WELD AXIS

Retrofit an existing pneumatic cylinder on a 6-axis robot or a fixture application with the HT actuator and Weld Axis – Weld Axis can use the existing signals from the robot or PLC to emulate a pneumatic cylinder. The Weld Axis can also be programmed with advanced features to reduce cycle time, monitor tip wear and check tip position before sending "ready to weld" signal.

FEATURES:

- **Seamless retrofit to 6-axis robots, or fixture welding applications, I/O for retrofit to existing devices or communication with master devices**

- **A fraction of the cost of a new 7-axis robot system**

- **Integrates behind existing safety protocols**

- Easily programmed to monitor tip wear and seat new tips

- **Data storage on memory card**

  – Auto-save insures program consistency

  – System technician can easily master initial setup as well as calibration, adjust schedule, and new tip procedures

  – No need to repeat initial programming if an electronic component fails

- Available as complete panel or as kit to place in existing panel

- **Vector current control drive for maximum motor efficiency**

  – Auto-phasing – no hall sensors required

  – Short-circuit, overcurrent, and overvoltage protected

  – Pluggable screw terminals

- Single teach pendant can be used to program multiple workstations

Weld Axis teach pendant

Weld Axis panel
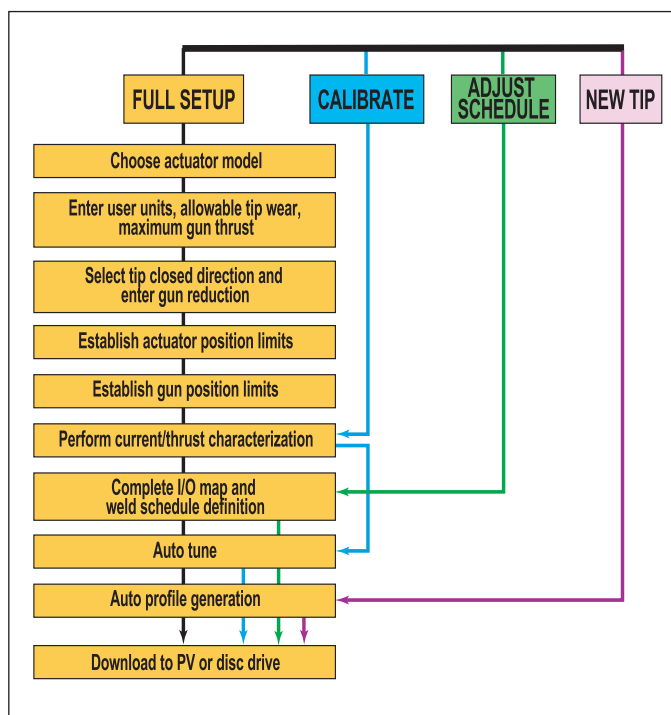
This flow chart outlines how Weld Axis handles the functions commonly performed in automotive welding.