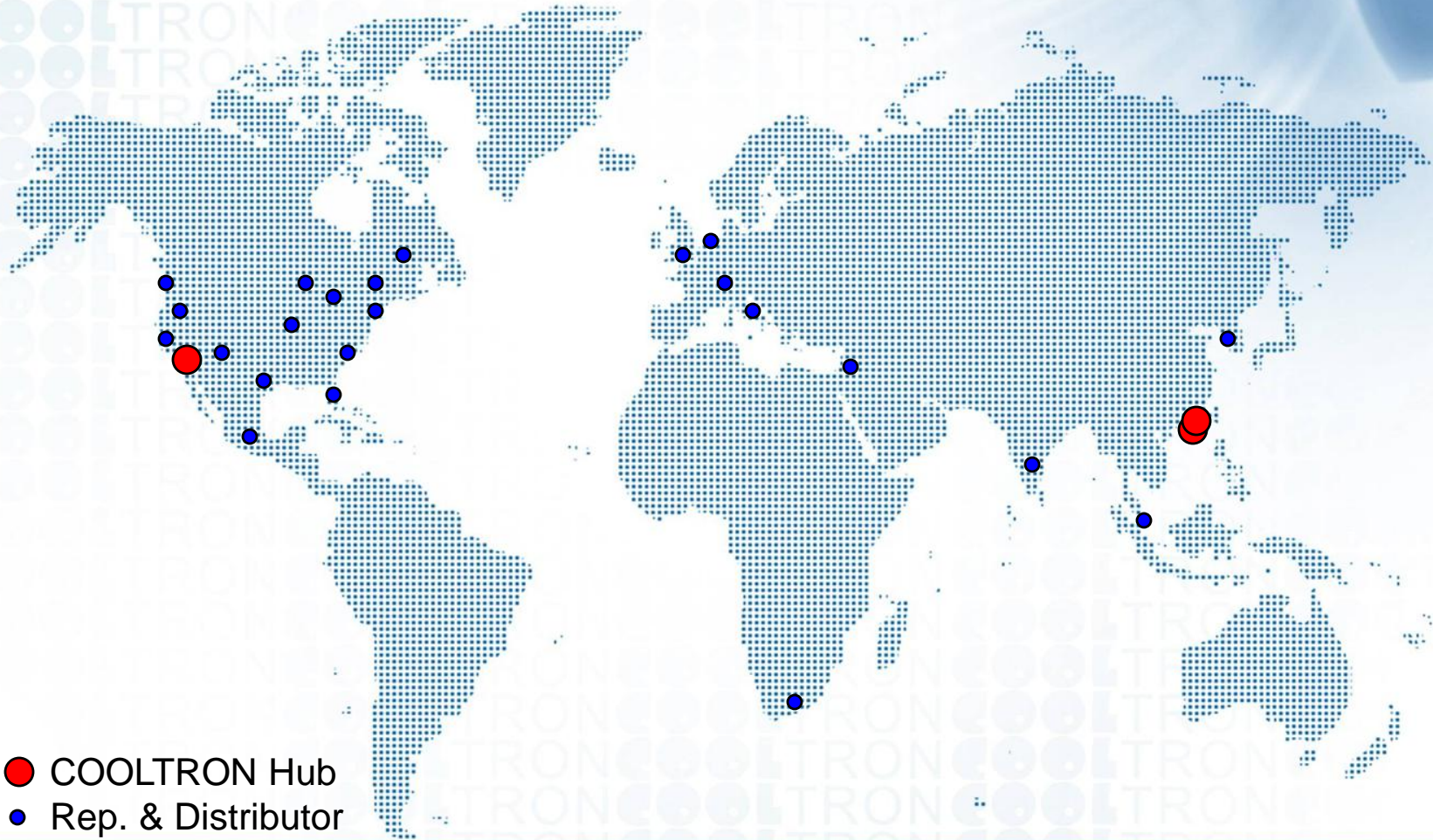
- Prompt service
- Qualified product
- Competitive price
- Just in time delivery
- Cooperated long-term business relation

Your Best Air Cooling Fan Partner !!

Global Contact

- Email: info.usa@cooltron.com
- Website: www.cooltron.com
- U.S.A. Headquarter & Office
China Office
H.K. Office
Authorized Representative or Distributor
Worldwide

Global Service Network





Thank You !!

COOLTRON

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