

Laser Ceramic Cutting Machine

AP-CC-05I

Introduction:

The equipment adopts a high-precision optical system, equipped with a highly stable working platform. It is used for high-energy laser processing such as marking, drilling, and cutting on ceramic materials like aluminum oxide and aluminum nitride.

Features:

- High-precision optical system, highly stable working platform.
- Non-contact processing, optically maintenance-free.
- Good product consistency, high yield.
- Industrial design, ensuring processing precision and operational stability under 24/7 operation.



Specifications subject to change without notice

Main Specifications:

| Parameter | Specification |
|--------------------------------|--------------------------------------------------------------------|
| Laser type | Fiber laser |
| Processing ceramic thicknesses | ≤2 mm / 0.0787 inch |
| Cutting shape | Linear or irregular |
| Cutting speed | 15 pcs/h @ 10X23 mil (4 inch) |
| Cutting material | Ceramics like aluminum oxide and aluminum nitride |
| Power supply | AC 208V 50/60 Hz; total 5 kW (including vacuum and cooling system) |
| Cooling method | Water cooling |
| Outer dimensions | 1205X1270X1882 (mm) / 3.95 X 4.17 X 6.17 (ft) |
| Total weight | 1.21 (Ton) |
| Working environment | 15 - 30 °C, humidity 20 - 80% |

Applications:

Cutting and drilling on ceramics like aluminum oxide and aluminum nitride.

Samples:



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