

# HC5-6

Brushless DC Motor with PWM and Encoder for Precise Control  
Low-voltage DC Power Supply – No Risk of Electric Leakage or Safety Hazards  
Durable Lithium Battery – Cordless and Portable for Use Anywhere

## Application

Shipbuilding industry \ Bridge-building industry  
Petroleum industry \ Structural steel fabrication  
Automotive / Transportation equipment

## Features

It is widely used in **Flat Fillet Welding**, **Vertical Fillet Welding**, **Flat Butt Joint**, **Horizontal Butt Joint**, **Vertical Butt Joint** and **Overhead Welding**.

With the travel angle adjustment function, this carriage is able to meet **The Requirements of Build Up Welding** or **Drawing Welding**.

There is no clearance in the transmission of the oscillator , it ensures the accuracy of the torch weaving .

This carriage has a magnetic adsorption clutch handle and it is easy to adjust and install.

High-performance magnetic increases the reliability of profiling welding and also ensure a smooth operation.

Fitted with soft rail or hard rail it can complete **the vertical walking**, **side suction horizontal walking**, **curved walking** and **Flat Butt Welding**.

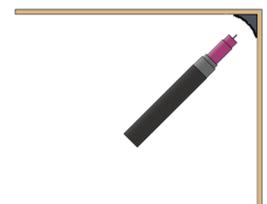


## Specification

Input Voltage	24V / 4AH Lithium Battery
Drive Mode	Four Wheel Drive
Traction Power	32kg
Travel Speed	35~930(mm/min)
Tracking Method	Guide Wheel / Guide Rail
Torch	Bend Torch or Straight Torch
Torch Position Adjustment	Rotate around the X axis $\pm 45^\circ$ Rotate around the Y axis $\pm 30^\circ$ Lateral movement 20mm Vertical movement 20mm
Weaving Parameters	Weaving Angle $0 \sim \pm 8^\circ$ Max Weaving Speed $0 \sim 40$ cpm Left / Right Resistance Time $0 \sim 2.5$ s
Unweldable Distance	Front 150mm \ Rear 146mm
Dimension (W*D*H)	195*314*242mm
Weight	12kg



▲ 3-Meter Diameter Arc / Flat Panel Horizontal Alignment Welding



▲ Angle Welding



▲ Flat Butt Welding



▲ Side Suction Welding



▲ Corner Welding



▲ Vertical Butt Welding

