

# AirCut

AIR PLASMA POWER SOURCE FOR CNC  
60A/120A/160A/200A/300A



## High performance

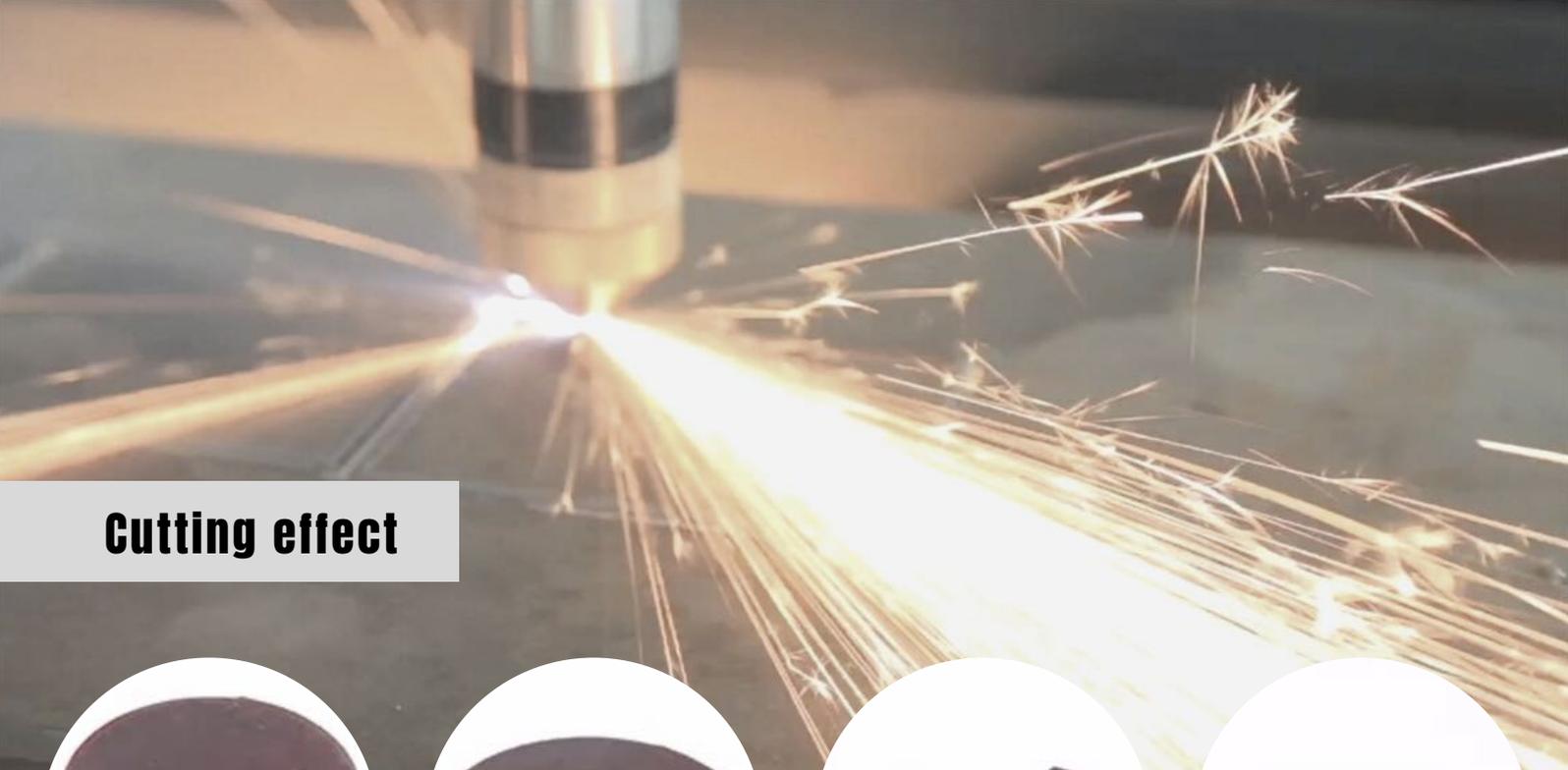
LGK series inverter type air plasma cutting machine, is a new design of metal processing equipment, Insulated gate high power transistor IGBT and pulse width modulation (PWM) soft switching technology are used to design and manufacture.



## Extensive application

The cutting machine can cut all metal materials, especially suitable for "flame cutting" can not achieve high alloy steel and non-ferrous metals. The series of cutting machines have reasonable static and external characteristics, and also have good dynamic characteristics, With high frequency arc starting function .Widely used in all kinds of machinery manufacturing industry.





## Cutting effect



20mm Carbon steel



16mm Carbon steel



16mm Carbon steel



5mm Carbon steel

## Feature

- The arc energy is highly concentrated, with good stability and strong cutting force
- Cutting speed (3-5 times of gas cutting)
- Cutting costs are low
- Incision stenosis. Clean and tidy; close to vertical
- Small deformation of workpiece
- The cutting current is adjustable continuously
- Easy arc setting
- The operation is very convenient
- Light weight, small size, easy to move
- High efficiency, high power factor, it is a kind of energy saving equipment
- Low noise and strong adaptability
- Has two functions of self-locking and non self locking, adapt to the length of slot without requirement, can reduce the labor intensity of workers
- Easy to form cutting equipment
- If there is a product update, no notice, our company promptly with the new product manual

## Specifications

| Model                               | AirCut-60A       | AirCut-120A | AirCut-160A                  | AirCut-200A                  | AirCut-300A                  |
|-------------------------------------|------------------|-------------|------------------------------|------------------------------|------------------------------|
| Rated input voltage                 | 3~380V/50HZ      |             |                              |                              |                              |
| Rated input capacity                | 15.6KVA          | 22.4KVA     | 32.2KVA                      | 46.5KVA                      | 65.4KVA                      |
| Rated Output current                | 60A              | 120A        | 160A                         | 200A                         | 300A                         |
| Rated output voltage                | 100V             | 128V        | 144V                         | 160V                         | 200V                         |
| Rated load sustainability           | 100.00%          |             |                              |                              |                              |
| No-load voltage                     | 300VDC           | 300VDC      | 315VDC                       | 315VDC                       | 380VDC                       |
| Regulating range of current         | 30~60A           | 30~120A     | 30~160A                      | 30~200A                      | 30~300A                      |
| High quality cutting thickness      | 0.3-12mm         | 0.3-20mm    | 0.3-25mm                     | 1-35mm                       | 1-45mm                       |
| Maximum cutting thickness           | 20mm             | 30mm        | 35mm                         | 45mm                         | 55mm                         |
| Use of plasma gas                   | compressed air   |             |                              |                              |                              |
| Working gas pressure                | 0.4~0.6MPa       |             |                              |                              |                              |
| The cooling method of cutting torch | air-cooled       | air-cooled  | air-cooled/<br>water-cooling | air-cooled/<br>water-cooling | air-cooled/<br>water-cooling |
| Arc ignition mode                   | Non contact mode |             |                              |                              |                              |
| Insulation grade                    | F                |             |                              |                              |                              |



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