

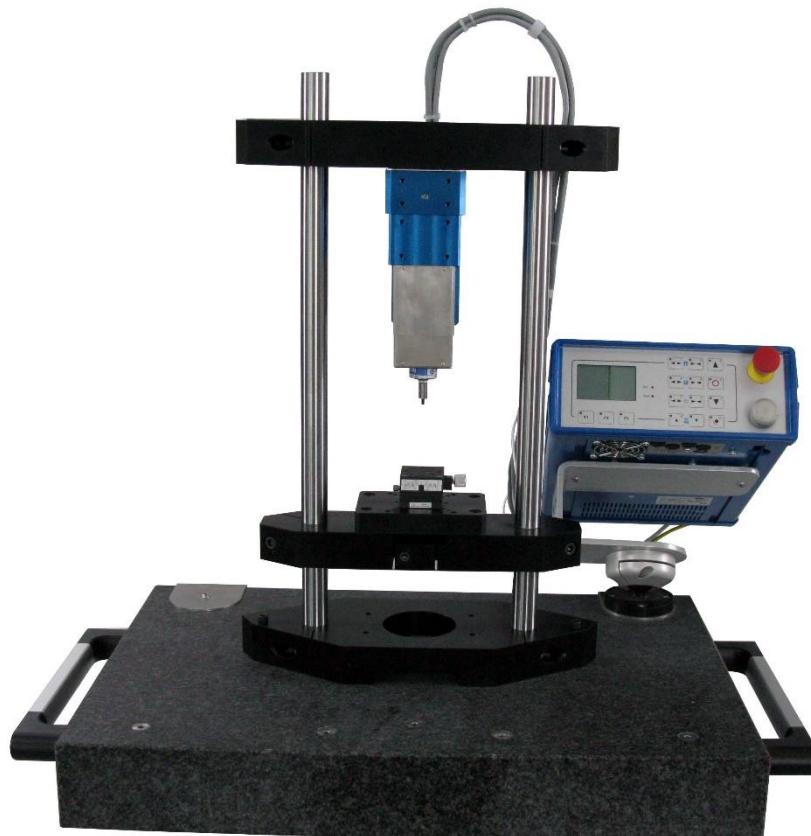


**Hegewald & Peschke**  
Meß- und Prüftechnik GmbH

Product Information

# Static miniature testing machine

inspect micro S500N



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Technical data:

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**System properties**

- DC servomotor and high precision drive for static tests and low cycle ranges
- Long-term test load  $\pm 500\text{N}$
- Special design for the work with small specimens
- Tool connection with R8/3 or with M5 thread

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**Technical parameters**

- Test load  $\pm 500\text{N}$
- Maximum stroke 50mm
- Load resolution  $\pm 180,000$  digits, class 1 (between 1% and 100% FS  $\pm 1\%$  of the displayed value, according to ASTM E4, DIN EN ISO 7500 class 1)
- Exchangeable sensors (recommended grading 10N /50N /100N)
- incremental laser position measurement system, resolution 0,002 $\mu\text{m}$ , accuracy  $\pm 0.5\mu\text{m}$
- Direct position measurement underneath the load table with a glass scale
- Testing speed 0.0005 - 600mm/min (10mm/s), acceleration a max=200m/s<sup>2</sup>, 250N/s<sup>2</sup>
- Maximum loading speed 200N/s
- System stiffness 25N/ $\mu\text{m}$
- Data interface LAN or USB 2.0 full speed
- Basic construction on a hard stone plate for passive dampening with the possibility of additional mounting of tools or devices
- Electric connection: 115/230V AC; 0.5kVA; 50/60Hz

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**Optional accessories**

- Load cell
  - Zoom-microscope 0.8x - 5x
  - Arm rests
  - Software LabMaster
  - PC with 2 monitors
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