TV SERIES 2026.09

微信公众号
WeChat public account

官方网站
Website

服务热线：400-080-2622
Service hotline

www.cn-tanabe.com

喷油螺杆空压机
Oil-Injected Screw Compressor



TA系列螺杆式空压机
TA Series Screw Air Compressor
7.5~850kW



至美系列螺杆式空压机
Tech Master Series Screw Air Compressor
7.5~75kW



激光切割机专用空压机
Laser Cutting Air Compressor
11~37kW

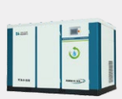
无油空压机
Oil-Free Compressor



TN系列干式无油螺杆空压机
TN Series Dry Oil-Free Screw Air Compressor
37~630kW



TH系列离心式空压机
TH Series Centrifugal Air Compressor
100~15000kW



TW系列水润滑无油空压机
TW Series Water-Lubricated Air Compressor
11~470kW



TC系列磁悬浮空压机
TC Series Maglev Air Compressor
75~400kW

真空泵
Vacuum Pump



TB系列微油螺杆真空泵
TB Series Oil-Injected Screw Vacuum Pump
5.5~110kW



TBV系列旋片真空泵
TBV Series Rotary Vane Vacuum Pump
0.75~7.5kW



TBD系列无油真空泵
TBD Series Oil-Free Vacuum Pump
1.5~75kW

定制产品
Customized Products



二氧化碳专用压缩机
CO_2 Compressor



无油氮气增压机
Dry Oil-free N_2 Booster



干式无油空气增压机
Dry Oil-free Air Booster



TS系列中高压螺杆增压机
TS Series Medium/High Pressure Booster

运营中心
Operations Center

深圳田边精机有限公司
SHENZHEN TECBELL PRECISION MACHINERY CO.,LTD

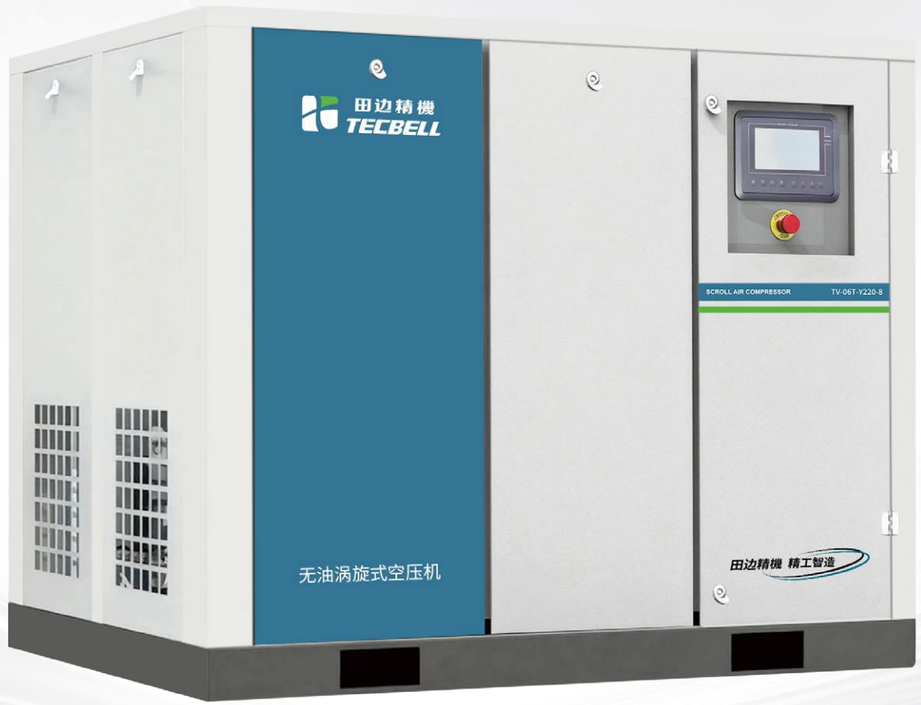
地址：深圳市宝安区新桥街道中心路 102 号时代中心 A 座 12 层
Address: 12th Floor, Tower A, Times Center Building, No.102 Central Road, Xinqiao Street, Bao'an District, Shenzhen

制造中心
Manufacturing Center

田边（福建）智能装备有限公司
TECBELL (FUJIAN) INTELLIGENT EQUIPMENT CO.,LTD

地址：福建省武平县武平工业园区环城南路98号
Address: No.98, Huancheng South Road, Wuping Industrial Park, Wuping County, Fujian Province

田边精機 TECBELL



TV系列 TV SERIES

无油涡旋式空压机

Oil-free Scroll Air Compressors

关于我们 ABOUT US

田边精机于2006年3月在深圳前海创立，并于2007年相继注册运营“田边”“TECBELL”品牌。公司立足国际化视野，是集空气压缩机系统及真空负压系统产品研发、制造、销售、服务为一体的大型国际化公司。

Tecbell Precision Machinery was founded in March 2006 in Qianhai, Shenzhen. In 2007, the company officially registered and launched the “TECBELL” brands. With a global perspective, Tecbell has developed into a large-scale international enterprise integrating R&D, manufacturing, sales, and service of compressed air systems and vacuum systems.

企业产品 Enterprise Products

田边精机产品线涵盖永磁变频单双级螺杆式空压机、干式无油螺杆空压机、离心式空压机、水润滑无油空压机、螺杆真空泵、旋片真空泵、无油真空泵、磁悬浮空压机、磁悬浮鼓风机、激光切割机专用空压机、中高压螺杆增压机等系列节能产品。

Tecbell offers a comprehensive portfolio of energy-efficient solutions, covering permanent magnet variable frequency screw air compressors (single-stage and two-stage), oil-free and centrifugal compressors, advanced vacuum systems, and magnetic levitation (maglev) compressors and blowers. Our products also include specialized solutions for laser cutting applications, as well as medium- and high-pressure screw booster compressors.

生产基地 Production Base

田边精机在福建武平县兴建生产基地，成立田边(福建)智能装备有限公司，集自主研发、制造、销售、服务为一体;为进一步满足市场需求，田边再次投资建造一座占地面积40000㎡的现代化压缩机制造中心。

Tecbell is establishing a production base in Wuping County, Fujian Province, through the newly founded Tecbell (Fujian) Intelligent Equipment Co., Ltd. This integrated facility encompasses independent R&D, manufacturing, sales, and after-sale service. To further meet market demands, Tecbell is investing in construction of a modern compressor manufacturing center covering over 40,000 square meters.



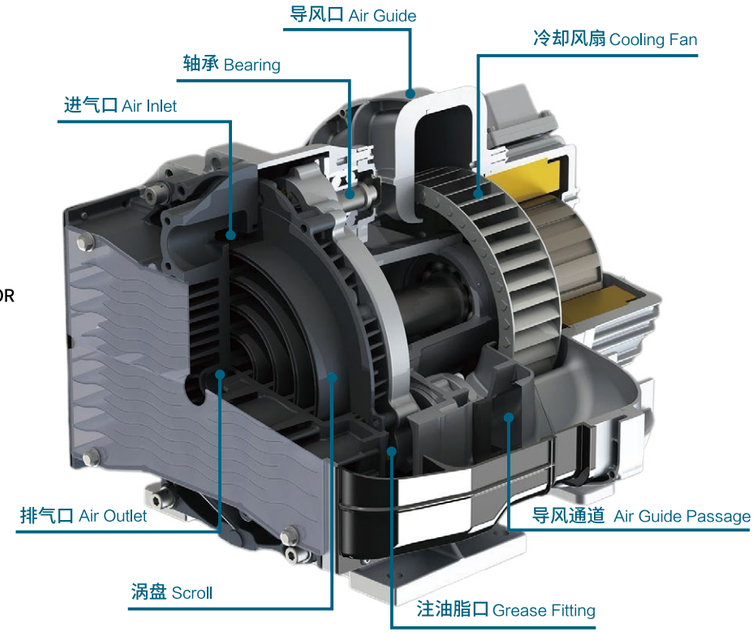
2006
成立
Established

40000㎡
现代化压缩机制造中心
Modern Compressor Manufacturing Center

20+
国内办事处
Domestic Offices Across China

100+国家
countries
核心业务遍布全球
Core Business Presence in Worldwide

涡旋式压缩原理图
SCROLL COMPRESSION PRINCIPLE DIAGRAM



涡旋式
压缩机主机
SSCROLL COMPRESSOR
MAIN UNIT

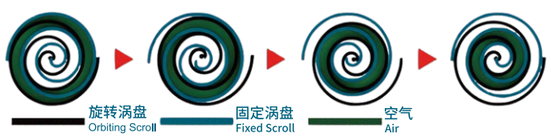
涡旋空气压缩过程
SCROLL AIR COMPRESSION PROCESS

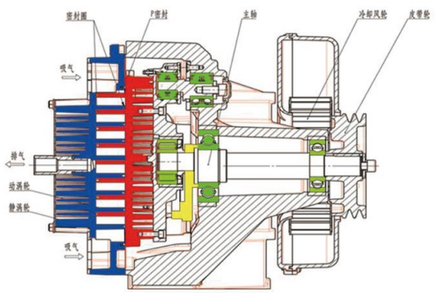
1、旋转涡盘按图1-2-3-4的顺序旋转；
The rotary scroll rotates in the sequence of 1-2-3-4 (as shown in the diagram).

2、空气经压缩后从中心部位排气口排出；
After being compressed, the air is discharged from the exhaust port at the center.

3、月牙状的压缩室容积慢慢变小；
The volume of the crescent-shaped compression chamber gradually decreases.

4、空气再次循环压缩。
The air is compressed again in the next cycle.

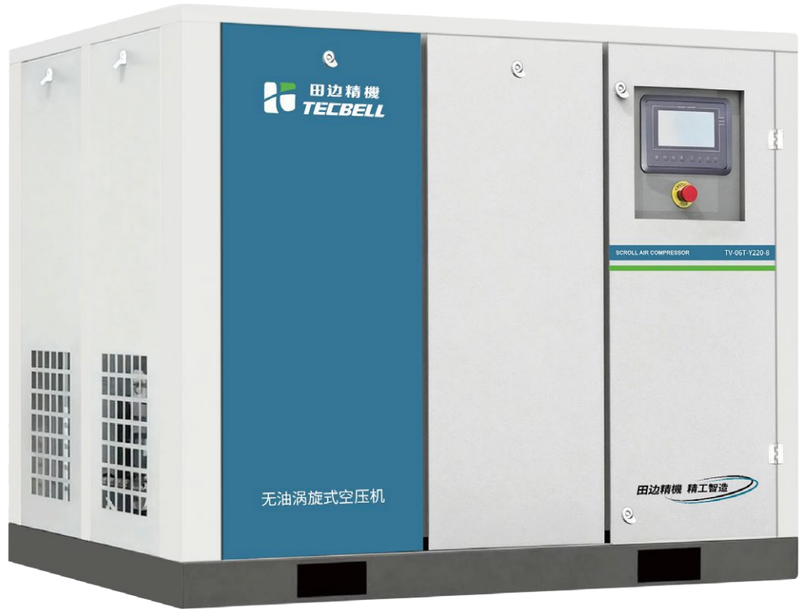




涡旋式压缩机结构图
Scrolling Compressor Structure Diagram

内部结构优越实现空间散热
OPTIMAL INTERNAL LAYOUT FACILITATES EFFICIENT HEAT DISSIPATION THROUGHOUT THE UNIT

搭载2-10台主机组合压缩机，满足各种工况。
It features a compressor unit combining 2 to 10 main units (air ends), capable of meeting the demands of various operating conditions.



产品特点
PRODUCT FEATURES

- 空气中没有油/碳的污染使用寿命长。
  It features no oil/carbon pollution in the air and a long service life.
- 需更换润滑油及其油过滤器，无废置液处理。
  There is no need to replace lubricating oil and its oil filter, and no waste liquid disposal is required.
- 在全寿命周期，每年只需花费1.5小时进行预防性保养和检查过滤器是否堵塞及清洁情况。
  Throughout the entire service life cycle, only 1.5 hours per year are needed for preventive maintenance and inspection of filter clogging and cleanliness.
- 运动部件少，结构简单，可靠性高。
  With few moving parts, simple structure, it boasts high reliability.
- 工作时动静盘不接触振动、噪音小。
  During operation, the dynamic and static discs are non-contact, resulting in low vibration and noise.

TV系列无油涡旋空压机参数表

SPECIFICATIONS FOR TV SERIES OIL-FREE SCROLL AIR COMPRESSORS

产品型号 Models	额定功率 Power (kW)	排气压力 Pressure (MPa)	排气量 Flow rate m^3/min	冷却方式 Cooling Method	出口尺寸 Outlet Size	噪音 Noise dB(A)	外形尺寸 Dimension mm(LxWxH)	重量 Weight (kg)
TV05T-Y37-8	3.7	0.8	0.4	风冷 Air-Cooled	G1/2"	63	680*640*950	134
TV05T-Y75-8	7.5(3.7x2)		0.8		G1"	63	1180*760*1250	280
TV05T-Y110-8	11(3.7x3)		1.2		G1"	64	1180*760*1690	496
TV05T-Y150-8	15(3.7x4)		1.6		G1-1/2"	64	1500*1180*1250	554
TV05T-Y185-8	18.5(3.7x5)		2.0		G1-1/2"	65	1420*1010*1510	808
TV05T-Y220-8	22(3.7x6)		2.4		G1-1/2"	65	1420*1010*1510	878
TV05T-Y260-8	26(3.7x7)		2.8		G1-1/2"	65	1650*1550*1950	1041
TV05T-Y300-8	30(3.7x8)		3.2		G1-1/2"	68	1650*1550*1950	1110
TV05T-Y333-8	33(3.7x9)		3.6		G1-1/2"	68	1650*1550*1950	1200
TV05T-Y370-8	37(3.7x10)		4.0		G1-1/2"	68	1650*1550*1950	1350
TV06T-Y55-8	5.5	0.8	0.6	风冷 Air-Cooled	G 1/2"	63	680*640*960	151
TV06T-Y110-8	11(5.5x2)		1.2		G 1"	64	1180*760*1250	350
TV06T-Y165-8	16.5(5.5x3)		1.8		G1"	64	1180*760*1690	556
TV06T-Y220-8	22(5.5x4)		2.4		G1 1/4"	65	1500*1180*1250	643
TV06T-Y275-8	27.5(5.5x5)		3.0		G1 1/2"	65	1500*1180*1690	785
TV06T-Y330-8	33(5.5x6)		3.6		G1 1/2"	66	1500*1180*1690	870
TV06T-Y385-8	38.5(5.5x7)		4.2		G1 1/2"	68	1650*1550*1500	1201
TV06T-Y440-8	44(5.5x8)		4.8		G1 1/2"	68	1650*1550 1500	1413
TV06T-Y495-8	49.5(5.5x9)		5.4		G1 1/2"	68	1650*1550*1950	1500
TV06T-Y550-8	55(5.5x10)		6.0		G1 1/2"	68	1650*1550*1950	1613

注:T-Y为皮带工频机,压力感应控制机器启停,电源为380V/3N/50Hz,需要220V永磁机可定做;以上机型可使用10公斤,功率不变,流量降15%;**环境温度低于0°C时管道内的冷凝水需要及时排出防止冻结。**

Note: The T-Y model is a belt-driven power frequency machine with pressure-sensing control for startup and shutdown, and its power supply is 380V/3N/50Hz. The 220V permanent magnet machine can be customized upon request; all the above models can operate at 10 bar pressure with unchanged power but a 15% reduction in flow rate. When the ambient temperature is below 0°C, the condensed water in the pipeline must be drained in a timely manner to prevent freezing.

产品优势

PRODUCT ADVANTAGES

全无油涡旋空气压缩机

FULLY OIL-FREE SCROLL AIR COMPRESSOR

1、工作过程无须添加任何油品介质
No oil medium is required throughout the working process

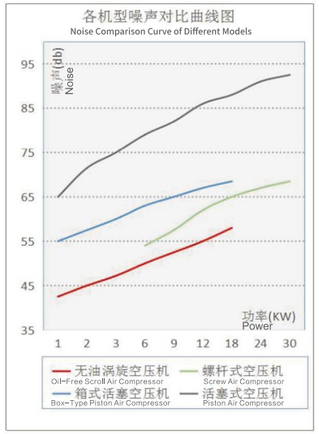
2、涡旋压缩持续做工没有无用功
Provides sustained work output with no wasted energy or idle strokes

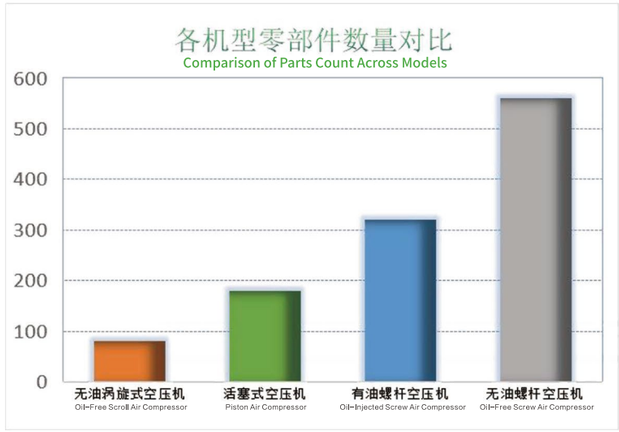
3、低噪音、静音环保
Low Noise & Quiet Performance

4、旋转压缩结构连续运动无往复
The rotating compression structure operates smoothly without reciprocating movement

5、零排放、绿色环保
Zero Emissions & Eco-Friendly

6、低电耗、节能环保
Low Power Consumption & Energy Saving





三大环保特性

SCROLL AIR COMPRESSION PROCESS

