

The screenshot shows the RAS Weld software interface with the following components:

- 1 Main Toolbar:** Located at the top, containing icons for File, Open, Save, Import, Export, Return Origin, Search Tracker, Seam Tracker, Servo Status, PLC Process, PLC Process, Global Parameter, Procedure Parameter, Offline Programming, and Statistics View.
- 2 Weld Management:** Located on the left, containing a Bench dropdown (benchA), a Group dropdown (Weld Group 1), a Weld List table with columns Weld, Technique, Weld Temp, and Task, and various manipulation icons.
- 3 3D Workspace:** The central area showing a 3D model of a robotic arm and a workpiece on a green base.
- 4 Seam Tracker:** Located at the bottom left, showing a dropdown for Hemming, a Profile dropdown (4), a 3D Point/Cloud option, a Hource dropdown, a Frame State dropdown, and a Seam Tracker button.
- 5 Log & Alarm:** Located at the bottom center, showing a Log button and an Alarm button.
- 6 Axis Control:** Located on the right, containing an Axis Jog section with Joint, World, Tool, and Base tabs, a Step slider, a Seek slider, and buttons for Comm. Axis, Debugging, and Jog Settings. Below this is a Processing Control section with buttons for Start, Pause, Stop, Resume, Teach Loc, Set BreakPt, Return Zero, Feed Wire, and Wire Feeds Backward. At the bottom of this section are checkboxes for Robotic Arm Return Zero, Welding Trial Mode, and a Retract Distance input field (20mm).
- 7 Axis Monitoring:** Located at the bottom right, showing a table with columns Axis and Speed, and buttons for Axis Monitor and TCP Monitor.

Joint	World	Tool	Base
+ W.X	+ R.Y	- R.Y	- R.Y
+ W.Z	- W.Y	- W.Y	- R.X
+ W.Z	- R.X	- W.R	- Y.Y
+ G.X	- G.X	- G.Y	- G.Y
+ G.Y	- G.Y	- G.T	+ G.T

Axis	Speed
1	3.385 °
2	0.423 °
3	-0.823 °
4	-1.603 °
5	3.363 °
6	0.477 °

1 Main Toolbar
File operations, system tools, parameters, and utilities.

2 Weld Management
Manage weld lists, techniques, parameters, and tasks.

3 3D Workspace
Visualize the robot, workcell, and welding paths in 3D.

4 Seam Tracker
Real-time seam tracking and profile monitoring.

5 Log & Alarm
System messages, operation logs, and alarms.

6 Axis Control
Jog control, process control, and system commands.

7 Axis Monitoring
Monitor axis position and speed in real time.