

# Why Cooltron Fans ?



By Steven Chiang

# Worldwide Business Partners



# Cooltron Company Profile



## Cooltron:

- Headquarters: Walnut, CA, USA
- Production Facilities: China & Taiwan
- Employees: 2500+
- 2017 Global Sales: \$ 95 million+
- 2018 Global Sales: \$ 125 million+
- 2019 Global Sales: \$ 150 million+



## Sales Office & Warehouse:

- USA (Walnut, CA)
- China (Shenzhen, Canton)



## Products: (Fan & Blower Business since 1999)

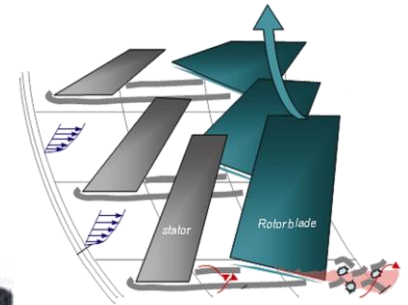
- AC Fan & Blower
- DC Fan & Blower
- Fan Accessories
- Heat Sink (since 2011)



# Why Cooltron Fan? – Fan Patents

- **Fan Products R&D and Patents**
- **Patented Stator Outlet Blade (S.O.B.) Technology** helps reduce turbulence caused by fan blades, thereby streamlining the fluid flow  
i.e. **More Airflow & Pressure, but Less Noise**
- **The Smallest Fan of the World**
  - One of the smallest cooling fans in the world
  - 15mm wide and 6mm thick up to 0.43 CFM of air power
- **Over 22 Years World Class Brands OEM Experience & Quality Reliability**

**COOLTRON**<sup>®</sup>  
www.cooltron.com



**S.O.B. Fan**





# Cooltron Focused Fan & Blower Application Markets

# 2 Telecomm & Networking



# 1 Power Supply



# 3 Industrial Applications



## Cooltron Focused Markets – Fast Growing Sectors



# 5 Gaming



#4 Fitness & Wellness



#6 Commercial Food Services

## **Cooltron Power Supply Fan Market: (UPS/Battery Charger DC Fans)**

- **UPS System DC Fans w/ special functions & Outdoors Ingress Protections**
  - **Eaton Powerware (UPS): FD1751B24W7-3P-61**
  - **Ametek Fork Lift Battery Recharger: FD1238B12W7-84-2RC1**
  - T&B Power Solution (WI): FD1751B24W7-3P-61
  - Cell Tower UPS (Indonesia): FD1238B48W5-84-2RY (Y:IP55)
  - Battery Charger (USA): FD8025S12W7-73S
- **2R 2-Wire with built-in Auto-Restart IC**
  - **3P Special Functions: Thermistor + Alarm High-Low + Auto Restart**
  - **IP55 Ingress Protection: No harmful ingress of dust and water jet from any direction**

## **Other Power Supply Fan Application:**

- Aker Wade Power Tech (Vehicle Charging): FA2589B11T11C-31
- T&B Power Solution (VA): FA1238 (110V/220V) w/ Heat Sink
- Power Distribution (Power Distribution & Management): FA1662B11W7C-51

## Cooltron Telecom Networking Chassis Fan/Blower Application:

- DC Blowers or DC Fans w/ special functions
- FBD9733B24W7-81-3RC2 (6 DC Blowers per chassis)
- FD9225B12W5-84-**4J**
- FD4010B12W7-84-**3R**/FD5010B12W7-84-3R
- FD4020B12W11-81-3H/FD4020B05W11-82-**3H**
- **FD4028B12W1-82-3R (EAU: 25K for ADSL Voice IP Networking)**
- **FD3010B05W7-82-3F (EAU: 250K for Ethernet Network Switching)**

\* **2R** Auto Restart IC (2 Wire)

\* **3R** Special Functions: F/G + Auto Restart

\* **3H** Special Functions: Alarm High + Auto Restart

\* **3F** Special Functions: F/G (Speed Sensor)

\* **4J** Special Functions: PWM + F/G + Auto Restart

\* **PWM**: Pulse Width Modulation

\* **F/G**: Frequency Generator / Tachometer / Fan Speed Sensor

\* **4 Wires Colors**:

**Red: Positive; Black: Negative; Yellow: Speed Sensor (F/G);**

**Blue: PWM (Speed Control)**

## Industrial Application:

- AC/**DC** Fans & Blowers (Industry Trend Shifts toward DC Fans & Blowers)
- **CNC Machines: FA1238B11T7-66; FA2589B11W7C-55**
- Plastic Card Printer: FD4020B24W7-81-**2R**
- Chlorine Generators: FBD1881B24W3-61-2RY
- **AC Drive for Motor: FD1238B24W3-85-2RY1**
- Military Industrial Computer Rack Mount: FD4028B12W5-85-4J/FD8025B12W9-61-4J

## Fitness & Wellness:

- Treadmill: FA8038B11W7-96
- Hydro-massage: FA2260B22T7C-31/FA1751B22T7C-31

## Arcade Gaming: FD1225B12W7-81-2R

## Commercial Food Services: (Cooking Ovens; Refrigerators)

- Ovens: FA1238B22T9**C**-31/FA1751B22W7**C**-31 (220V; **Induction Capacitor**)
- Refrigerators: FD9225B24W9-81-**2RY**/FA9225B11W7-51 (110V)





+ You = *Success*



*Let's achieve win-win!*