



CP-01

# Intelligent modular machine

Micro factory / Versatile / Three functions

CP-01 is a versatile modular machine of 3D printing, laser engraving and CNC cutting



## Product parameters

Basic parameters	Touch screen: 4.3 inch	N.W. of machine: 10kg
	Motor: 42-40 stepper motor, 42-34 threaded rod motor, step angle 1.8°	Power supply: input: 100-240V AC output: 24V
	Working mode: online or TF card offline	Operating system: Windows XP/Vista/7/10 MAC Linux
3D printing	Molding technology: FDM	Molding size: 200*200*200mm
	File format: STL, OBJ, AMF	Slicing software: Cura, Simplify3D
	Nozzle diameter: standard 0.4mm, can be in 0.6mm, 0.8mm, 1.0mm, 1.2 mm	Supported filament: PLA, ABS, TPU, PVA
Laser engraving	Engraving size: 100*190mm	Supported filament: wood, paper, plastic, leather, etc.
	File format: SVG, BMP, NG, PG, DXF	Laser power: less than 0.5W
CNC carving/cutting	Carving/cutting size: 200*200mm	Supported filament: wood, paper, PCB, plastic, etc.
	File format: SVG, BMP, NG, PG, DXF	Main spindle rotational speed: 4,800rpm Max
	Standard cutter size: HRC55 tungsten steel milling cutter 4F 4*1	Drill chuck clamping range: 0-4mm

## Product advantages

### Versatility

Strong combination of 3D printing, CNC cutting, laser engraving brings you different operation experience

### Large molding size

200\*200\*200mm, 200\*200mm  
Huge measurement inspires innovative artworks in different scenarios

### Easy assembly

Exchangeable and universal modules can be assembly quickly. There is much space for transformation. You can replace modular machine head by twisting it with hands for 30s

### High precision

Precise 3D printing model without laminated striation  
Smooth CNC cutting model with a flat surface  
Laser engraving with slight positioning deviation and for exquisite models

### Compatibility with various filament

Whole machine accessories are made of superior materials. Various filament can be printed, cut or engraved in different modes

### Stable running

Full belt drive is more stable than threaded rod guide rail to ensure the quality of models

### Mean Well power supply

High-quality power supply with wide voltage is safe and secure by adopting proven technologies. Auto adaptive stable voltage brings about convenience

### Resume printing

Automatically save printing records after power-off, continue printing after power-on for a higher model printing success rate

### Upgraded appearance

Industrial-grade aluminum keeps whole machine running smoothly. Hidden threaded rod makes machine look simple and generous. New UI interface increases intelligent interaction

