WHAT IS CLAIMED IS:

1. A manipulator, comprising:
a base portion;
an upright portion connected to the base portion;
a test head attachment incorporated into the upright portion; and
a first quick connect assembly incorporated into the test head attachment.

2. The manipulator of claim 1, further including:
a second quick connect assembly incorporated into the base portion.

3. The manipulator of claim 2, wherein the base portion further includes:
an extendable outrigger; and
the second quick connect assembly is incorporated into the extendable outrigger.

4. The manipulator of claim 1, further including a steerable caster incorporated into the base portion.

5. The manipulator of claim 1, further including a weight transfer mechanism.

6. The manipulator of claim 4, wherein the weight transfer mechanism dynamically adjusts for a weight of a test head when the manipulator is connected to the test head and the manipulator lifts or places the test head on or off of a weight bearing structure.

7. The manipulator of claim 6, wherein the weight bearing structure is a prober.

8. The manipulator of claim 5, wherein the weight transfer mechanism further includes:
a manipulator face configured to connect to a test head; and
a sag motor that controls an angle of the manipulator face.

9. The manipulator of claim 5, wherein the weight transfer mechanism includes a level sensor to determine a level of a test head when the test head is connected to the manipulator through the first quick connect assembly.

10. The manipulator of claim 8, wherein the sag motor continuously adjusts a level of the test head as the manipulator moves the test head off of a platform.

11. The manipulator of claim 1, wherein the first quick connect assembly includes:

a protrusion;

a locking element located within the protrusion;

wherein the protrusion is sized to be inserted into a receptacle of a test head attachment and the locking element movable with respect to a central axis of the protrusion to interlock with the receptacle.

12. A method of moving a test head, comprising:

attaching a first quick connect assembly of a manipulator to the test head through a first quick connect assembly;

attaching a second quick connect assembly of the manipulator to a prober supporting the test head; and

lifting the test head with the manipulator.

13. The method of claim 12, further including:

adjusting a level of the test head with a sag motor as the test head is being lifted based on an increasing amount of weight loaded to the manipulator.

14. The method of claim 12, further including:

independently moving the second quick connect assembly connect into a position to connect to a base portion of the manipulator to the prober.

15. The method of claim 14, wherein moving the second quick connect assembly includes moving the second quick connect assembly on an outrigger connected to the base portion of the manipulator.

16. The method of claim 14, further including:

inserting a protrusion of the second quick connect assembly into a receptacle of the test head;

moving lockable element of the protrusion with respect to a central axis of the protrusion to interlock with the receptacle.

17. The method of claim 12, further includes continuously measuring a level of the test head while lifting the test head.

18. The method of claim 12, wherein attaching the second quick connect assembly of the manipulator to the prober occurs before attaching the first quick connect assembly to the test head through the first quick connect assembly.

19. A manipulator, comprising:

a base portion;

an upright portion connected to the base portion;

a first quick connect assembly incorporated into the upright portion;

an outrigger connected to the base portion; and

a second quick connect assembly attached to the outrigger.

20. The manipulator of claim 19, further including:

a weight transfer mechanism incorporated into the manipulator, the weight transfer mechanism including:

a sag motor;

a level sensor in communication with the sag motor;

wherein the weight transfer mechanism dynamically adjusts an angle of a face of the first quick connect assembly when a test head is being lifted in response to outputs from the level sensor.