

# YKD 6006 MPCVD

**Eliminates Diamond Mining,**  
YKD provides a comprehensive  
solution of MPCVD to grow high  
quality diamonds



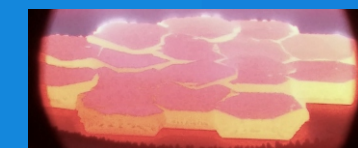
YKD 6006 Microwave Plasma CVD has been renovated to large deposition stage 3" which can grow more high-quality CVD diamond including crystalline and polycrystalline diamonds for various application. Further, it runs long duration production process with stability and reliability.

## Main Specification

Microwave Power  
Chamber Material  
Stage Type  
Stage Moving  
Substrate Holder  
Standard Gas Channel  
Operation Pressure Range  
Vacuum Leak Integrity  
(By He Leak Detector)  
Vacuum Pump Type  
System Dimension (approx.).  
System Weight (approx.)

6kW (2.45GHz)  
Stainless Steel  
Water-cooled  
Z-axis  
63.5mm 2 1/2" Diameter  
3 channels (H<sub>2</sub>/CH<sub>4</sub>/N<sub>2</sub>)  
10-200 Torr  
<1x10<sup>-9</sup> mbar. 1/sec

Rotary Vacuum Pump 18/22 m<sup>3</sup>/h (50/60Hz)  
1450 mm Wx 840 mm Dx 1950 mm H  
350 Kilos 770 lbs



**Multiple seeds growth**



**Energetic 3" diameter  
plasma at 200 Torrs 6KW**

## Features:

Water cooled metal chamber and stage with Z-axis  
Stable process over low to high power density plasma  
Multi quartz ports for in-situ monitoring and diagnostics  
User-friendly GUI

