



TSF
MACHINERIES

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SERVO PORTABLE CNC CUTTING MACHINE MODEL: VALIANT-1500 x 3000

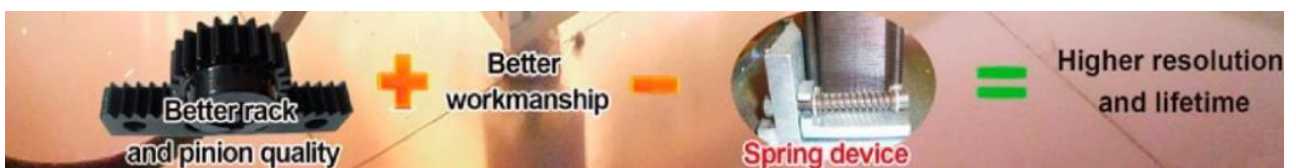


The world *leader* of portable CNC cutting machines



Machine Feature:

- The Valiant patent induces a technical revolution in portable CNC cutting machines.
- The valiant structure is specially designed for single-arm portable CNC cutting machine.
- The removal of the spring prolongs the operation life of the machine.
- Higher speed, 8000mm/min
- No more vibration.
- Wider Rails, More stability!
- More rigid structure, Heavy Duty!
- Free cutting software!
- Support Flame or Plasma!
- Precision: 0.2mm.
- Customer service, 24h/7d



MACHINE DESCRIPTION:

SteelTailor, the world leader of Professional portable CNC machines, presents the customers a better version Valiant machine with optimized quality.

Ever since its launch, SteelTailor Valiant series portable CNC cutting machines have been favored by the customers. After a couple of years selling and service of this series, SteelTailor has received much request from the customers about the complicated and time-consuming installation of the Valiant machine, which is the first version of its model. Analysis result by SteelTailor R&D team suggests a comparable shorter lifetime of that version too.

To ensure the quality and brand strength, Steel Tailor has totally up-graded the design Valiant. The structure has been totally revised to enable a much longer lifetime, better precision and stability, easier installation, and smoother motion. The new version of valiant machine can be assembled and dissembled as easy and simple as the world known SteelTailor Power machine.

1. The first servo motor portable cutting machine High accuracy, low energy consumption, stable, less shake, low voice, to overcome the low-speed resonance of step motor and promote the machine processing efficiency and capacity.
2. Wide track structure Widen X axis of Dual axis guide to 420mm, improve the machine centre-of-gravity shift.
3. The servo technology portable cutting machine has a bright application prospect. It can improve the process accuracy and stability. That's high-end machine of portable cutting machine.

Valiant Series is total upgraded for the cantilever type portable CNC cutting machines.

With a higher precision in both the rack and the pinion, the spring-loaded drive motor system is removed in Valiant. It overcomes the fatigue problem of the spring after a time of use. As a result, the stability and lifetime of the machine are improved. Due to the removal of the spring, the positioning precision of the machine is unified in the effective cutting range. The dimension of the cut work piece is also more accurate and precise.

TECHNICAL PARAMETERS:
SERVO PORTABLE CNC CUTTING MACHINE

Model No.		: VALIANT-1500 x 3000
Brand Name		: STEELTAILOR
Effective Cutting Capacity Width		: 1500 mm
Effective Cutting Capacity Length		: 3000 mm
Effective Cutting Thickness	Plasma	: 2-25 mm (related to the plasma Power)
	Flame	: 6-100 mm
Cutting Speed	Plasma	: 0-8000 mm/min
	Flame	: 0-700 mm/min
Cutting Type		: Flame & Plasma
Input voltage		: 220V
Power Frequency		: 50 Hz
Rated Power		: 400W
Display		: LCD 7" COLOR SCREEN
Unload Speed		: <12000 mm
Gas Depression		: Max 0.1 Mpa
Oxygen		: Max 1.5 Mpa
Rail Width		: 420 mm
Power X Axis		: Servo Motor
Power Y Axis		: Servo Motor
Torch height Control		: F1621 Auto THC for Plasma
Rutted Torque		: 13.5 N.m
Precision		: National Standard JB/T 10045.3-99
Instantaneous Accelerating Torque		: 33 N.m
Slide Material		: Dual Axis Rail , HIWIN Linear Guide
Available Gas		: Acetylene, Proagas, Methane
Gross Weight		: 195 kg.
Brand New		: China

PRODUCT FEATURES:

1. Used "Face To Face" Design, Convenient Operation:



2. CNC Controller:

Seigniory SNR-SK integrates a completely new version of CNC controller with many

New features:

- High Memory for Users' Programs
- Colorful Screen, high resolution
- Built-in Library of Commonly Used Figures
- Break-point & Power-cut Restoration
- Returning to Reference Point
- Kerf compensation
- Revolving
- Mirror image



3. Advanced Width Rail:

The frame is wider with high-quality racks, up to 420MM, which makes the cross beam move more stably and keep high precision. The cutting head will not bend even up to 2.0M for the beam.



4. ADVANCE with WIDTH RAIL:

The machine body guiding rail keep the endurable dual axes sliding rails, while we want to the beam more stable, Seigniory SNR-SK CNC Cutting Machine, the beam guiding rail change into the best precision linear style. The precision linear guide is only be used on the Precision Bigger Gantry machine, like Koike, Messer and so on. The introduction of guiding rail in the XY-axis of the machine, enables a more stable movement of the crossbeam and avoids the cutting head from declining.



5. SAFE BUTTON:

This feature allows the user to enable or disable the motors while power is on, guarantee the user's safety.



6. AUTO TORCH HEIGHT CONTROL

Plasma Torch Height Controller type F1621 is a product which have such advantage as operate simply, stabilize property, full function and high-performance ratio. It is made on basis of condition that used in plasma power source scene, and it absorb a lot of advantage of THC all around the world. Our equipment makes use of peculiarity that plasma power source has constant current, check alteration of plasma torch height by checking alteration of plasma torch height, control height between torch and work piece on time. It suits to control height of plasma power source torch which have peculiarity of constant current, or control height of plasma power source torch which have peculiarity of constant current within limit.



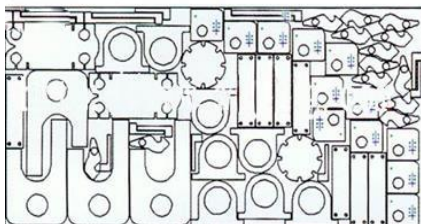
PLASMA TORCH HEIGHT CONTROLLER



LIFTER

7. PROGRAMMING MODE (NESTING SOFTWARE)

Imported FastCAM nesting software can be used to set up any graphics when cutting, it supports multiple languages. It can be used to transfer the CAD graphic in the computer, for example DWG format to G code that the equipment can recognize. After installed in the computer, transfer, save in the USB flash disk, and then insert the USB into the machine.



▪ FastCAM SOFTWARE

Drawing system, cutting path system, nesting system and calibration system.