



# TAKATOOLS

PT TAKATOOLS BATAM INDONESIA

PRODUCT CATALOGUE

## TAKA CUT

# TAKATOOLS

## TAKA CUT TC3



### Product Introduction :

TakaCut TC3 is a Portable CNC Cutting Machine is specially developed for steel and aluminium plate cutting.

It is equipped with Hybrid Servo Driver to ensuring its good cutting performance.

Two kinds of cutting modes are provided. Plasma and Flame or Both and the cutting size can be Customized upon your requirements.

### Main Feature :

Compact Structure, Good Cutting Stability and Light Weight

### Technical Parameter :

Standard Model	Vanguard T3-1600/2500 * 3400
Input Voltage	230V/110V
Power Supply Frequency	50HZ / 60HZ
Rated Power Supply	300 W
LCD Dimension	7 Inches color display
Drive Type	DC Mixed Servo Driver
Effective Cutting Width (X axis)	1600mm or 2500mm
Effective Cutting Length (Y axis)	3400mm/Customized
Cutting Speed	0-6000mm/min
Flame Cutting Thickness	6mm~200mm
Plasma Cutting Thickness	Depend on plasma power
Torch Height Control	Flame with Motorized Lifter & Plasma with Arc Voltage Torch Height Control
CNC Controller	Starfire CNC (CHINA)
Cross Beam Length	2200mm or 3100mm
Longitudinal Rail Length	4000mm
Longitudinal Rail Width	369mm
Cutting Accuracy	±/ 0.5mm
Plasma Air	Only pressed Air
Plasma Air Pressure	Max. 1.0Mpa
Gas Pressure	Max. 0.1Mpa
Oxygen Pressure	Max. 0.1Mpa
Flame Cutting Gas	Oxygen+Acetylene/Propane/Methane
Nesting software	FastCAM Software (Professional version)

Kerf compensation, reasonability check and report for user's option;  
Breakpoint restoration, automatic power-back recovery and automatic breakpoint memory,

Random section and piercing point selection

Extended piercing for thick plate and bridging feature for thin plate

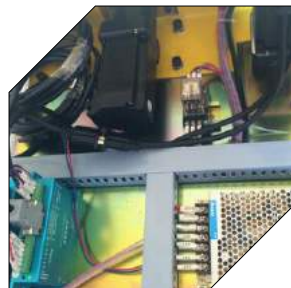
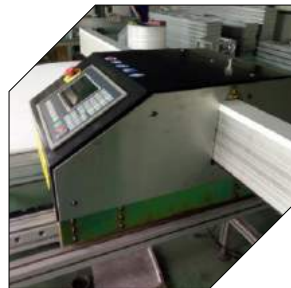
Optional piercing position feature in mode of RETURN, SECTION (section selection) and RESBREK (breakpoint restoration), very convenient for user control.

Ready for transitional cutting operation at any moment.

Special short line machining feature based on smooth travel, extensively applicable to metal blanking as well as advertisement and ironwork machining parts

Compatible with many blanking software such as IBE (Germany), FASTCAM, etc.

Operation menu both in Chinese and English, dynamic graphic display, 8-times zoom, free point automatic tracking, USB disk program and timely software upgrade



### Technical Specifications :

Processor: Industrial ARM7 CPU  
Display: 7" Color LCD  
Input/Output: 13 channels of optical isolation input and 8 channels of optical isolation output  
Interlocked axles: 2 axles, extensible to 4 interlocked axles  
Maximum speed: <24m/min  
Pulse equivalency: variable, electronic gear numerator and optional denominator in the range from 1 to 65535  
Memory space: 32M-64M oversized memory capacity for user program and no restriction to machining program  
Machine case size: 298x202x95.2 (mm)

Program software: FastCam Software based on AutoCAD

FastCAM Professional software have famous brand in the world of cutting & welding industry with 30-years R&D history and are professional in drawing, nesting and pathing for Gas, Plasma, Laser and Water-jet NC cutting and maximizing productivity, improving quality, and reducing costs.

FastCAM software has four modules for cutting procedure:

FastCAM drawing, FastNest auto nesting, FastPATH auto pathing and FastPLOT verification.

FastCAM drawing module:

Draw: similar with CAD, to draw all kinds of parts  
CAD Optimizer: to optimize DXF/DWG files by the tools of delete, compress, extract and explode  
Cutting Functions: Kerf compensation, bridge, corners, CAD layers, word label and marking

FastNest automatic nesting module:

Automatic, manual and interactive nesting  
Common cut & continue cut to reduce pre-pierce  
Remnant nesting for irregular remnant or parts

FastPATH automatic pathing module:

Programming; automatic & manual pathing include marking, path optimizer, multi-layering cutting  
Support multi-CNC machines: to switch NC format between different CNC machines  
Cutting functions: Kerf compensation, pre-pierce, stitch and tag cutting

Program software: FastCam Software based on AutoCAD

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Programming; automatic & manual pathing include marking, path optimizer, multi-layering cutting  
Support multi-CNC machines: to switch NC format between different CNC machines  
Cutting functions: Kerf compensation, pre-pierce, stitch and tag cutting

### Packing List

Package contains:

Longitudinal rails frame;  
Cross beam;  
Motorized THC for both flame cutting and plasma cutting;  
Main machine/central unit;  
Electric power cable;  
Electromagnetic valve cable;  
M8 Screws;  
Longitudinal rail holder;  
Four nozzles for propane cutting;  
Allen key;  
FastCAM Software based on AutoCAD;  
Packing list;  
Operation manual;  
Quality Certificate;  
Plasma Cutter is NOT included

### Package Dimension and Weight

Content	Wooden Case	Dimension	Net Weight	Gross Weight
Main machine	1 case	740X520X480 (mm)	52KG	62KG
Longitudinal rails, cross beam, flame torch, cables and other accessories	1 case	4120X470X240 (mm)	90KG	120KG



## TAKA CUT TC4



### Product Introduction :

TakaCut TC4 is a Portable CNC Cutting with small volume and light weight. Automated operation makes it user-friendly and precise guide rails ensure the stability of crossbeam motion. Flame and Plasma or Both Torches can be provided according to your requirements.

### Main Features :

Fast Speed and High Accuracy  
Equipped with FLAME, PLASMA and BOTH torches  
Convenient Operation and Stable Motion  
High Quality and Low Price

### Technical Parameters

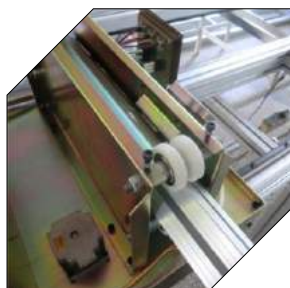
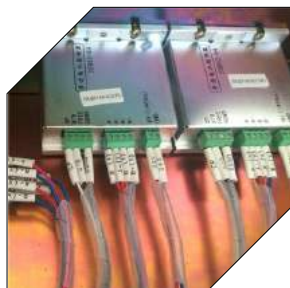
Model	Vanguard T4-1600*3400
Input Voltage	220V/110V
Power Supply Frequency	50HZ / 60HZ
Rated Power Supply	180W
LCD Dimension	7 Inches color display
Effective Cutting Width (X axis)	1600mm
Effective Cutting Length (Y axis)	3400mm/Customized
Cutting Speed	0-2500mm/min
Driver	Stepper Motor Driver
Flame Cutting Thickness	6mm~200mm
Plasma Power Supply	Depend on plasma power
Torch Height Control	Flame with Motorized Lifter & Plasma with Arc Voltage Torch Height Control
CNC Controller	Starfire CNC (CHINA)
Cross Beam Length	2200mm
Longitudinal Rail Length	4000mm
Longitudinal Rail Width	369mm
Cutting Accuracy	+/- 0.5mm
Plasma Air	Only pressed Air
Plasma Air Pressure	Max. 1.0Mpa
Gas Pressure	Max. 0.1Mpa
Oxygen Pressure	Max. 1.0Mpa
Cutting Gas	Oxygen+Acetylene/Propane/Methane
Nesting software	FastCAM Software (Professional version)

### Numerical Control System Technical Description :

Kerf compensation, reasonability check and report for users option :  
Breakpoint restoration, automatic power-back recovery and automatic breakpoint memory  
Random section and piercing point selection  
Extended piercing for thick plate and bridging feature for thin plate.

Optional piercing position feature in mode of RETURN, SECTION (section selection) and RESBREK (breakpoint restoration), very convenient for user control

Ready for transitional cutting operation at any moment  
Special short line machining feature based on smooth travel, extensively applicable to metal blanking as well as advertisement and ironwork fabrication, etc.  
Parts library of 24-type patterns, extensible and customizable, including the common machining parts  
Compatible with many blanking software such as IBE(Germany), FASTCAM, etc.  
Operation menu both in Chinese and English, dynamic graphic display, 8-times zoom, free point automatic tracking, USB disk program and timely software upgrade.



### Technical Specifications :

Processor Industrial ARM7 CPU  
Display : 7" Color LCD  
Input/Output : 13 channels of optical isolation input and 8 channels of optical isolation output  
Interlocked axles : 2 axles, extensible to 4 interlocked axles  
Maximum speed : <24m/min  
Pulse equivalency : variable, electronic gear numerator and optional denominator in the range from 1 to 65535  
Memory space : 32M-64M oversized memory capacity for user program and no restriction to machining program  
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Remnant nesting for irregular remnant or parts

FastPATH automatic pathing module :

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Support multi-CNC machines : to switch NC format between different CNC machines  
Cutting functions : Kerf compensation, pre-pierce, stitch and tag cutting

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P R O D U C T C A T A L O G U E

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