

PM-TK Series

Product

introduction



Revised by Emma Kwok (Nov.10th,2020)

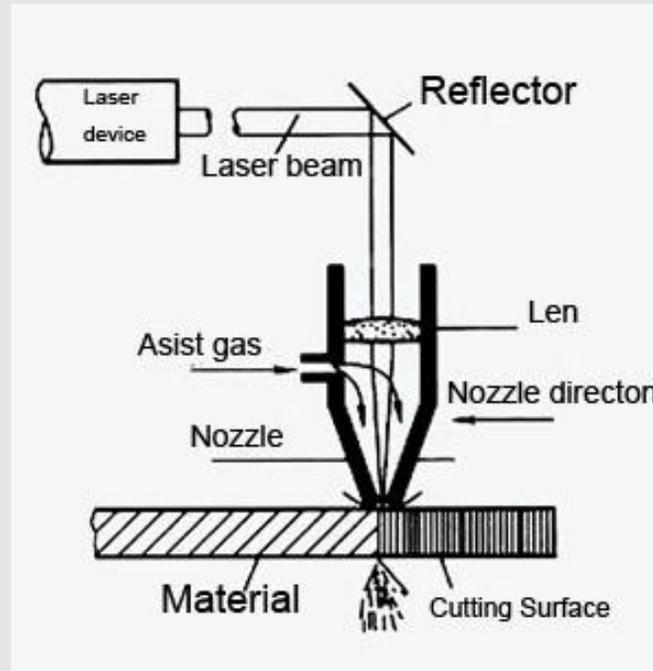


Why we need pure and dry compressed air?

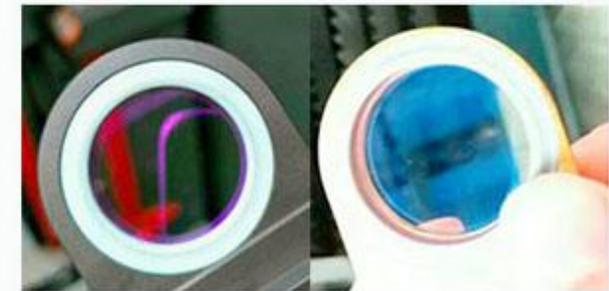
Laser cutting with filtered, compressed air can be faster than cutting with oxygen or nitrogen—typically 300 to 320 ipm—and although there is an initial investment in the proper equipment, filtered, compressed air costs less in the long term due to its lower cost compared to "traditional" assist gases.

Common faults for laser cutting machine:

- Burn the inner wall of len
- The wire and thread of lens blend into one
- Badly damage to focusing len
- Mist or grease occur to reflector
- The interation pin is damaged



Compressed air with fog and oil will affect the beam transmission and lead to seriously focus decentralization when spray to lens, finally result in incomplete piercing and defect products.



Clear lens

Contaminated len

1

Reasons that you choose PM-TK series

- Integration of air compressor, air tank, and air dryer
- Save the trouble of installation
- Save you time and cost to communicate with various of suppliers for different component
- Concentrate your energy in post-sales service or maintenance
- Less components, less loss after long-term working

01

Easy installation
Integration

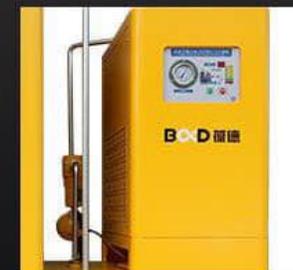
- Air compressor, tank and dryer integration
- Avoid the trouble of installation
- Avoid the trouble from the hassle of requiring multiple vendors to provide services



Filter



Tank



Dryer

2

Reasons that you choose PM-TK series

- Smart IoT system--self-patent Baldor Cloud(easy for checking from PC port or mobile port).
- Instant and 24 hours-continuous monitoring supported
- Running failure data and warning reports history playback supported.
- With your account log in, multiple machines are under monitoring from anywhere and anytime.

02

Smart
IoT Sys



PC ports can show the dynamic running data of compressor and review history failure and warning.

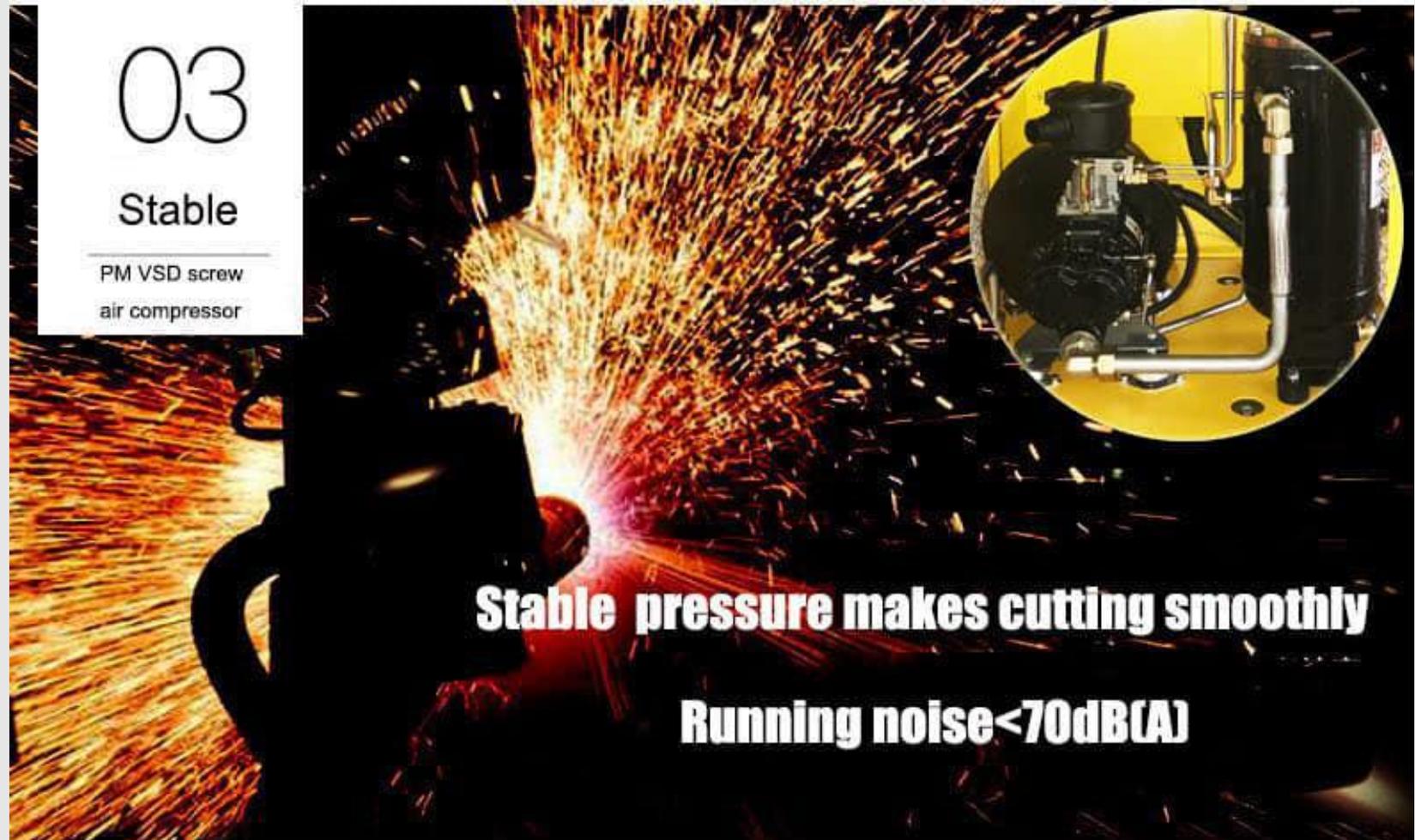


Log in account through APP ports can track all information of compressor at any place at any time and so that you can take quick response to solve problem of compressor.

3

Reasons that you choose PM-TK series

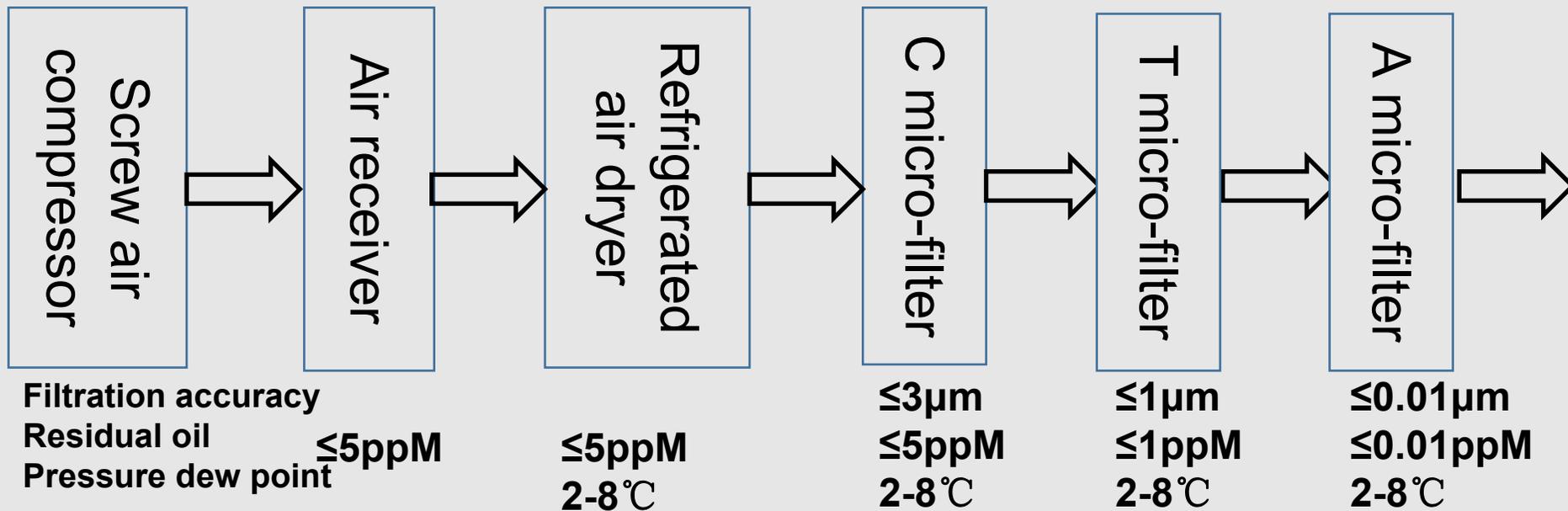
- High efficient PM VSD screw air compressor
- Stable pressure helps a smoothly cutting
- working noise less than 70dB(A)





Integrated Air Compressor for laser cutting

- Provide clean and dry compressed air for laser cutting equipments.
- ———Pressure dew point 2-8°C(35.6°F-46.4°F)
- ———oil content in compressed air is no more than 0.01ppM
- ———Particle filtration accuracy is 0.01μm





Technical data of

Integrated Air Compressor for laser cutting

Technical data of Integrated Air Compressor for laser cutting

Model	Nominal volume flow (CFM)	Rated discharge pressure (PSI)	Motor power (HP)	Start-up mode	Dimensions (L*W*H feet)	Air outlet size
BD-11TK	34.25	232	15	VFD startup	5.2'*2.45'*5.2'	Rc3/4"
BD-15TK	44.84		20			
BD-18TK	63.56		25		5.62'*2.62'*5.10'	Rc3/4"
BD-22TK	81.21		30			
BD-22TK-25	42.37	362	30		5.62'*2.62'*5.10'	Rc3/4"

Thank you!!!



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