



## Born for laser cutting applications!



1. All-in-one air solution designed for laser cutting process.
2. Latest VSD technology brings perfect energy saving.
3. Robust operation for clean compressor air providing.
4. Plug and play.
5. Compact unit and easy installation.



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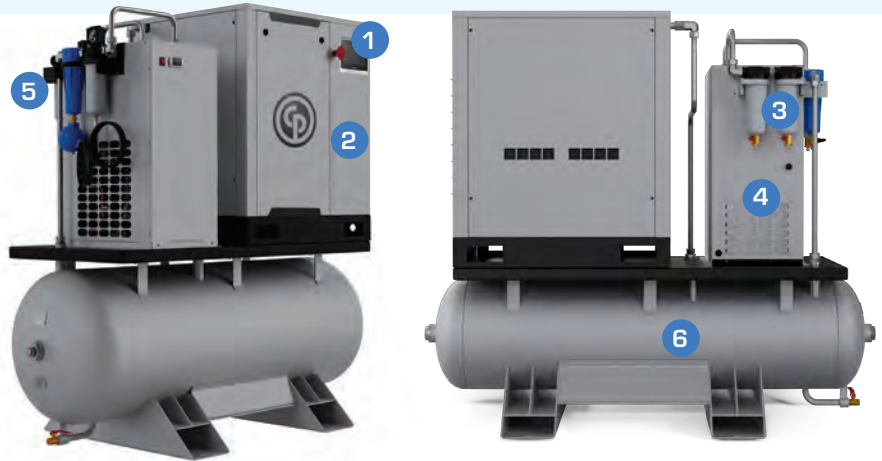
# Laser cutting air compressor application

Compared with gas cutting, plasma cutting, die punching, sawing, wire cutting, water cutting, EDM and other traditional cutting processes, with cutting speed, small slit, high cutting accuracy, small material deformation, economic and other advantages, shearing machine and other traditional cutting equipment will be gradually replaced by laser cutting machine.

In the process of laser cutting, the compressed air plays a key role in promoting combustion and heat dissipation while blowing the melted liquid away from the material and protecting the lens. If the oil content









and water content of the compressed air are high, water and oil accumulate on the surface of the lens, affecting the transmission of the laser beam, causing the focus to disperse, resulting in poor roughness and even sub-quality output. There is also the risk of damaging the lens and burning the laser head, greatly reducing the lifetime of the laser cutting machine and increasing operating costs. Therefore, the pressure, oil content, water content of compressed air and the stability of machine have high requirements, our products are tailored to the application requirements of laser cutting.

## Innovative technical advantages



- 1 Controller :**
  - Reliable VSD control system
  - Managing stably operation
  - Friendly human- machine interface
- 2 Pack compressor :**
  - IE5/IP23 PM motor; higher efficiency
  - Integrated drive chain with direct drive, less mechanical loss
- 3 Filter :**
  - Pre and after filter cleaner and dryer air
- 4 Dryer:**
  - PDP is 3-5°C
- 5 WSD :**
  - Less water content
- 6 Tank :**
  - Cooling and filtering air; removing oil and water
  - Buffer air and energy saving

## Technical data

Model	Working pressure	Motor Power		Capacity			Noise Level dB(A)		Weight	Connection	Dimension	Tank
												
	Mpa	HP	kW	l/s	cfm	m <sup>3</sup> /min	50Hz	60Hz	kg		LxWxH(mm)	L
EPM 15	1.5	20	15	8.6 - 22.8	18 - 48	0.5 - 1.4	70	71	240	R3/4"	905x740x1011	
EPM 22	1.5	30	22	11.0 - 35.7	23 - 76	0.7 - 2.1	70	71	260	R1"	1005x895x1279	
EPM 15 TMDD	1.5	20	15	8.6 - 22.8	18 - 48	0.5 - 1.4	70	71	587	G1"	1887X900X1813	500
EPM 22 TMDD	1.5	30	22	11.0 - 35.7	23 - 76	0.7 - 2.1	70	71	657	G1"	1887X920X2085	500

Power supply: 400V/50Hz & 380V/60Hz. Please contact local sales team if any inquiry  
Unit performance measured according to ISO1217, Annex C, latest edition and ISO 2151

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