MPX Series Laser Type

**MP-Laser**

Laser processing machine which fills your need

- High Precision
- Saving Energy
- Saving Space
- Customisable
- Low price
- Short lead time

Standard Optional Units

- Fiber Laser
  - CW Laser / Pulse Laser
- Scanner Head
- Short Focus Head
- Long Focus Head
- Coaxial Gas Nozzle
- High-speed Single Axis Unit
- Turning Table Unit
- Trunnion Unit

or

Desktop Higher Precision & Rigidity Model
Desktop Low Price Model
MPX Series Laser Type **MP-Laser**

Your own MP-Laser can be customised by combining selectable 2 models of base machine and standard optional units.

### Low Price Model
- **Stroke**
  - X:200 Y:200 Z:110mm
- **Feed rate (MAX)**
  - XYZ:12m/min
- **Repeatability**
  - ±0.002mm
- **Motor**
  - AC servomotor
- **Dimension**
  - W:480 D:725 H:820mm

### Higher Precision & Rigidity Model
- **Stroke**
  - X:140 Y:200 Z:100mm
- **Feed rate (MAX)**
  - XY:60 Z:12m/min
- **Repeatability**
  - less than ±0.001mm
- **Motor**
  - Linear motor (XY)
- **Dimension**
  - W:700 D:650 H:880mm
- **XY axis**
  - Scale feedback system

### Scanner Head
- **Specification**
  - Working area XY:120 Z:8.8mm
  - Scanning speed 12m/s
  - Pulse laser with parallel camera unit
- **Application**
  - Removal processing
  - Marking (3D)

### Short Focus Head
- **Specification**
  - Focal length 30mm
  - Spot diameter 9 μm
  - Focal depth 91.6 μm
  - Pulse laser with parallel camera unit
- **Application**
  - Removal processing

### Long Focus Head
- **Specification**
  - Focal length 60mm
  - Spot diameter 15 μm
  - Focal depth 300 μm
  - QCW fiber laser with coaxial camera unit
- **Application**
  - Welding, cutting

### Trunnion Unit
- **Specification**
  - Stroke inclining: ~5~120°
  - Turning: Unlimited
  - Rotation speed (MAX) 300rpm
  - The least command unit 0.01°
  - Repeatability less than 0.01°
- **Application**
  - Indexing
  - Simultaneous 5 axis machining

### High-speed Single Axis Unit
- **Specification**
  - Stroke 300mm
  - Feed rate (MAX) 180m/min
  - The least command unit 0.1 μm
  - Repeatability ±0.001mm
- **Application**
  - High speed machining

### Head Inclining Unit
- **Specification**
  - Stroke ±25°
  - Rotation speed (MAX) 8rpm (50° /s)
  - The least command unit 0.01°
  - Repeatability less than 0.01°
- **Application**
  - Indexing 4 axis machining