### CD-G7 5-axis NC PCD&PCBN tool grinding machine

#### CD-G7-2
- 2-axis Basic mode

#### CD-G7-4
- 4-axis mode

#### TECHNICAL DATA

<table>
<thead>
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<th>Model</th>
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<th>CD-G7-3</th>
<th>CD-G7-4</th>
<th>CD-G7-5</th>
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</thead>
<tbody>
<tr>
<td>Model</td>
<td>2-axis Basic mode</td>
<td>3-axis mode</td>
<td>4-axis mode</td>
<td>5-axis mode</td>
</tr>
<tr>
<td>Spindle Drive Motor</td>
<td>2P 3Hp (2.2kw)</td>
<td>3500rpm (PCB)</td>
<td>Program controlled</td>
<td>Program controlled</td>
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<tr>
<td>Spindle Speed</td>
<td>0~3500rpm (Program controlled)</td>
<td>0~3500rpm (Program controlled)</td>
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<td>0~3500rpm (Program controlled)</td>
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<tr>
<td>X-Axis Reversal</td>
<td>Hitachi 180mm</td>
<td>300mm</td>
<td>350mm</td>
<td>400mm</td>
</tr>
<tr>
<td>Y-Axis Reversal</td>
<td>Hitachi 180mm</td>
<td>300mm</td>
<td>350mm</td>
<td>400mm</td>
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<tr>
<td>Z-Axis Reversal</td>
<td>Hitachi 180mm</td>
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<td>A-Axis Reversal</td>
<td>Hitachi 180mm</td>
<td>300mm</td>
<td>350mm</td>
<td>400mm</td>
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<tr>
<td>B-Axis Reversal</td>
<td>Hitachi 180mm</td>
<td>300mm</td>
<td>350mm</td>
<td>400mm</td>
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<tr>
<td>Servo System</td>
<td>Program controlled</td>
<td>Program controlled</td>
<td>Program controlled</td>
<td>Program controlled</td>
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<tr>
<td>Coolant System</td>
<td>1/8 Hp Coolant System</td>
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CD-G7

CCD顯微鏡測系統
十段倍率多功能炫焦顯示器，搭配高解析度CCD感應器，大型液晶顯示器，輕鬆觀測微尺寸之刀具外觀，於研磨的過程中，隨時觀察研磨刀具情形，並量測刀具長度。精密設計的顯微鏡系統，鏡頭部分具有防護鏡片，防止銑鋸磨損，研
磨消極輸入鏡頭，亦增加顯微鏡縮放壽命。

CCD Video scope system
The microscope has 10-time magnifications. With the high sensitivity CCD camera and big LCD screen, users can easily observe small tools. During grinding, users can constantly monitor the tools and measure the radius of the tool. The microscope system is sealed and protected and it has safety lense to stop grind dust and coolant from getting in, so it is more durable.

伺服控制系統
友善的操作介面，操作者不需學習操作程序，傻瓜式的教學，利用手輪、搖桿
搭配觸控螢幕，可輕易的操控機器、設定系統的位置、速度、轉向、加減速曲線。各項參數。
Servo control system
Friendly operational interface. Users don’t need to learn how to write the program. Fool-proof tutorial. Using the handwheel, joystick and the touch screen, users can operate the machine easily, including setting up the parameters of the system (system locations, speeds, turning directions and acceleration/deacceleration curves).

操作介面
提拱多國語言，提供簡易且快速的切換，並具有資料庫功能，將所研磨過的刀具尺寸，砂輪尺寸履歷輸入，系統，資料庫，載入執行畫面內。
Operational interface
We provide multilingual options. Users can switch between languages easily and quickly. There is also a built-in database, users can save all the parameters of the tools (including the distance and speed of traversing) in the data base. Saving and loading processes are very quick and easy.

標準T形刀架座
提供多種快速拆換的刀架選擇，也可依使用者特殊刀具需求製作，且只需使用後方扳手，即可快速鎖定刀架，放鬆後方固定扳手，即可快速移動整個刀架位置進行拆換。

Standard T-shaped tool stand
We provide several kinds of quick clamping holder which are all very easy to loosen and change. It can also be custom-made according to the special tools. Users can use the handle at the back to quickly lock the tool stand. Release the handle at the bottom, then users can quickly move or change the whole stand.

可調式刀架座(選購配件)
同様提供快速拆換的刀架選擇，同時具備升降位置調整30mm (Y向) 以及10～20度傾角調整 (C向)，如此搭配機台本身砂輪傾角tering 25° (O向) 即可研磨最大傾角之刀具。

Adjust tool stand (Optional accessories)
It can also be quickly disassembled. However, it can move along the F-axis up/down 30mm and users can adjust the G-axis inclination from 0° to 25°. With the machine’s B-axis inclination (between 0° to 25°), it would be able to grind tools with large clearance angle.

手動A軸刀架座(選購配件)
夾持圓角刀具，研磨銑刀，鈑削刀...各式刀具。
Manual A-axis Rotational tool stand (Optional accessories)
It supports all kinds of tools, including end mill, engraving bits...

拆換式法蘭
直接拆換法蘭，更換不同號砂輪後，不需再一重複修整砂輪，維持砂輪平整。
Wheel flange with extractor
Users can take down the flange directly and change for a different wheel. There is no need to repeatedly dress to keep the wheel face level.

砂輪修整附件(選購配件)
機車式砂輪修整，直接夾持於刀架座上，修整砂輪平整，不需將砂輪拆下。
Wheel dresser (Optional accessories)
Wheel dresser is equipped with a mechanical brake. Directly clamp on the tool stand to dress the wheel face. There is no need to take grinding wheel down.

1/8Hp標準0冷卻系統
提供大容量冷卻液循環
1/8Hp standard coolant system
It provides coolant circulation in large quantity

紙帶過濾式冷卻系統(選購配件)
利用過濾紙過濾廢屑，保持切削冷卻液清潔。
Paper filter coolant system (Optional accessories)
Using paper filter to filter out the grind dust so to keep the coolant clean.