What is claimed is:

1. A manipulator for transporting a test head, comprising: a tower having a base and a track, the track being vertical relative to the base; an arm to enable support for the test head, the arm being connected to the track to move the test head vertically relative to the tower; one or more motors, coupled to the arm, to drive movement of the arm along the track; and pneumatic cylinders, coupled to the arm, to control movement of the arm to cause the test head to apply a compliance force in a direction of an interface device to cause the test head to connect to the interface device.

2. The manipulator of claim 1, wherein each pneumatic cylinder comprises: a housing to receive and to hold air for generating air pressure; and a rod that is movable within the housing, movement of the rod being affected by the air pressure.

3. The manipulator of claim 1, further comprising: a controller that is settable to adjust an amount of the compliance force to be applied by the pneumatic cylinders by adjusting air pressure in one or more of the pneumatic cylinders.

4. The manipulator of claim 3, further comprising: one or more processing devices to receive input based on a setting of the controller, and to control an amount of air pressure in the one or more of the pneumatic cylinders.

5. The manipulator of claim 1, further comprising: a reservoir to receive a hose for supplying air, the reservoir comprising one or more conduits connecting the reservoir to the pneumatic cylinders for transferring the air to the pneumatic cylinders.

6. The manipulator of claim 5, wherein the reservoir comprises a check valve to receive the hose, the check valve being configured to inhibit release of air upon removal of the hose from the check valve.

7. The manipulator of claim 5, wherein the reservoir comprises a gauge for displaying a pressure of air in the reservoir.

8. The manipulator of claim 5, further comprising: an air regulator comprising a pressure release button, at least one of the reservoir or the pneumatic cylinders being responsive to selection of the pressure release button to release air from the at least one of the reservoir or the pneumatic cylinders.

9. The manipulator of claim 1, wherein there are three pneumatic cylinders.

10. The manipulator of claim 1, wherein the pneumatic cylinders are mounted on a structure that is attached to, and configured to move along with, the arm along the track, the structure comprising: a first plate; and a second plate; wherein the pneumatic cylinders are connected to the first plate and the second plate, each of the pneumatic cylinders comprising: a housing to receive and to hold air generating air pressure; and a rod that is movable within the housing and between the first plate and the second plate, movement of the rod being affected by the air pressure to control movement of the arm.

11. The manipulator of claim 1, wherein an amount of the compliance force is between 20 Newtons/millimeter (N/mm) and 60 N/mm.

12. The manipulator of claim 1, wherein the pneumatic cylinders are adjustable to support a test head having a weight within a range of 800 pounds (lbs) to 2600 lbs.

13. A system comprising: a test head configured to interface to a device interface board (DIB) connected to a device under test (DUT), the test head comprising electronics to test the DUT; and a manipulator that is connectable to the test head to bring the test head into contact with the DIB, the manipulator comprising: an arm to enable support for the test head, the arm being configured to move vertically relative to the DIB; one or more motors, coupled to the arm, to drive vertical movement of the arm; and pneumatic cylinders, coupled to the arm, to control movement of the arm to cause the test head to apply a compliance force in a direction of the DIB to cause the test head to connect to the DIB.

14. The system of claim 13, wherein each pneumatic cylinder comprises: a housing to receive and to hold air generating air pressure; and a rod that is movable within the housing, movement of the rod being affected based on the air pressure.

15. The system of claim 13, wherein the manipulator comprises: a controller that is settable to adjust an amount of the compliance force to be applied by the pneumatic cylinders by adjusting air pressure in one or more of the pneumatic cylinders.

16. The system of claim 13, wherein the manipulator comprises: a reservoir to receive a hose for supplying air, the reservoir comprising one or more conduits connecting the reservoir to the pneumatic cylinders for transferring the air to the pneumatic cylinders.

17. The system of claim 16, wherein the reservoir comprises a check valve to receive the hose, the check valve being configured to inhibit release of air upon removal of the hose from the check valve.

18. The system of claim 16, wherein the manipulator comprises: an air regulator, the air regulator comprising a pressure release button, at least one of the reservoir or the pneumatic cylinders being responsive to selection of the pressure release button to release air from the at least one of the reservoir or the pneumatic cylinders.

19. The system of claim 13, wherein the pneumatic cylinders are mounted on a structure that is attached to, and configured to move along with, the arm along the track, the structure comprising: a first plate; and a second plate; wherein the pneumatic cylinders are connected to the first plate and the second plate, each of the pneumatic cylinders comprising: a housing to receive and to hold air generating air pressure; and a rod that is movable within the housing and between the first plate and the second plate, movement of the rod being affected by the air pressure to control movement of the arm.

20. The system of claim 13, wherein an amount of the compliance force is between 20 Newtons/millimeter (N/mm) and 60 N/mm; and wherein the pneumatic cylinders are adjustable to support a test head having a weight within a range of 800 pounds (lbs) to 2600 lbs.