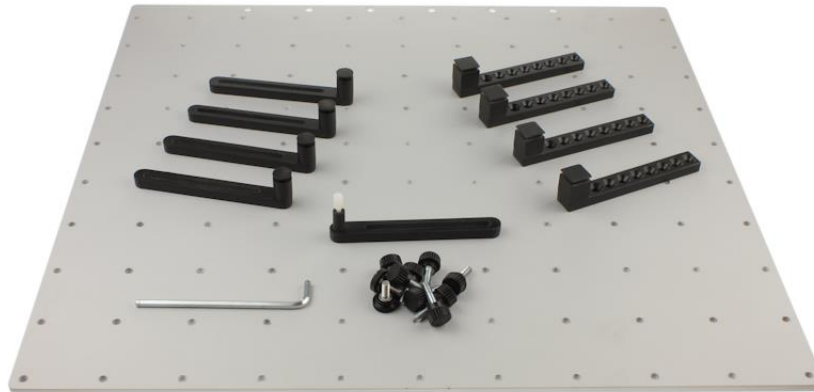


Modular Base Plate for EMPS

Quick Start Guide



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What is in the box

The box contains the Modular Base Plate for EMPS and all accessories to fix it to a Probe Station.



Box content checklist

Quantity [1]	Description	Photo	Identifier [2]
1	Base plate		
1	Set of fixing accessories: 4 x Adjuster Bracket Square 4 x Adjuster Bracket Round 1 x Adjuster Bracket Support 15 x Thumb Screw M5 x 12 1 x Hexagonal Wrench M4		
	This "Modular Base Plate for EMPS- Quick Start Guide"		

[1] Quantity of items registered in the package

[2] Identifier used in references in this document.

What does it do

The Modular Base Plate for EMPS is a new multi-purpose baseplate to replace the one shipped in the first generation of Probe Station.

The Modular Base Plate for EMPS has a redesigned fixture system using adapter brackets on a grid. The brackets are made of durable plastics and isolate printed circuit boards from the baseplate.

The brackets provide a versatile application of supports of targets with a large range of shapes and sizes. The new baseplate more than doubles the working area.

The Modular Base Plate for EMPS has synthetic pads to isolate the baseplate from other metal surfaces and vibrations.

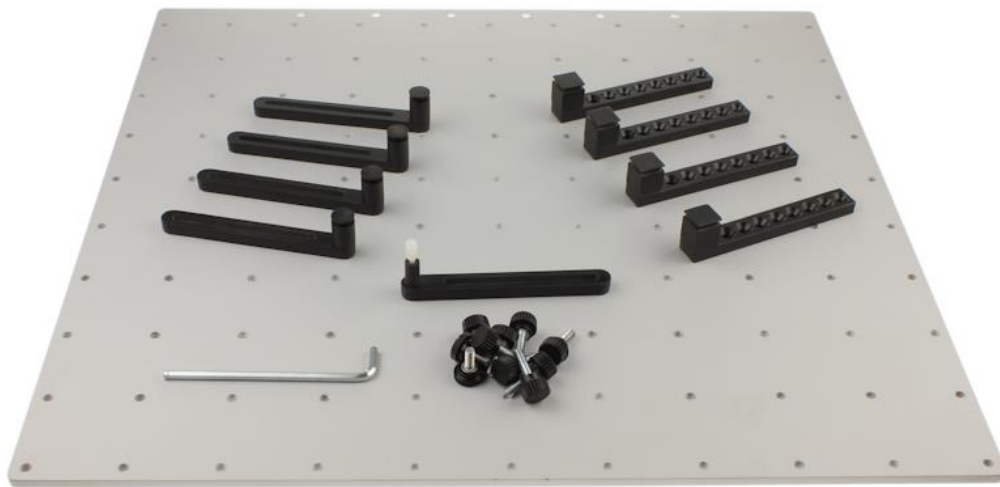


Figure 1 The fixture system based on adapter brackets on a positioning grid.

How to build a setup

Upgrading a Probe Station setup

The upgrade of a Probe Station with the new baseplate requires unlocking of 6 assembly screws with an M4 hexagonal wrench.

The screws are reused on the new baseplate.

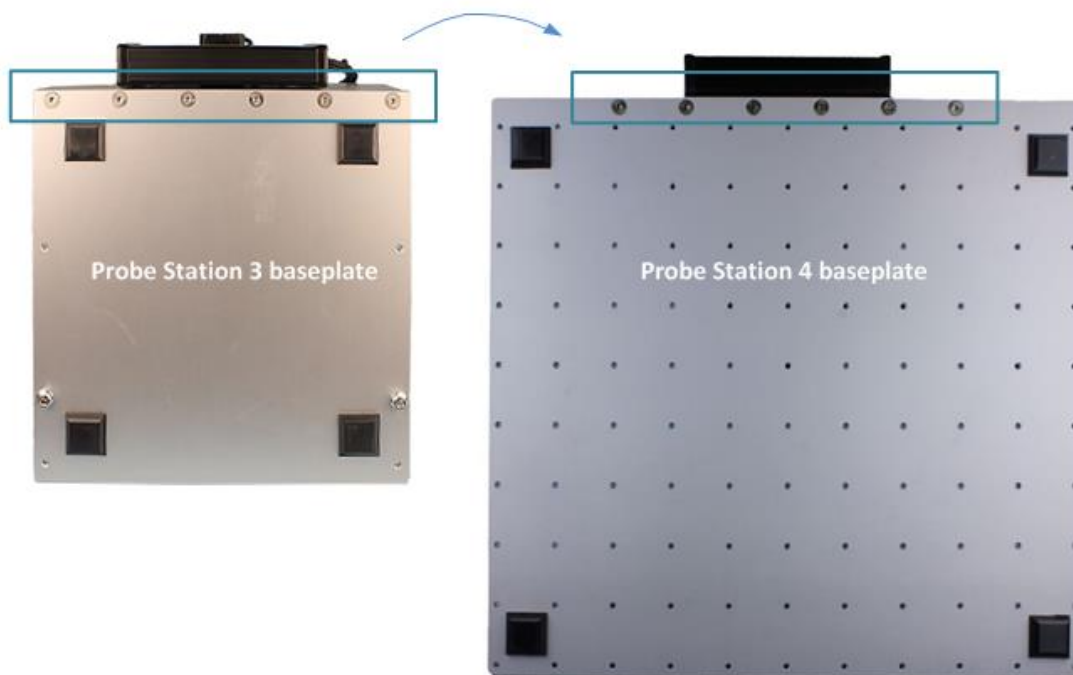


Figure 2 Location of assembly screws on baseplate bottom side.



DO NOT put the Probe Station upside down, to prevent the Z-axis motor carrying all the weight.



Position the baseplate over the edge of a table when (un)locking the screws.

Fixing a target on the baseplate

The Modular Base Plate for EMPS has three types of adjuster brackets:

- Square, to create stable reference corners
- Round, to fix boards from any angle
- Support, to support boards from underneath and to use existing holes.

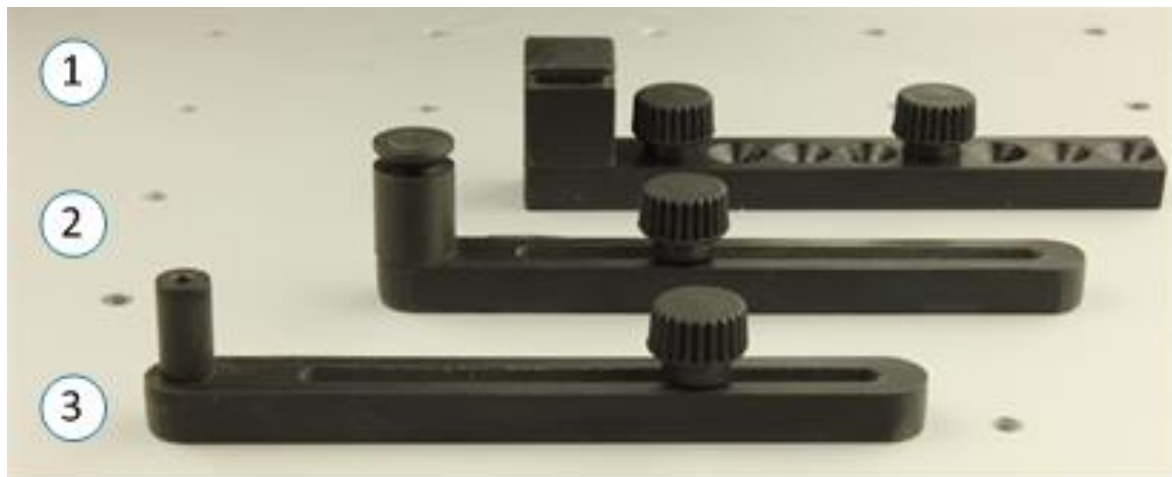


Figure 3 Adjuster brackets of type square (1), round (2) and support (3).



Figure 4 Close-up view on the usage of the different adjuster brackets.

To create a good fixture, do the following:

1. Use two (or three) square adjuster brackets to create a fixed reference corner, and fix each with two thumb screws.
2. Place the object against the reference corner.
3. Add remaining round adjuster brackets at opposite locations against the object, and fix each of them with thumb screws as required.

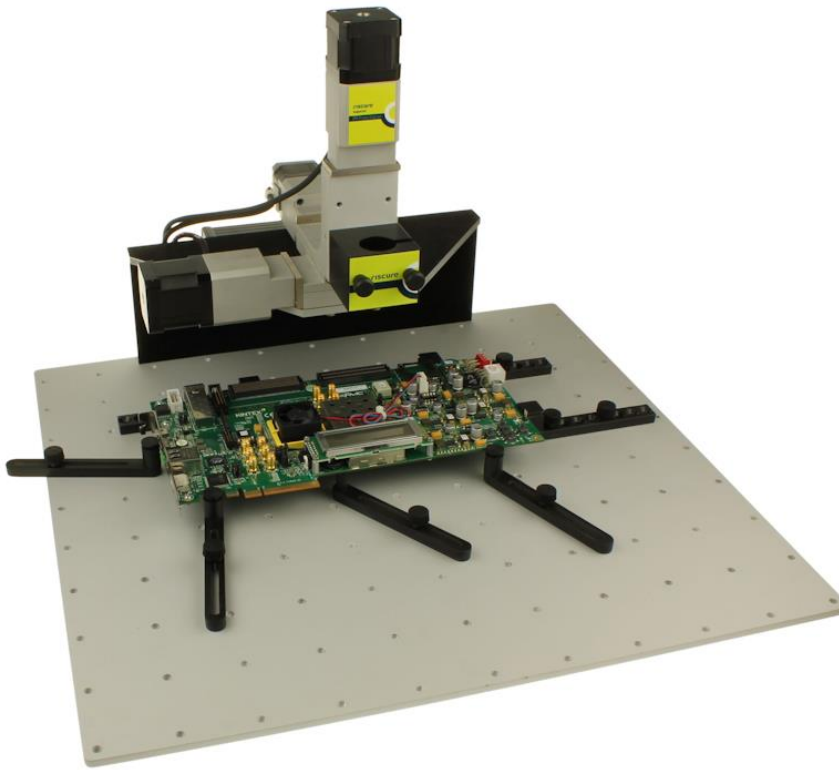


Figure 5 Example of fixing a printed circuit board.

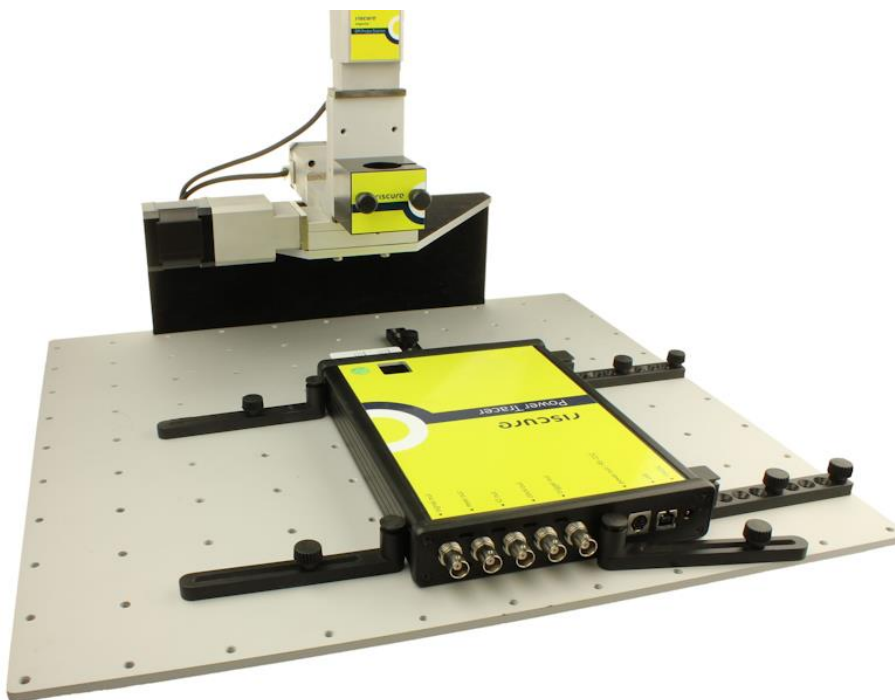


Figure 6 Example of fixing a Power Tracer.

Help and troubleshooting

Still have questions?

Visit the Riscure Support Portal: <http://support.riscure.com>.

Technical specifications

Operational conditions

- Room temperature 20 .. 30 °C, (68 .. 86 °F), preferred.

Baseplate assembly

- 6 screws M6, hexagonal wrench M4.
- Baseplate made of anodized aluminum
- Weight 3.4 kg

Target fixture

- Fixation method: adjuster brackets, 3 types, thumb screws.
- Bracket spots: square grid, distance 46 mm, threaded holes M5.

Product case

- Dimensions (W x D x H): 476 x 445 x 6 [mm].

Declaration of conformity

The Modular Base Plate for EMPS is part of the Probe Station product. The Modular Base Plate for EMPS implementation complies to the directives and standards mentioned in the EC Declaration of Conformity of the Probe Station.