



# Double Column Type Machining Center



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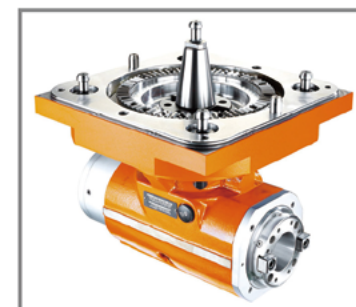
Web : <http://www.gudwaycnc.com>

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# GDC SERIES



## 选择配置 Select Configuration



全自动直角铣头  
Automatic rectangular milling head



双输出直角铣头  
Double-output right-angle milling head



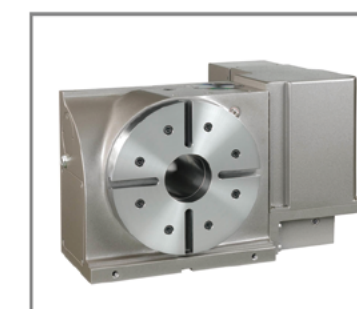
对刀仪  
Tool automatic setting



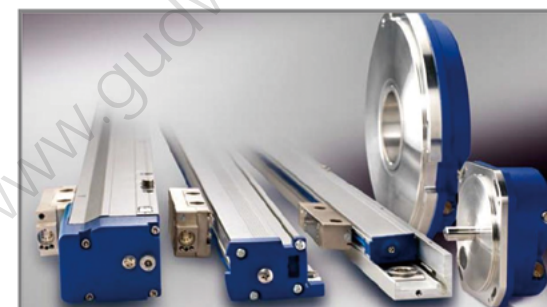
方型滑枕  
Square sliding ram



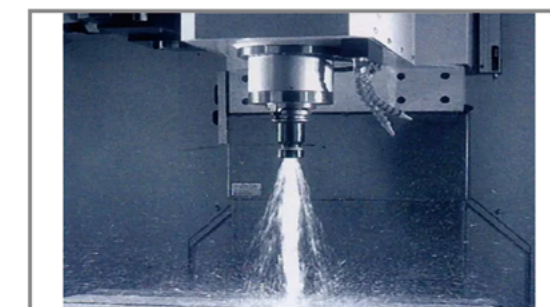
立卧刀库  
Vertical and horizontal tool magazine



数控转台  
CNC rotary table



全闭环光栅尺  
Full closed loop grating scale



主轴中心出水  
CTS (coolant through spindle)

| 项目              |            | Specification                           | 单位     | GDC8038            | GDC6038             | GDC8032         | GDC6032         | GDC5032         | GDC4032         | GDC8030         | GDC6030         | GDC4030         | GDC3030        |
|-----------------|------------|---|--------|--------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| 工作台             | 工作台宽度      | table width                             | mm     | 3000               | 3000                | 2500            | 2500            | 2500            | 2500            | 2200            | 2200            | 2200            | 2200           |
|                 | 工作台长度      | table length                            | mm     | 8000               | 6000                | 8000            | 6000            | 5000            | 4000            | 8000            | 6000            | 4000            | 3000           |
|                 | 工作台承重      | Max.load of table                       | KG     | 40000              | 35000               | 38000           | 30000           | 26000           | 22000           | 30000           | 22000           | 15000           | 10000          |
|                 | T型槽宽/间距/数量 | T-slots(width/distance/number)          |        | 28*200*15          | 28*200*15           | 28*200*11       | 28*200*11       | 28*200*11       | 28*200*11       | 28*200*11       | 28*200*11       | 28*200*11       | 28*200*11      |
| 加工范围            | X轴行程       | X-axis Travel                           | mm     | 8200               | 6200                | 8200            | 6200            | 5200            | 4200            | 8200            | 6200            | 4200            | 3200           |
|                 | Y轴行程       | Y-axis Travel                           | mm     | 4200 ( 4600、5800 ) | 4200 ( 4600、5800 )  | 3400            | 3400            | 3400            | 3400            | 3150            | 3150            | 3150            | 3150           |
|                 | Z轴行程       | Z-axis Travel                           | mm     | 1200               | 1200                | 1200            | 1200            | 1200            | 1200            | 1000            | 1000            | 1000            | 1000           |
|                 | 主轴端面到工作台距离 | Distance from spindle nose to worktable | mm     | 250-1450           | 250-1450            | 250-1450        | 250-1450        | 250-1450        | 250-1450        | 250-1250        | 250-1250        | 250-1250        | 250-1250       |
|                 | 龙门立柱间距离    | Distance between two columns            | mm     | 3800 ( 4200、5200 ) | 3800 ( 4200、5200 )  | 3200            | 3200            | 3200            | 3200            | 3000            | 3000            | 3000            | 3000           |
| 主轴              | 主轴规格       | Spindle taper                           |        | BT50-190           | BT50-190            | BT50-190        | BT50-190        | BT50-190        | BT50-190        | BT50-190        | BT50-190        | BT50-190        | BT50-190       |
|                 | 主轴电机功率     | Spindle motor                           | KW     | 22/26              | 22/26               | 22/26           | 22/26           | 22/26           | 22/26           | 22/26           | 22/26           | 22/26           | 22/26          |
|                 | 主轴转速       | Spindle speed                           | rpm    | 4000               | 4000                | 6000            | 6000            | 6000            | 6000            | 6000            | 6000            | 6000            | 6000           |
|                 | 刀具数量       | Magazine capacity                       |        | 24                 | 24                  | 24              | 24              | 24              | 24              | 24              | 24              | 24              | 24             |
| XYZ轴进给速度        |            | Feed speed ( X / Y / Z axis)            | mm/min | 1-8000             | 1-8000              | 1-8000          | 1-8000          | 1-8000          | 1-8000          | 1-8000          | 1-8000          | 1-8000          | 1-8000         |
| XYZ轴快移速度        |            | Rapid feed speed ( X / Y / Z axis)      | m/min  | 10/12/10           | 10/12/10            | 10/12/10        | 10/12/10        | 10/12/10        | 10/12/10        | 10/12/10        | 10/12/10        | 10/12/10        | 10/12/10       |
| 定位精度<br>(半闭环)   | X轴定位精度     | Positioning accuracy-X                  | mm     | 0.050              | 0.040               | 0.050           | 0.040           | 0.035           | 0.025           | 0.050           | 0.040           | 0.025           | 0.020          |
|                 | Y轴定位精度     | Positioning accuracy-Y                  | mm     | 0.030              | 0.030               | 0.025           | 0.025           | 0.025           | 0.025           | 0.020           | 0.020           | 0.020           | 0.020          |
|                 | Z轴定位精度     | Positioning accuracy-Z                  | mm     | 0.020              | 0.020               | 0.020           | 0.020           | 0.020           | 0.020           | 0.020           | 0.020           | 0.020           | 0.020          |
| 重复定位精度<br>(半闭环) | X轴重复定位精度   | Repeatability Positioning accuracy-X    | mm     | 0.035              | 0.030               | 0.035           | 0.030           | 0.025           | 0.016           | 0.035           | 0.025           | 0.016           | 0.013          |
|                 | Y轴重复定位精度   | Repeatability Positioning accuracy-Y    | mm     | 0.025              | 0.025 ( 0.26、0.26 ) | 0.018           | 0.018           | 0.018           | 0.018           | 0.014           | 0.014           | 0.014           | 0.014          |
|                 | Z轴重复定位精度   | Repeatability Positioning accuracy-Z    | mm     | 0.014              | 0.014               | 0.014           | 0.014           | 0.014           | 0.014           | 0.013           | 0.013           | 0.013           | 0.013          |
| 外形尺寸 (约)        |            | Dimension                               | mm     | 20000*7600*6200    | 15000*7600*6200     | 20000*6300*5400 | 15000*6300*5400 | 13000*6300*5400 | 11000*6300*5400 | 19000*5800*5600 | 14500*5800*5600 | 10300*5800*5600 | 8300*5800*5600 |
| 机床整体重量 (约)      |            | Weight                                  | T      | 90                 | 75                  | 85              | 68              | 59              | 52              | 71              | 57              | 45              | 38             |

工作台2500宽度 (含) 以上Z轴行程可选配1500mm  
Z axis travel could be optional 1500mm while the table width is not less than 2500mm



| 项目              |            | 单位                                      | GDC6022 | GDC4022         | GDC3022         | GDC3019        | GDC2519        | GDC2514        | GDC2014        |                |
|-----------------|------------|---|---------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| 工作台             | 工作台宽度      | table width                             | mm      | 1800            | 1800            | 1800           | 1500           | 1500           | 1200           | 1200           |
|                 | 工作台长度      | table length                            | mm      | 6000            | 4000            | 3000           | 3000           | 2500           | 2500           | 2000           |
|                 | 工作台承重      | Max.load of table                       | KG      | 15000           | 12000           | 10000          | 8000           | 7000           | 6000           | 5000           |
|                 | T型槽宽/间距/数量 | T-slots(width/distance/number)          |         | 28*180*9        | 28*180*9        | 28*180*9       | 22*160*9       | 22*160*9       | 22*140*7       | 22*140*7       |
| 加工范围            | X轴行程       | X-axis Travel                           | mm      | 6200            | 4200            | 3200           | 3100           | 2600           | 2600           | 2100           |
|                 | Y轴行程       | Y-axis Travel                           | mm      | 2500            | 2500            | 2500           | 1900           | 1900           | 1400           | 1400           |
|                 | Z轴行程       | Z-axis Travel                           | mm      | 1000            | 1000            | 1000           | 900            | 900            | 800            | 800            |
|                 | 主轴端面到工作台距离 | Distance from spindle nose to worktable | mm      | 200-1200        | 200-1200        | 200-1200       | 150-1050       | 150-1050       | 150-950        | 150-950        |
|                 | 龙门立柱间距离    | Distance between two columns            | mm      | 2200            | 2200            | 2200           | 1900           | 1900           | 1400           | 1400           |
| 主轴              | 主轴规格       | Spindle taper                           |         | BT50-190        | BT50-190        | BT50-190       | BT50-190       | BT50-190       | BT50-190       | BT50-190       |
|                 | 主轴电机功率     | Spindle motor                           | KW      | 15-18.5/22-26   | 15-18.5/22-26   | 15-18.5/22-26  | 15/18.5        | 15/18.5        | 15/18.5        | 15/18.5        |
|                 | 主轴转速       | Spindle speed                           | rpm     | 6000            | 6000            | 6000           | 6000           | 6000           | 6000           | 6000           |
|                 | 刀具数量       | Magazine capacity                       |         | 24              | 24              | 24             | 24             | 24             | 24             | 24             |
| XYZ轴进给速度        |            | Feed speed ( X / Y / Z axis)            | mm/min  | 1-8000          | 1-8000          | 1-8000         | 1-8000         | 1-8000         | 1-8000         | 1-8000         |
| XYZ轴快移速度        |            | Rapid feed speed ( X / Y / Z axis)      | m/min   | 12/12/10        | 12/12/10        | 12/12/10       | 12/12/10       | 12/12/10       | 12/12/10       | 12/12/10       |
| 定位精度<br>(半闭环)   | X轴定位精度     | Positioning accuracy-X                  | mm      | 0.040           | 0.025           | 0.020          | 0.020          | 0.018          | 0.018          | 0.016          |
|                 | Y轴定位精度     | Positioning accuracy-Y                  | mm      | 0.020           | 0.020           | 0.020          | 0.015          | 0.015          | 0.015          | 0.015          |
|                 | Z轴定位精度     | Positioning accuracy-Z                  | mm      | 0.018           | 0.018           | 0.018          | 0.015          | 0.015          | 0.015          | 0.015          |
| 重复定位精度<br>(半闭环) | X轴重复定位精度   | Repeatability Positioning accuracy-X    | mm      | 0.026           | 0.016           | 0.012          | 0.012          | 0.012          | 0.012          | 0.012          |
|                 | Y轴重复定位精度   | Repeatability Positioning accuracy-Y    | mm      | 0.012           | 0.012           | 0.012          | 0.010          | 0.010          | 0.010          | 0.010          |
|                 | Z轴重复定位精度   | Repeatability Positioning accuracy-Z    | mm      | 0.012           | 0.012           | 0.012          | 0.010          | 0.010          | 0.010          | 0.010          |
| 外形尺寸 (约)        |            | Dimension                               | mm      | 14200*5200*5300 | 10200*5200*5300 | 8300*5200*5300 | 8300*4300*4900 | 7300*4300*4900 | 7300*3800*4700 | 6300*3800*4700 |
| 机床整体重量 (约)      |            | Weight                                  | T       | 44              | 35              | 31             | 23             | 20             | 17.5           | 15             |