激光切割专用螺杆机参数表
Parameter table of screw machine for laser cutting

型号 Model	额定功率 Power (KW)	容积流量 Exhaust (m^3/min)	工作压力 Pressure (bar)	重量 Weight (kg)	外形尺寸 Overall size (L×W×H mm)	冷却方式 Cooling method	出口尺寸 Outlet size	储气罐容积 Volume of Air tank (L)
TA-11A/15PM	11	0.80	15	300	1150x700x1050	风冷 air cooling	Rp3/4"	/
TA-11A/15PM-3DB				520	1900x700x1600			300
TA-15A/15PM	15	1.00		320	1150x700x1050			/
TA-15A/15PM-3DB				550	1900x700x1600			300
TA-22A/15PM	22	2.30		460	1400x900x1250			/
TA-22A/15PM-3DB				600	1900x900x1860			300
TA-37A/15PM	37	3.50		650	1550x1000x1350		Rp1"	/
TA-37A/15PM-5DB				1050	2100x1000x2000			500

* 田边精机对产品享有设计变更权，设备资料、规格参数等如有变更，敝公司不做另行通知
* 四合一撬装，集成：空气压缩机、储气罐、冷干机和精密过滤器
* 详细规格请查阅《技术规格说明书》或咨询销售人员

*Tecbell reserves the right to change the design of its products. If there are any changes to equipment information, specifications, etc., our company will not give further notice
*The model with gas storage tank is a four-in-one skid-mounted model, which integrates an air compressor, gas storage tank, cold dryer and precision filter
*For detailed specifications, please refer to the "Technical Specifications" or consult the sales staff

型号说明
Model Description

TA - 22A / 15PM - 3DB

- TA：直联螺杆式空压机 Direct screw air compressor
- 22：电机功率(kW) Motor Power(kW)
- A：冷却方式(A-风冷W-水冷) Cooling method(A-air/W-water)
- 15：压力规格(bar) Pressure(bar)
- PM：永磁变频 Permanent magnet variable-speed
- 3：储气罐容积（3×100L） Air tank capacity(3×100L)
- D：冷干机 Dryer
- B：过滤器 Precision filter

TA SERIES 2026.10

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

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Operations Center

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TECBELL (FUJIAN) INTELLIGENT EQUIPMENT CO.,LTD

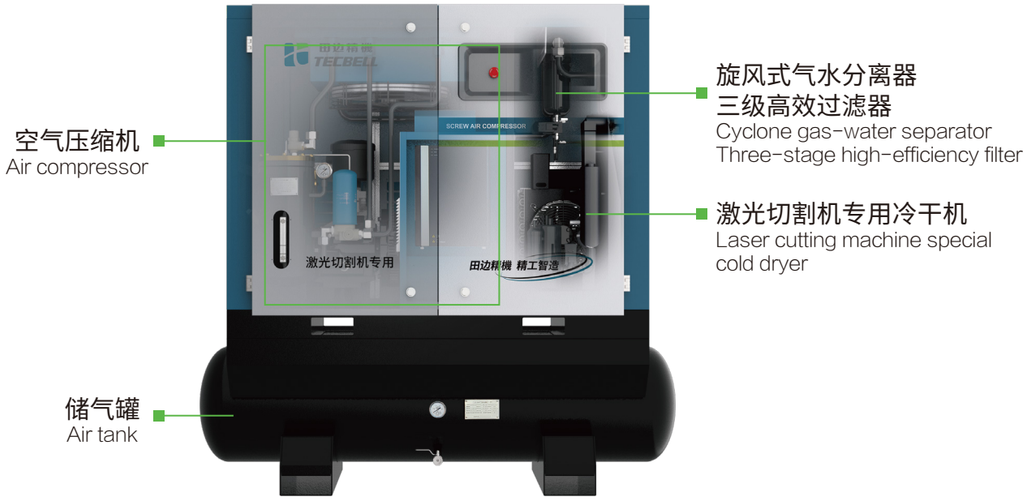
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田边精機 TECBELL



激光切割专用
Special for laser cutting machine
螺杆式空气压缩机
Screw Air Compressors

即插即用 所有部件一体集成整机交付
Plug and play All components are integrated and delivered as a complete machine



撬装一体式设计
Skid mounted integrated design

- 移动式空压站，结构紧凑，占地面积小；安装维护便捷，即插即用，方便快捷，有效降低安装成本。
  The mobile air compressor station has a compact structure and occupies a small area. It is easy to install and maintain, plug and play,convenient and fast, and effectively reduces the installation cost.

大冗余设计
Large redundancy design

- 采用低转速大主机设计，产气量大、节能、噪音小；
  The low-speed large main engine design has large gas production, energy saving and low noise;
- 配备重载型SKF轴承,轴承承载能力提升,主机运转稳定,有效提高整机的使用寿命。
  Equipped with heavy-duty SKF bearings, the bearing load capacity is improved, the main engine runs stably, and the service life of the whole machine is effectively extended

低能耗
Low energy consumption

- 配置激光切割机专用冷干机，采用不锈钢板式换热器，效率高，露点低。
  The laser cutting machine is equipped with a special cold dryer, which uses a stainless steel plate heat exchanger with high efficiency and low dew point.

气体纯净
Gas purity

- 标配旋风式气水分离器和三级高效过滤器，有效滤除油污和杂质，确保用户端气体纯净。
  Standard cyclone gas-water separator and three-stage high-efficiency filter can effectively filter out oil and impurities to ensure pure gas at the user end.

激光切割的压缩空气技术要求
Compressed air technical requirements for laser cutting

激光切割的压缩空气品质建议标准要求
Recommended standard requirements for compressed air quality for laser cutting

气压要求	Air pressure requirements	≥1.0Mpa
固体颗粒	Solid particles	≤0.01μm
压力露点	Pressure dew point	≤7℃
水、油、气	Water, oil and gas	≤0.001ppm

压缩空气质量不达标，残留的水油气和固体颗粒会污染切割机保护镜片，影响激光束的传输，使焦点分散，造成产品切不透，产生废品，甚至烧坏激光头。

If the quality of compressed air does not meet the standard, the residual water, oil, gas and solid particles will pollute the protective lens of the cutting machine, affect the transmission of the laser beam, disperse the focus, cause the product to not be cut through, produce waste, and even burn the laser head.

田边精机1.5Mpa高压激光切割机专用空压机采用撬装一体式设计，节省空间，将需要的所有部件都集成在外壳中，即插即用，高品质高效率空压机标配旋风式气水分离器和三级高效过滤器，有效滤除油污和杂质。

Tecbell 1.5Mpa high-pressure laser cutting machine special air compressor adopts a skid-mounted integrated design to save space. All the required components are integrated in the shell, plug and play, high-quality and high-efficiency air compressors are equipped with cyclone air-water separators and three-stage high-efficiency filters to effectively filter out oil and impurities.

四合一撬装：集成空气压缩机、储气罐、冷干机和精密过滤器
4in1 skid mounted: integrated air compressor, air tank, dryer and precision filter

