

HOW TO MAINTAIN THE AIR COMPRESSOR OF LASER CUTTING MACHINE?

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The air compressor is an integral part of the laser cutting machine system. First of all, let's talk about its concept. The air compressor is the main body of the air source device. It is the device that converts the mechanical energy of the prime mover (usually the motor) into the gas pressure energy, and it is the pressure generating device of compressed air. The following is the maintenance of its main parts.

1. Oil filter. Replace new parts every 2000 hours.

2. Oil vapor separator. A new part needs to be replaced every 4000 hours.

3. Safety valve. Check whether its action is sensitive every 4000 hours.

4. Drain valve. Drain water and dirt every 2000 hours.

5. Motor maintenance. Carry out maintenance according to the motor operation instructions.

6. Pressure valve. Clean every 4000 hours and check whether the opening pressure is normal.

7. Compressor lubricating oil. Check whether the lubricating oil is sufficient every 1000 hours and replace it every 4000 hours.

8. Drive belt. Adjust the tightness every 2000 hours, check the wear condition every 4000 hours, and decide whether to replace it according to the wear condition.

9. Air filter element. Generally, the dust and impurities on the surface of the air filter element should be removed every 500 hours, and the need for replacement should be checked every 2000 hours.

The inspection or replacement cycle can be extended according to the dust content

Long or short.

10. Intake valve seal. Check the condition of the sealing ring when the air compressor of the laser cutting machine works every 4000 hours, and replace it if necessary.

In order to ensure the normal and reliable operation of the air compressor of the laser cutting machine and ensure the service life of the unit, it is necessary to formulate a detailed maintenance plan, carry out regular operation, regular maintenance and regular inspection and maintenance, so as to keep the air compressor unit clean, free of oil and dirt.