

Sample stage

Bohrbild1b.pdf Overview

Integrated in the [rotation stage](#) is a sample stage. The sample stage allows for sample alignment w.r.t. to the rotation axis. Two different sample stages are available. The standard sample stage is a piezo x-y table which carries up to 15 kg. Another stage is available consisting of 5 piezo actuators carrying up to 100g allowing for tilt correction and motion in z-direction

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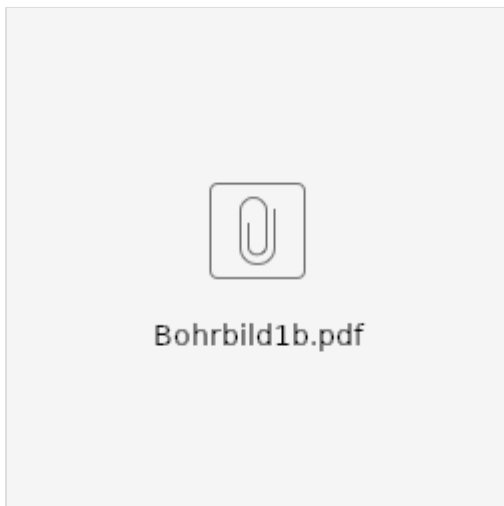
Standard piezo x-y-table

The standard x-y table carries **up to 15 kg** and is thus well suited for small sample environments.

direction	travel range
x	+/- 12.5 mm
y	+/- 12.5 mm

Sample mount

The standard x-y-table can be used with either the standard sample pin holder or, for custom sample environments, directly on the table. Below is a sketch with drilling pattern.



Optional 5-axis piezo positioner

The coordinate system is defined in the [experiment sketch](#), rot_x, rot_y and rot_z refer to rotations around the x, y and z axes respectively.

direction	travel range
x	+/- 2 mm
y	+/- 2 mm
z	+/- 5 mm
rot x	+/- 2°
rot y	+/- 2°
rot_z	-