



Features & Benefits

- C-Series Independent Controller Box, including CNC running core processing board with stepper driver, an android high performance capacitive touch-screen panel and a VFD spindle driver.
- No external PC is needed to run the machine.
- Android panel is used as user-interface with capacitive touch screen, using our application JCNC, making it easier to control the machine. And easy to upgrade the app with new function from our website.
- Wi-Fi is embedded and transfer the g-code in user's Cloud Storage.
- Internal 4GB flash memory and have one external USB Flash drive port.
- One NPN output can direct drive relay, LED light, buzzer.
- One auto check port for tool checking.
- Small size can place next to the machine.
- Quick power on ~30s, much faster than PC
- High stability can engrave extra-large g-code more than million g-code lines.
- A Power Switch / Emergency Switch at the right side of the controller

The C-Series Independent Controller Box is a compact CNC solution with a stepper driver and Android capacitive touch-screen panel, running the JCNC app for easy machine control and updates. It features built-in Wi-Fi for g-code transfer from Cloud Storage, 4GB internal memory, and a USB port. With a quick 30-second power-on, it supports large g-code files, has an NPN output for relay or buzzer control, and includes a tool check port. A Power and Emergency Switch is located on the right side for safety.

Technical Specifications:

C4030-800W Machine

Model	: C4030-800W
Travelling Range	: X:11.6" (295mm)
	: Y:15.6" (395mm)
	: Z:2.2" (55mm)
Workpiece Pass Range	: X:11.6" (295mm)
	: Y: No Limitation
	: Z:2.2" (55mm)
Width	: 21.1" (535mm)
Length	: 25.2" (640mm)
Height	: 17.3" (440mm)
Weight	: 22.0KG
Rapid Speed	: 150 IPM (3500mm/min)
Drive System	: Precision Ballscrews
Rail System	: X, Y: 16mm Hardened Chrome Linear Rail Rod Shaft
	: Z: 12mm Hardened Chrome Linear Rail Rod Shaft
Drive Motor	: 1.5NM NEMA23/ 57 Stepper
Spindle	: 800W 24000rpm ER11 High Speed Type
Spindle Cooling	: Air
Resolution	: 0.0001" (0.001mm)
Repeatability	: 0.0005" (0.01mm)
Accuracy	: 0.004" (0.1mm)
Home Switch	: 3x Mechanical Switches (X, Y, Z)
Soft Safety Limit	: Support
Cable length from machine	: 39" (100cm)

C3-CNC Controller

Motion System	: GRBL1.1 motion board
User Interface Software	: JCNC V1.2 Android APP (GagTek Selfdeveloped)
G-code file format	: txt, nc, ncc, tap, ngc
Spindle Driver	: VFD 400Hz 800W spindle driver
Input Power #1 (For Stepper Motor & controller PCBA)	: 24V 8A DC Adapter
Input Power #2 (For Spindle Driver)	: 110 8A/ 220V 4A Electrical cord
Stepper Driver Port	: 3 port: X, Y and Z axis, 24V 2.5A
Spindle Port	: 1 x 800W VFD Spindle
Limit Port	: X, Y and Z Homing Switches
Laser Port	: 12V Maximum 2A PWM type Laser Module (Laser Module is not included)
Output Port	: 1X NPN output Max. 200mA
Probe Input Port	: 1X For probe (Z height Check)
USB Port	: 1X USB flash drive port
Weight	: 3.2KG
External 24V Adapter weight	: 0.88KG
Width	: 8.66" (22cm)
Length	: 9.84" (25cm)
Height	: 5.5" (14cm)

ANDROID Panel Specifications

Android System	: ANDROID 6.0
Processor	: 4 Core 1.5Ghz
LCD	: 7", 1024X600 TFT
Touch Screen	: 5 points capacitive panel
WIFI	: WIFI 802.11b/g/n
RAM	: 1GB
FLASH	: 4GB (System need around 2.5GB, ~1.5GB remains)
Sound	: 2W, single channel

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