

## Technical parameter of sheet metal fiber laser machinery series

| Note | Technical parameter item        | High power fiber laser cutting machine  | Medium fiber laser cutting machine  | Ground rail large format fiber laser cutting machine                                  |
|------|---------------------------------|---|---|---|
| 1    | Model type                      | GF1530JH/GF2040JH/GF2060JH/GF2560JH/GF2580JH                                      | GF1530JH/GF1540JH/GF1560JH/GF2040JH/GF2060JH                                      | GF25120/GF30120/GF35120   |
| 2    | Cutting area                    | 1500mm*3000mm<br>2000mm*4000mm<br>2000mm*6000mm<br>2500mm*6000mm<br>2500mm*8000mm | 1500mm*3000mm<br>1500mm*4000mm<br>1500mm*6000mm<br>2000mm*4000mm<br>2000mm*6000mm | 2500mm*12000mm<br>3000mm*12000mm<br>3500mm*12000mm<br>Other formats can be customized |
| 3    | X Y axis max idle speed         | 160m/min  | 120m/min  | 80m/min   |
| 4    | X Y axis max acceleration speed | 2.0g  | 1.2g  | 0.8g  |
| 5    | Position accuracy               | 0.05mm  | 0.05mm  | 0.1mm/10m   |
| 6    | Repeat position accuracy        | 0.03mm  | 0.03mm  | 0.05mm/10m  |
| 7    | Lubricating system              | Auto lubricating system   | Auto lubricating system   | Auto lubricating system   |
| 8    | Extraction system               | Partition dust removal  | Auto dust removal   | Auto dust removal   |
| 9    | Dust extraction system          | Professional laser dust extraction filter (optional)                              | Professional laser dust extraction filter (optional)                              | Professional laser dust extraction filter (optional)                                  |
| 10   | Control software                | FSCUT8000   | FSCUT2000E/FSCUT4000E   | FSCUT8000   |
| 11   | Laser power                     | 10000W-30000W   | 1500W-3000W/4000W-8000W   | 6000W-30000W  |
| 12   | Laser generator                 | IPG/MAX/Raycus  | IPG/MAX/Raycus  | IPG/MAX/Raycus  |
| 13   | Fiber laser cutting head        | Boci/Precitec/Raytools  | Raytools  | Boci/Precitec/Raytools  |
| 14   | Servo motor                     | Yaskawa bus servo motor   | Yaskawa bus servo motor   | Yaskawa bus servo motor   |
| 15   | Reducer                         | Desbore   | Desbore   | Desbore   |
| 16   | Rack and pinion                 | Taiwan YYC/KH   | Taiwan YYC/KH   | Taiwan YYC/KH   |
| 17   | Guide rail                      | HIWIN   | HIWIN   | HIWIN   |
| 18   | Chiller                         | Water chiller   | Water chiller   | Water chiller   |
| 19   | Exchanging tables               | Paralleled exchanging type  | Paralleled exchanging type  | Large format working table  |
| 20   | Electrical supply               | AC 380V 50/60Hz   | AC 380V 50/60Hz   | AC 380V 50/60Hz   |
| 21   | Gas circuit configuration       | Professional three gas integrated one proportional valve                          | SMC proportional valve  | Professional three gas integrated one proportional valve                              |

| Note | Technical parameter item        | Open fiber laser cutting machine  | Medium-power fiber laser cutting machine             | Small Size fiber laser cutting machine              |
|------|---------------------------------|---|--|---|
| 1    | Model type                      | GF1530/GF1540/GF1560/GF2040/GF2060  | GF1510/GF2010/GF3015                                 | GF6060S/GF6060                                      |
| 2    | Cutting area                    | 1500mm*3000mm<br>1500mm*4000mm<br>1500mm*6000mm<br>2000mm*4000mm<br>2000mm*6000mm | 1500mm*1000mm<br>2000mm*1000mm<br>3000mm*1500mm      | 600mm*600mm   |
| 3    | X Y axis max idle speed         | 80m/min   | 80m/min  | 60m/min   |
| 4    | X Y axis max acceleration speed | 0.8g  | 0.8g   | 1.4g/0.8g   |
| 5    | Position accuracy               | 0.05mm  | 0.05mm   | 0.01mm  |
| 6    | Repeat position accuracy        | 0.03mm  | 0.03mm   | 0.004mm   |
| 7    | Lubricating system              | Auto lubricating system   | Auto lubricating system                              | Auto lubricating system                             |
| 8    | Extraction system               | Auto dust removal   | Auto dust removal                                    | Auto dust removal                                   |
| 9    | Dust extraction system          | Professional laser dust Extraction filter(optional)                               | Professional Laser Dust extraction filter (optional) | Professional laser dust Extraction filter(optional) |
| 10   | Control software                | FSCUT2000   | FSCUT8000  | FSCUT2000/AheadTechs                                |
| 11   | Laser power                     | 1500W-6000W   | 1500W-4000W  | 1500W-3000W   |
| 12   | Laser generator                 | IPG/MAX/Raycus  | IPG/MAX/Raycus                                       | IPG/MAX/Raycus                                      |
| 13   | Fiber laser cutting head        | Raytools  | Raytools   | Raytools  |
| 14   | Servo motor                     | Yaskawa bus servo motor   | Yaskawa bus servo motor                              | Raytools(linear motor)                              |
| 15   | Reducer                         | Desbore   | Desbore  | /   |
| 16   | Rack and pinion                 | Taiwan YYC/KH   | Taiwan YYC/KH  | /   |
| 17   | Guide rail                      | HIWIN   | HIWIN  | HIWIN   |
| 18   | Chiller                         | Water chiller   | Water chiller  | Water chiller                                       |
| 19   | Exchanging tables               | /   | /  | /   |
| 20   | Electrical supply               | AC 380V 50/60Hz   | AC 380V 50/60Hz                                      | AC 380V 50/60Hz                                     |
| 21   | Gas circuit configuration       | SMC proportional valve  | SMC proportional valve                               | SMC proportional valve                              |