

Sample holders for the ZHN

Maximum sample size in the ZHN (height x width x length) is: 65mm x 80mm x 80mm

Without LFU there are even larger samples possible.

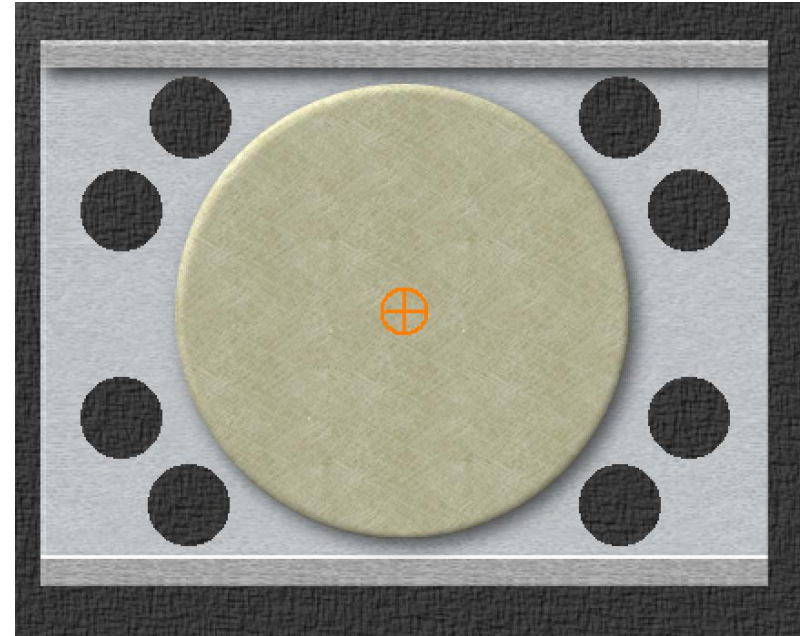


Connector
for
resistance
measurement



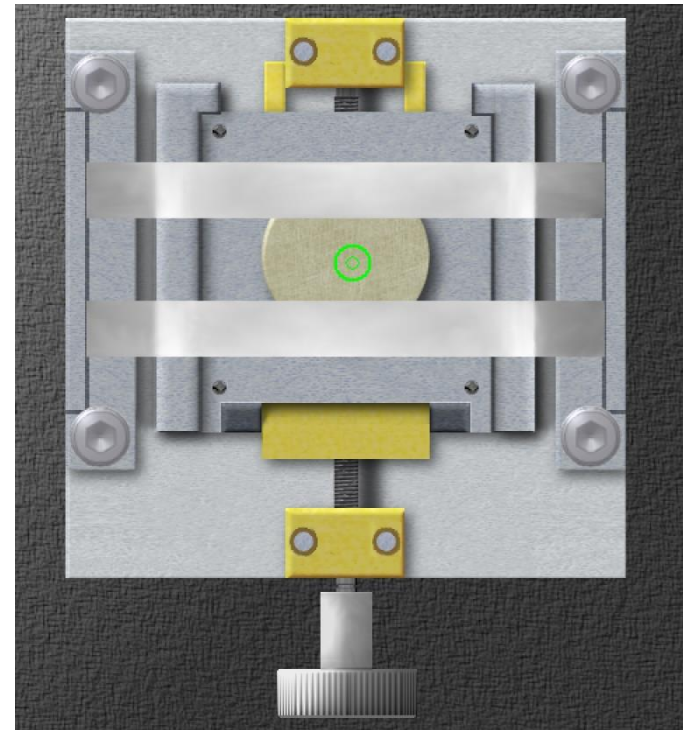
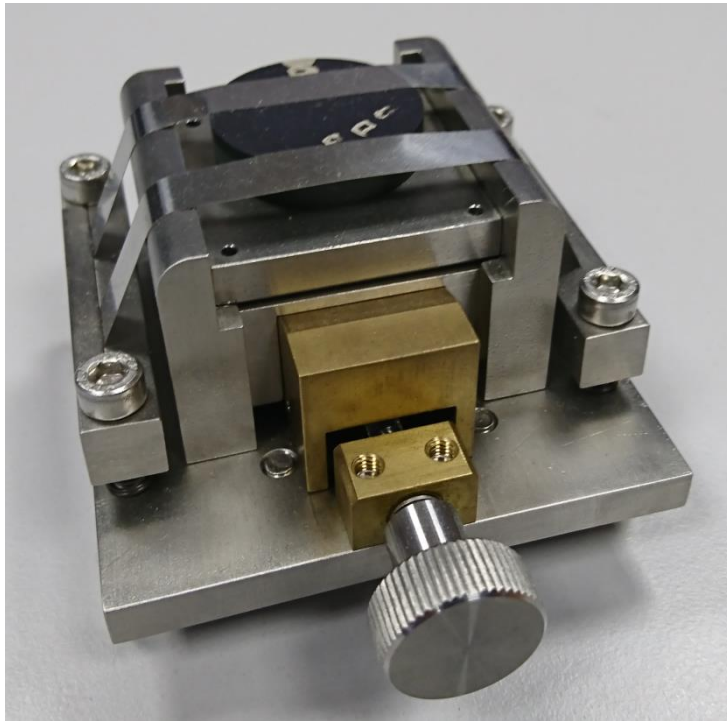
1) Standard sample holder for up to 5 samples of different height

- 5 nonmagnetic steel cylinders for sample fixing, diameter 24mm, height 14mm
- The samples will be fixed by using hard wax
- Compensation of different sample heights of up to 8mm
- If possible the sample surface should be adjusted at the upper sample holder edge
- Isolated holder top for measuring the contact resistance between tip and sample



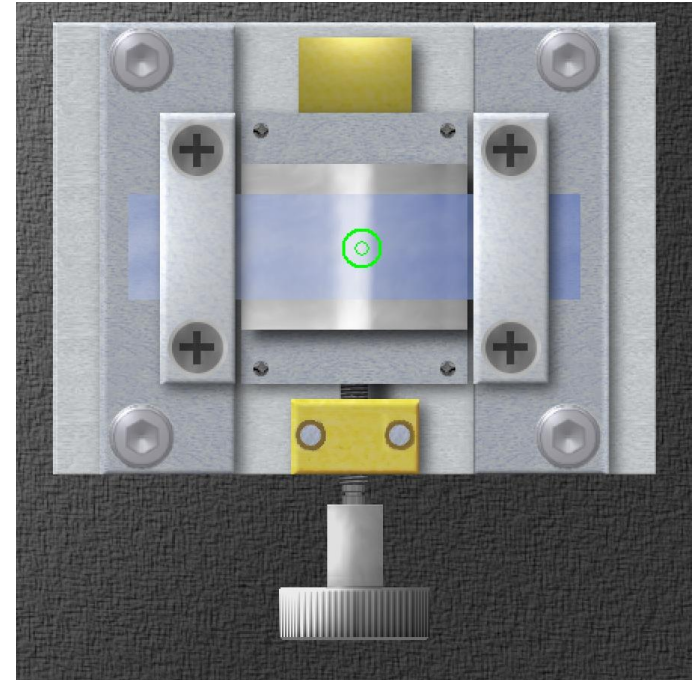
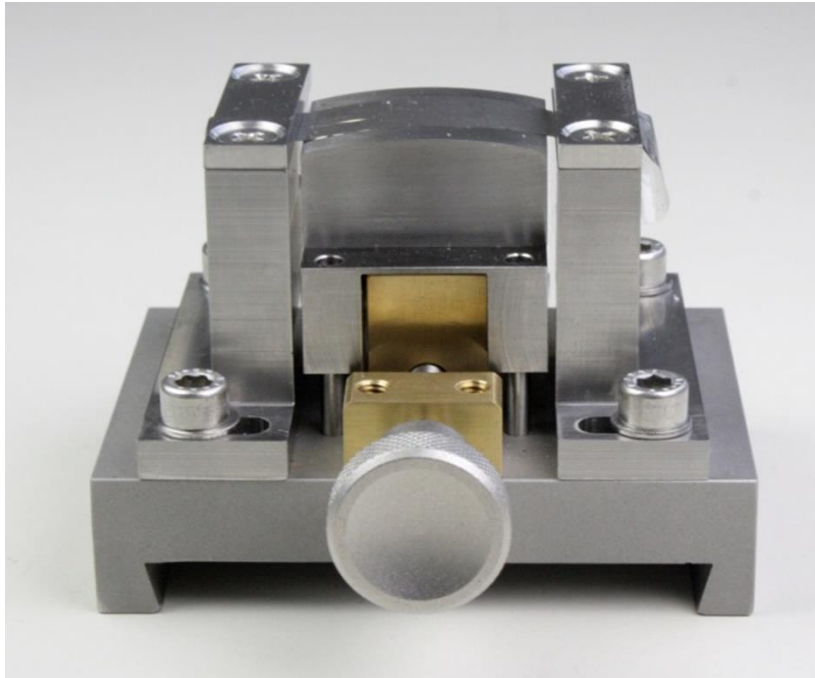
2) Sample holder for 1 big sample up to 80mm x 80mm

- 1 nonmagnetic steel cylinder for sample fixing, diameter 50mm, height 14mm
- The samples will be fixed by using hard wax
- Compensation of different sample heights of up to 8mm
- If possible, the sample surface should be adjusted at the upper sample holder edge
- The sample can be bigger than the steel cylinder; measurement range 50mm \varnothing



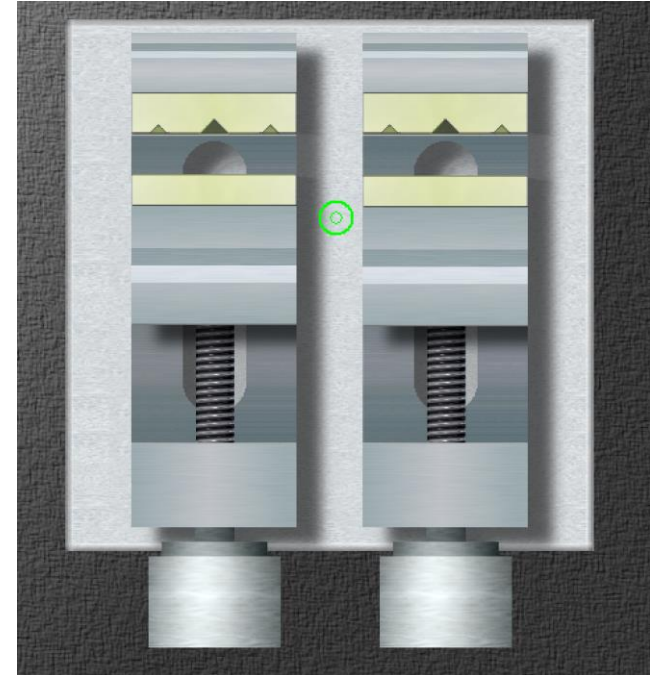
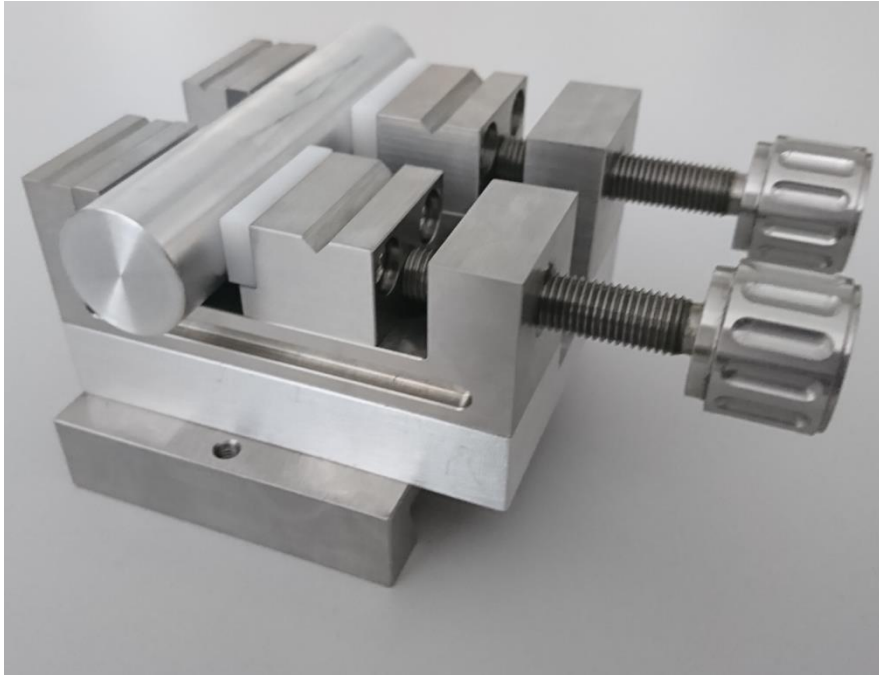
3) Clamping sample holder

- Samples will be pressed against two leaf springs by a wedge mechanism
- Maximum sample size (height x width x length): 8,5mm x 40mm x 40mm
or by removing an inset: 7mm - 17mm x 34mm x 80mm
- Minimum sample width: 12mm
- Measurement range between leaf springs maximum 13mm x 40mm



4) Sample holder for foils and fibers

- Samples will be fixed to the left and right by slightly convex clamping brackets and pressed from below by a wedge mechanism with convex surface
- The measurement area is at the vertex of the convex surface along a width of about 2mm
- Maximum sample width: 20mm



5) Vice sample holder for 2 samples

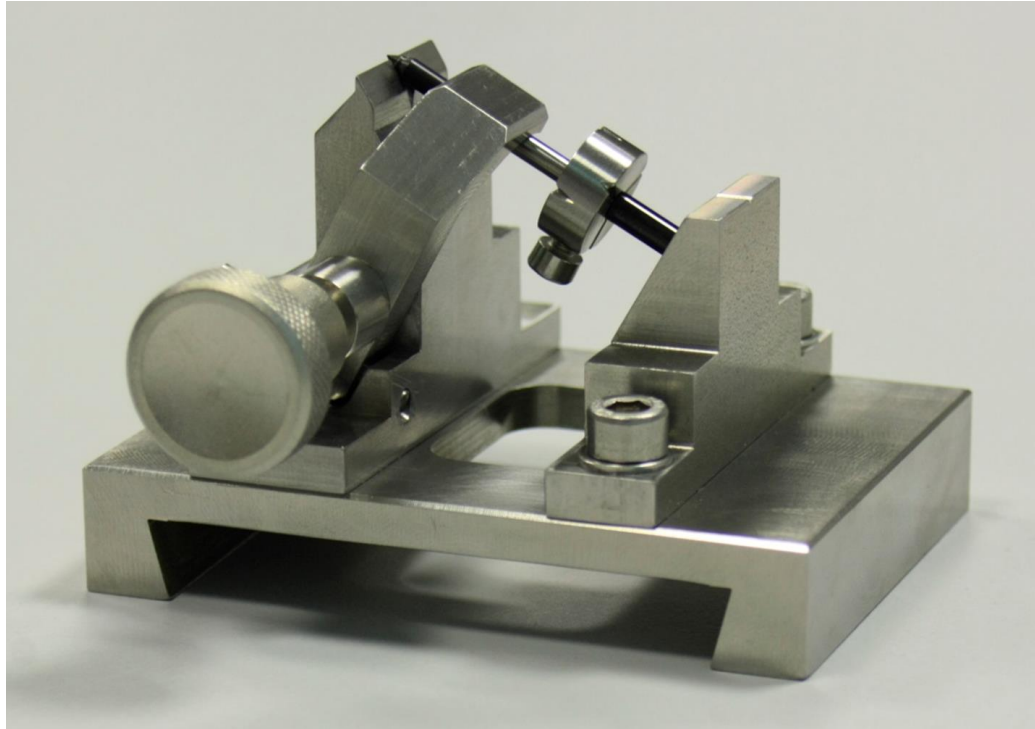
- Samples will be clamped by two small bench vice
- Maximum sample size (width x length) for 2 samples: 25mm x 40mm
for 1 sample: 25mm x 80mm
- Version with modified brackets for 2 samples of 40mm in diameter



6) Sample heater for up to 400 °C

- Maximum sample size (height x width x length): 4mm x 16mm x 20mm
- Maximum measurement area (width x length): 2mm x 2mm
- For technical data see data sheet sample heater

Custom made versions are possible



Sample holder for measurements at the tip of injection needles