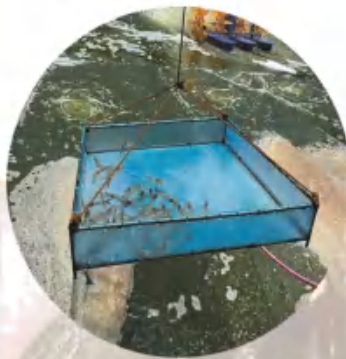


# SmarTurbo | Turbo Blower Aerator



**Qingdao SmarTurbo Blower Co., Ltd**

**[www.SmarTurbo.com.cn](http://www.SmarTurbo.com.cn)**



## About SmarTurbo

SmarTurbo is a group company focused on R&D, manufacturing and sales of high speed turbo blower, turbo compressor and turbo blower aerator. We have built the most comprehensive research and development system of high speed permanent-magnet synchronous motor, air bearing and magnetic bearing and aerodynamics for mass-production of turbo blower, turbo compressor and turbo blower aerator.

SmarTurbo has mastered high speed motor manufacturing technology of integrated rotor magnetization and detection, magnet assembly and high speed dynamic balance. We own world-leading automation equipment for coil wiring, coil expanding and insulation wrapping. We are equipped with CNC boring and milling machining center, 5-axis machining center and CNC grinding machine.

SmarTurbo has professional air bearing and magnetic bearing design and production team. Air bearing and magnetic bearing designed for complex operating conditions of high speed, extreme temperature, large loading, strong vibration and special lubricating medium is achieved in our own laboratory. Air bearing and magnetic bearing performance of load capacity, rigidity and damping coefficients can be precisely predicted by the self-developed simulation software.

SmarTurbo has followed standard product testing process for each set of oil-free high speed centrifugal turbo blower, turbo compressor and turbo blower aerator, which includes aerodynamic performance test, vibration test, temperature rise test, noise test and so on.

SmarTurbo has the most comprehensive environmental laboratories, including noise laboratory, shock & vibration laboratory, high & low temperature laboratory, salt spray laboratory, etc. our laboratories meet the environmental test requirements of turbo blower, turbo compressor and turbo blower aerator, which further verify the product performance and ensure manufacture quality in a multi-layer way.

Adhering to the strategic goal of "Leading Turbo Blower Development and Saving Your Electricity Bill", SmarTurbo will keep investing in turbo blower, turbo compressor and turbo blower aerator to better service our partner.

## ➔ SmarTurbo Factory



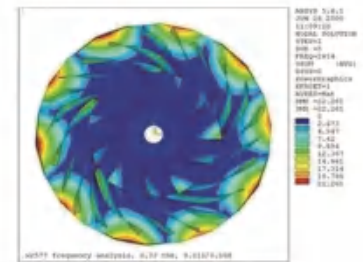
## ➔ SmarTurbo R&D Center



Laboratory



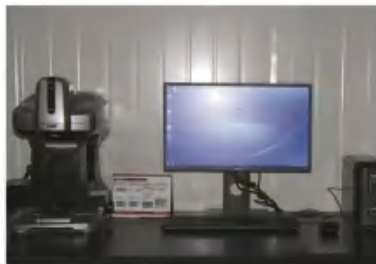
material analysis



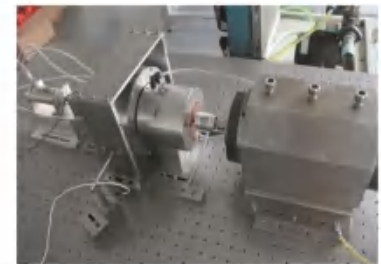
three-dimensional flow design



three-coordinates measuring



3D Contour Measuring



high temperature measuring

## ➔ SmarTurbo Test Center



dynamic balancing bench



bearing test bench



rotor test bench



durability test bench



dynamic test bench



vibration test bench

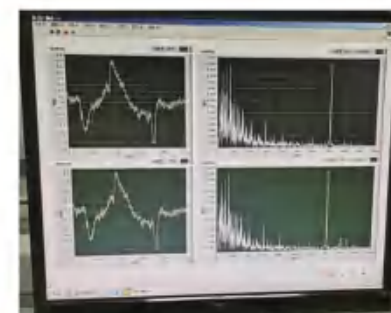
## ➔ SmarTurbo Production Line



## ➔ SmarTurbo Assembly



## ➔ SmarTurbo Test-Run



## ➔ SmarTurbo Core Technology

Turbo blower and turbo blower aerator is high speed centrifugal blower, which is specially designed and developed for shrimp farming and fish farming in aquaculture industry, sewage treatment and waste water treatment, air knife blower system and drying system, it has been the the most efficient blower by saving 50% electricity bill more than traditional roots blower.



Turbo Blower Aerator Engine



High Speed Impeller



Air Bearing



Touch Screen Control Panel



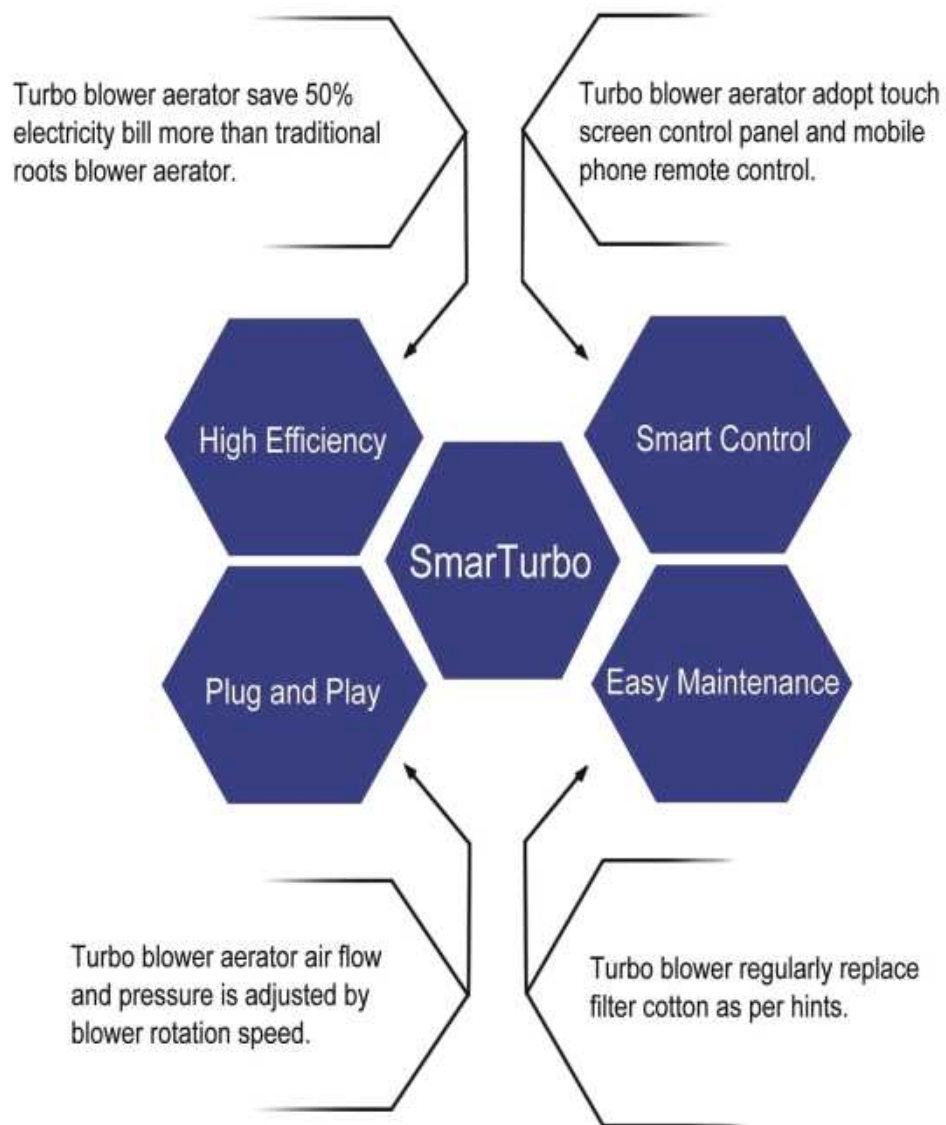
Mobile Phone Remote Control



High Speed VFD

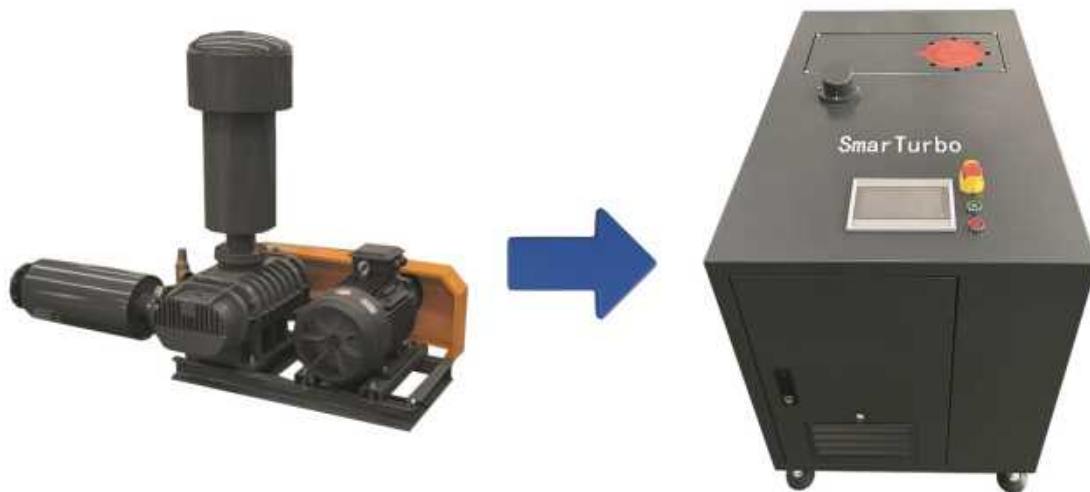
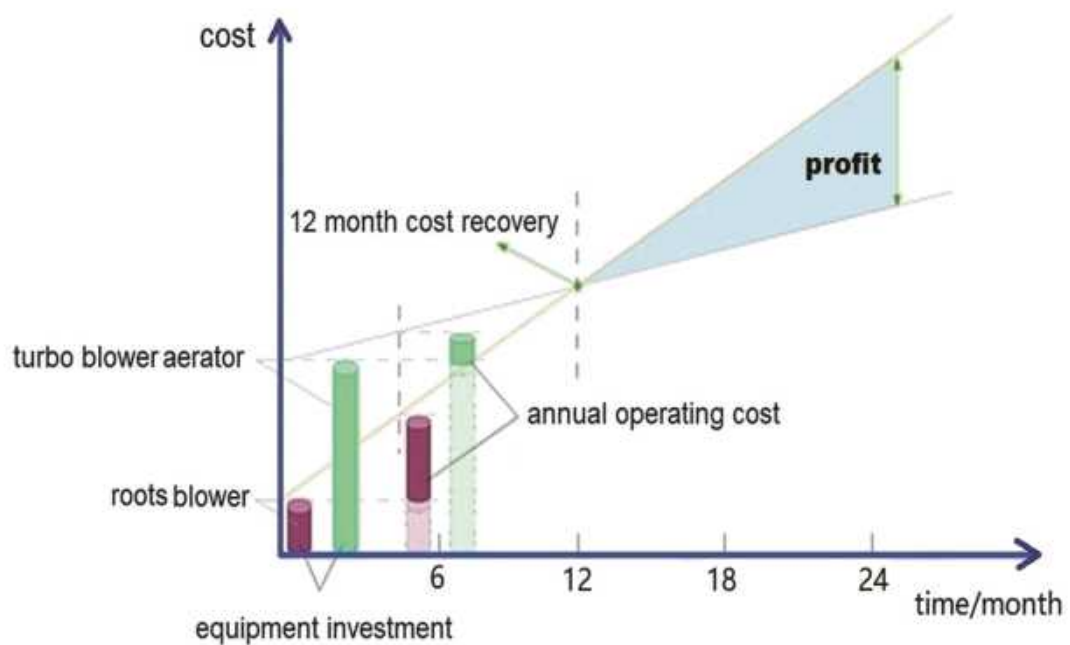


## SmarTurbo Advantage



## ➔ Return on Investment

Turbo blower aerator investment cost is normally recovered within 12 month.



## ➔ SmarTurbo Parameter Table

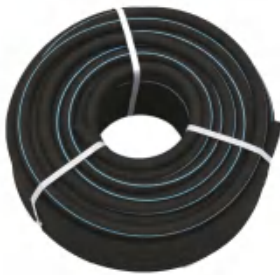
Model	3HP	5.5HP	7.5HP	10HP	15HP	20HP	30HP	40HP	50HP	60HP	75HP
Pressure KPA	Air Flow M3/MIN										
10	/	/	12	22	29	42	56	79	103	120	130
15	/	/	11	21	28	38	53	75	99	110	122
20	/	/	10	18	26	36	49	71	95	106	118
25	/	/	9	14	21	29	41	58	71	95	105
30	/	/	8	12	19	26	38	48	65	83	95
40	2.5	5	7	9	15	17	26	36	45	54	65

## ➔ SmarTurbo Site Installation



Turbo blower aerator deliver air to Aeratube

➔ **SmarTurbo Package**



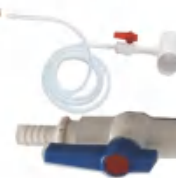
AeroTube



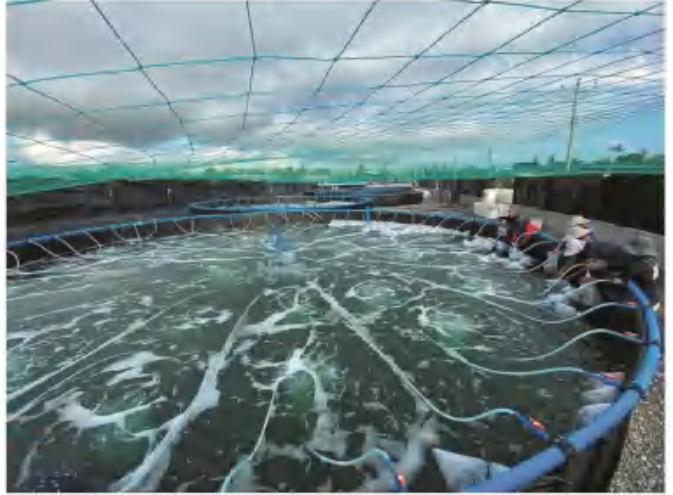
Chemical Hose



Sinker Hose



## ➔ SmarTurbo Application



## **SmarTurbo** | Turbo Blower Aerator

### **Qingdao SmarTurbo Blower Co., Ltd**

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