# 萬鈞伯裘書院
## 2022-2023 年度
## 承投提供 STEM 教育設備供應商

招標編號：**MKPC-T2223-014**

| **Laser Engraving & Cutting Machine x 1pc.** (Must fulfill the following Specifications) | | |
|---|---|---|
| Laser Tube Wattage | | 100Watt |
| Laser Type | | Sealed Co2 Glass Laser Tube |
| Cooling | | Water Cooled |
| Work Area | | 900x600mm(35.4" x 23.6") |
| Max Part Size (W x  L x H) | Front door closed | 1000x730x250mm(39.4″ x 28.7″ x9.0″) |
| | Pass-through door | 1000x∞x20mm(39.4" x  ∞" x0.8″) |
| Table Size | | 1000x730mm(39.4" x 28.7") |
| Z Axis Height | | 230mm(9.1″) |
| Dimensions (W x D x H) | | 1500x1105x1040mm(59.1" x 43.5" x40.9") |
| Motion Control System | | High-Speed Servo Motors |
| Maximum Speed | | 1000mm/S(39.4IPS) |
| Speed and Power Control (engraving depth) | | Computer or manually controlled speed and power from 0-100%. Vector color  mapping sets speed and power settings using RGB color mapping. |
| Operating Modes Resolution(DPI) Compute Interface | | Optimized raster, vector, and combined mode |
| | | User controlled from 100 to 500DPI (standard laser head), up to 1000 DPI(HR head) |
| | | Ethernet and USB Connection |
| Compatible Operating Systems  Buffer Memory Display Panel Net Weight | | Windows XP/2000/Vista/7/8/10 |
| | | 128MB Standard |
| | | 3" LCD panel showing current file, total working time, laser power, speed etc. |
| | | 310kgs(683lbs) |
| Electrical Requirements Ventilation System | | 110 to 240 volts, 50 or 60 Hz, single phase |
| | | Integral exhaust fan. There is 1 output port, 5.7" (145 mm) in diameter in the rear  of the case. |

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附件二

| Standard Features | |
| --- | --- |
| **Servo System** | 1000mm/s speed for engraving photo, super smooth vector cutting quality |
| **Alarm Lamp** | Show the work state and tell when the job is done, more safe for the job |
| **Visible Red Dot Pointer** | Make the laser beam visible |
| **Smart Board** | Control the exhaust fan, air assist and alarm lamp automatically, energy saving |
| **Auto Focus** | Automatically Assist the user to set the focus |
| **Motorized Table** | Control the table up/down from the LCD Panel directly |
| **LCD Panel** | Enable you to set the speed, power, etc. in the panel |
| **Emergency Stop** | Turn off the machine immediately |
| **Honey Comb Table** | Allow the laser beam to pass through the material that you are cutting and reduces under-side reflections |
| High Quality Rails | Keep the engraving / cutting precise and durable |
| Air Assist | Included to avoid and reduce overheat and burning marks |
| Water Pump | Cool down the laser lens's temperature |
| Optional Features | |
| High Resolution Head | Increase the resolution up to 1000DPI |
| Rotary Axis | Use to engrave on round items |
| Water Chiller | Improve the cooling of laser tube |
| **Engraving / Cutting Materials** | |
| Engraving Materials | Wood, Acrylic, Delrin, Cloth, Leather, Mat Board, Melamine, Paper, Mylar, Pressboard, Rubber, Wood Veneer, Fiberglass, Plastic, Cork, Corian, Twill, Anodized Aluminum, Painted Metals, Tile, Glass, Coated Metals, Ceramics, Marble |
| Cutting Materials | Wood, Acrylic, Delrin, Cloth, Leather, Mat Board, Melamine, Paper, Mylar, Pressboard, Rubber, Wood Veneer, Fiberglass, Plastic, Cork, Corian, Twill |
| **Installation / Warranty** | |
| On-site installation & Training | 3-4 hours |
| Warranty | 12 Months (On-site) |
| Technical Support | Lifetime |