

ADOR WELDING LIMITED



Please reply to:
CHINCHWAD PLANT
Chinchwad,
Pune - 411019.
Phone : (020) 4070 6000
Fax : (020) 4070 6001
Website : www.adcrwelding.com

Portable CNC Profile cutting Machine KING CUT SMARTY



King Cut Smarty Portable CNC Profile cutting machine is an economical portable light weight CNC cutting machine to cut complex shapes of high quality with Oxy-fuel and Plasma cutting. The machine can be programmed to cut any plane shape parts composed of beeline and arc, which are same as large gantry cutting machines. It is equipped with a 7-inch LCD with dynamic and static graphical display. It can be programmed to cut parts directly, and also can be operated by using G Code generated by CAM program (Nesting software), and then be transferred to the machine via its USB Port. The CNC Controller on the machine has Memory capacity is more than 3000 files.

This machine has low capital investment, higher cutting efficiency, lower operating and maintenance cost. Being portable it doesn't occupy a fixed space / bad in your workshop and thus helps you save space. Also can be used for on-site work by fabricators because of its light weight design and low power consumption.

This product is suitable for small and medium fabricators, widely used in automobile, shipbuilding, engineering machinery, machine manufacturers, agricultural machinery, suitable for carbon steel (flame cutting), and stainless steel (with plasma).

ADOR WELDING LIMITED



Please reply to:
CHINCHWAD PLANT
Chinchwad,
Pune - 411019.
Phone : (020) 4070 6000
Fax : (020) 4070 6001
Website : www.adcrwelding.com

MAJOR SPECIFICATIONS:

1. No. of gas torches - 1 Oxyfuel
2. Effective cutting width 1,500 mm
3. Effective cutting length 3000 mm,
4. Positioning speed: 3000mm / minute.
5. Cutting Speed: 0 – 3500mm / minute. (settable as per cutting process)
6. Positioning accuracy ± 0.5 mm/ meter
7. Repeatability ± 0.5 mm/ meter
8. Shape accuracy ± 1 mm/ meter
9. Kerf compensation ± 15 mm in 0.1 mm increment
10. Input Voltage: 230v 50Hz single phase.

Machine Weight: 100 KG Approx

BASIC STRUCTURE:

Machine consists of a Cantilever structure, longitudinal rail on one axis, and moving arm on the other. This design helps save space. The smart-design with light weight and sturdy extruded aluminum structure provides easy mobility to use in indoor and outdoor working environment. Suitable for all types / segment of end-user to improve the production and reduce production cost. 7inch LCD display on the controllers allows user to select the program directly on the system or transfer files through USB drive.

DRIVE MECHANISM:

The motion along longitudinal axis and cantilever arm is powered by Digital Hybrid Stepper motors using hardened and ground rack and pinion drives. This arrangement provides smooth acceleration, deceleration and controlled profile cutting speeds.

CNC Controller Features:

- 7" LCD Display
- USB Port for transfer of cutting program (NC Code)
- Standard shape library
- Corner speed control.
- Inbuilt memory for Program storage
- Break point resume, auto power break resume, break point memory
- Thick plate outside edge pierce and thin plate cross-bridge function
- Built in Kerf compensation function (+- 15mm in 0.1mm increment)
- Low power consumption .

ADOR WELDING LIMITED



Please reply to:
CHINCHWAD PLANT
Chinchwad,
Pune - 411019.
Phone : (020) 4070 6000
Fax : (020) 4070 6001
Website : www.adcrwelding.com

OXY-FUEL CUTTING STATION

Specifications:

1. No. of cutting torches - 1 No.
2. Cutting thickness. Flame: 6mm-100 mm

FEATURES:

- Motorised torch height control to drive torch up/ down slide
- Manual gas control valves to adjust or set the flame and cut oxygen.
- Flash back arrestors provided on cutting station for safety of the machine.