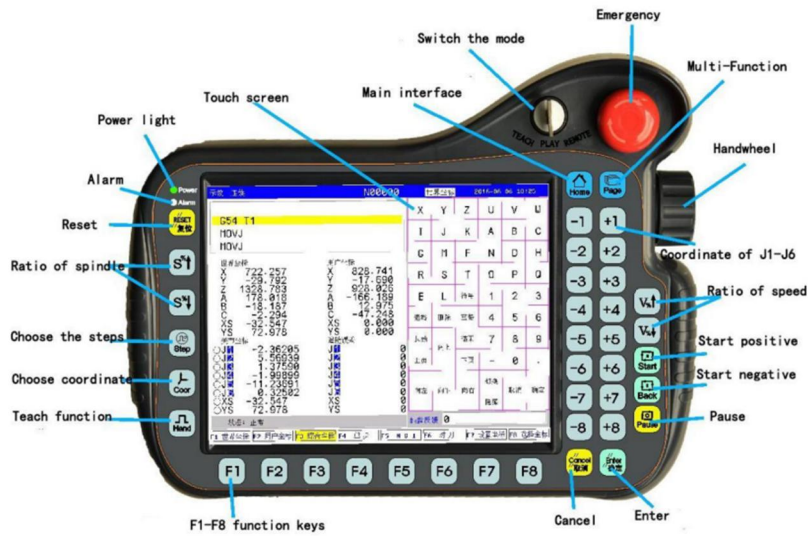


# NEWker Control System



## Features:

1. Optimize the structure algorithm to adapt to the robot body of various structural forms
2. Modular function setting to adapt to multiple application fields
3. 8-axis control, can realize auxiliary axis (guide rail, positioner) control
4. Adapt to multi-turn absolute value servo motor
5. 48\*32 input and output, PLC online editing function
6. TCP function, weld seam tracking function

## Technical parameters

Number of control axes	Robot standard 6 axis + 2 axis
Teaching box	8in TFT-LCD, Mode switch, safety switch, emergency stop button
Interface	<ol style="list-style-type: none"> <li>1. 48x32 expandable I/O;</li> <li>2. 2 channels 0-10V analog output, Control welding current and voltage;</li> <li>3. 1 way encoder quadrature input, Used in visual tracking system;</li> <li>4. 6-way brake motor output;</li> <li>5. Special wiring terminals for robots;</li> <li>6. RS232 communication, RS485 communication Used for absolute value motor communication;</li> <li>7. Communication network port, Realize EtherCAT communication;</li> </ol>
Way to control	PC GUI/ROS/PYTHON/C++ SDK
Programming mode	Keyboard input, teaching reproduction Process programming
Motor function	Point to point, straight line, arc
System instructions	Movement, logic, calculation, craftsmanship, Compatible with CNC system commands
Coordinate System	Joint coordinates, user coordinates, tool coordinates, world coordinates
PLC function	Ladder diagram editing, 8000 steps;
Alarm function	Emergency stop alarm. Servo alarm. Safety maintenance Abnormal arc starting, abnormal coordinate system, etc.
System Algorithm	<ol style="list-style-type: none"> <li>1. Vertical multi-joint tandem robot</li> <li>2. Vertical multi-joint parallelogram robot</li> <li>3. Vertical multi-joint L-shaped wrist robot</li> <li>4. Polar coordinate robot</li> <li>5. Horizontal joint robot</li> <li>6. Delta robot</li> <li>7. Special dedicated robot</li> </ol>
Application field	Handling, welding, spraying, palletizing, cutting, polishing, forging, casting, etc.

