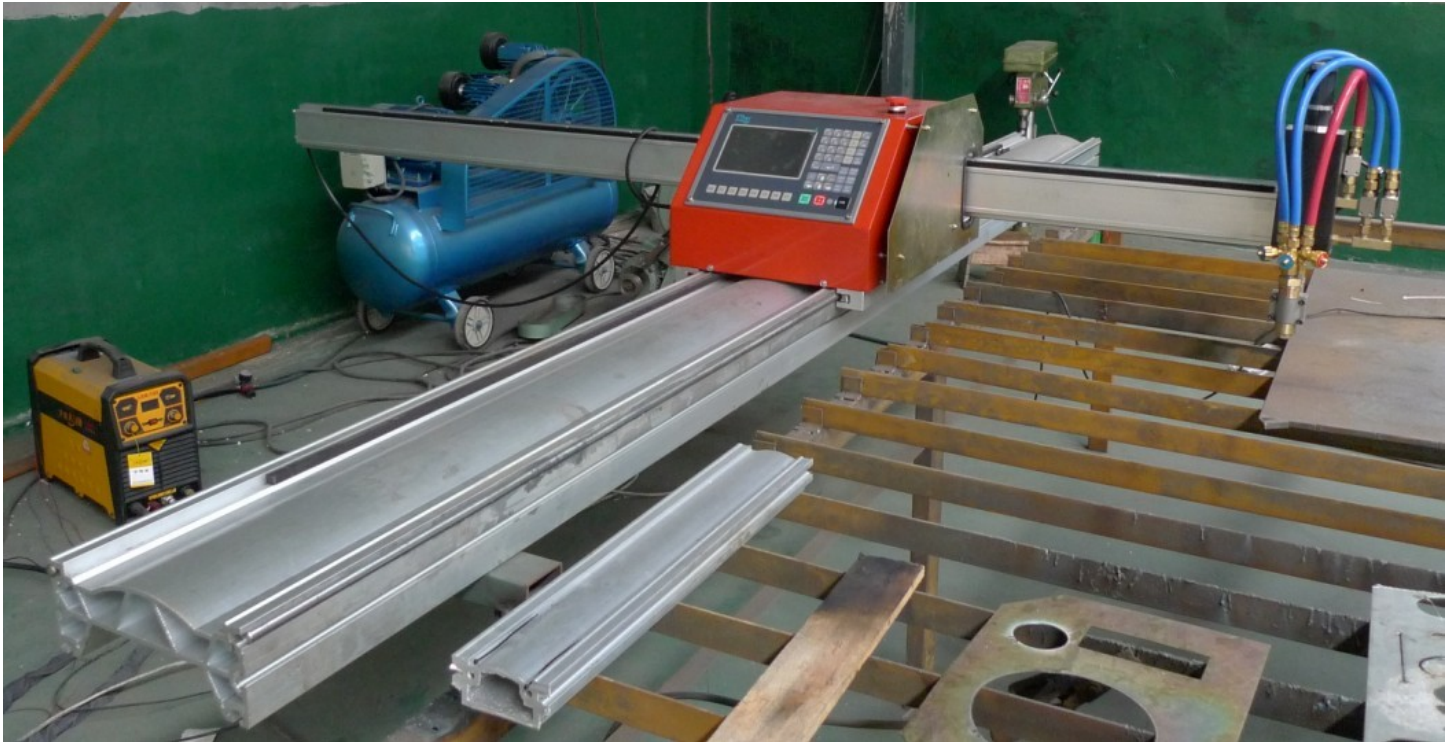


## Portable CNC Plasma & Flame Cutting Machine



In the market most of portable cutting machines look similar, but details will tell you which one you choose.

### 1. the most important part of the machine---CNC cutting controller

CC-S1



The controller (SH-2012AH) is made by us. Many portable machines also use this model. Since 1992 we are the biggest manufacturer of CNC cutting controllers in China. Our controllers cover most of Chinese market and many countries. "Microstep" & "Startshaphon" are our famous trademark. We also OEM for some companies. So we can better offer you the technical service.

### 2. Torch height controller (THC)---SH-HC30

## Beijing Flourishing Start Digital Technology Co., Ltd

Room 604, Zeyang Mansion, No.166 Fushi Road, Shijingshan, Beijing, China, 100043

Tel: +86-10-8890-9235 Fax: +86-10-8890-9277 Mobile: +86-186-111-53018 Email: sara@microstep.cc



It's also made by us. This model is specially designed for our CNC cutting controllers. It can automatically adjust the height between the torch and plate. Now more and more CNC cutting machines use the torch height controller, especially for plasma cutting. Most clients buy our CNC cutting controllers and torch height controller together to make machines.

### 3. Rail & its connection



It's structure-type double-axis linear rail, the best among all rails of portable machines.

Good stability: rigid structure design, made by high pressure and high temperature.

High precision: advanced parallel orientation technology, and slider block is made by Germany machine.

Simple installation: integration structure design can avoid troublesome installation.

No deformation: aluminum has better heat dissipation than iron or steel.



The connection of rails is more precision, more firm and smoother. Bolts and angle irons fasten them together.

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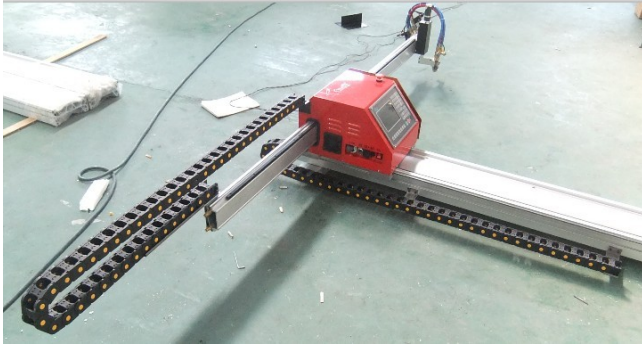
Room 604, Zeyang Mansion, No.166 Fushi Road, Shijingshan, Beijing, China, 100043

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### 4. Drag-chain structure

#### 1) plasma cutting machine

We add a drag-chain only on the beam (cantilever) to fasten hanging wires.



#### 2) flame cutting machine

We also add drag-chain on the rail (track). Because flame cutting machine has three gas pipes.



### 5. Other parts

The stepper motor and the stepper driver of the machine are also made by us. So we can better control the quality.



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### Brief Parameters

Input Voltage	220V
Power Frequency	50/60Hz
CNC Cutting Controller	SH-2012AH-QG /CC-S1 7" Color LCD Screen
Max. Fuel Pressure	0.1 Mpa
Max. Combustive Gas Pressure	1.5 Mpa
Cutting Type	Flame or Plasma
Cutting Speed	50 ~ 750 mm/min (flame); 50 ~ 6000 mm/min (plasma)
Cutting Thickness	5 ~ 150 mm (flame); 0.5 ~ 60 mm (plasma)
Fuel	Propane, Acetylene, Methane
Cutting Precision	0.2 mm
Cutting Nesting Software	IBE or FastCAM