For a correct test setup as per IEC 61000-4-2 two coupling planes are required:
- Horizontal Coupling Plane HCP as part of the test table PRT.
- Vertical Coupling Plane type VCP.
Coupling planes

Test Set-up as per IEC 61000-4-2

For a correct set-up the following items are required:

1. Test table type PRT
   The test must be conducted on a wooden Test Table. On the table, a metallic plane of at least 1,6x 0,8m, the so called Horizontal Coupling Plane, must be used. The EUT shall be isolated by 0,5mm to this metallic plane.

2. Ground Reference Plane
   The ground reference plane shall be located under the test table. It shall exceed the projection of the horizontal coupling plane by at least 0,5m on all sides and shall be connected to the protective grounding system.

3. Grounding resistors type EAS 30
   The Horizontal Coupling Plane on the test table shall be connected to the ground reference plane by 2x470 kΩ resistors.

4. The Vertical Coupling Plane type VCP
   The static electricity is discharged to the VCP and generates in that way a pulsed E—field to the DUT. The Vertical Coupling Plane shall also be connected to the ground reference plane by 2x470 kΩ resistors.