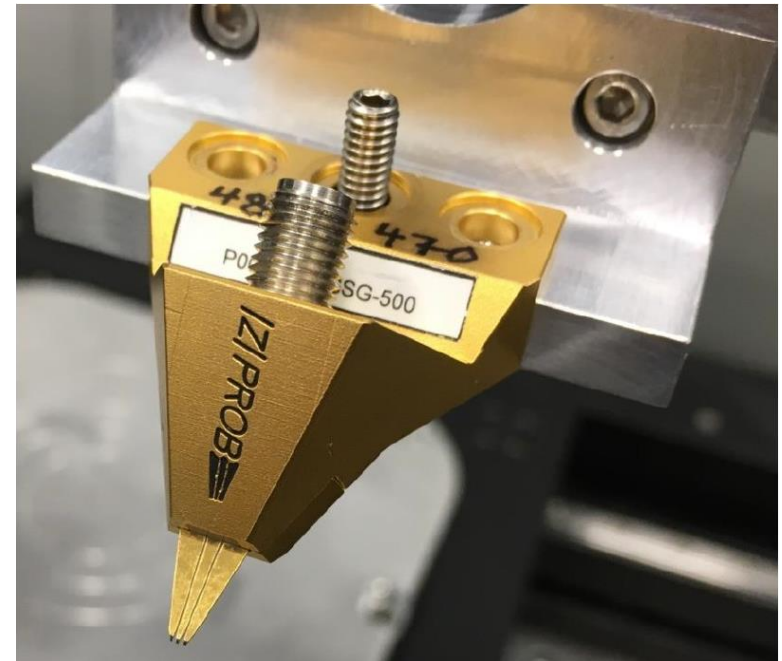
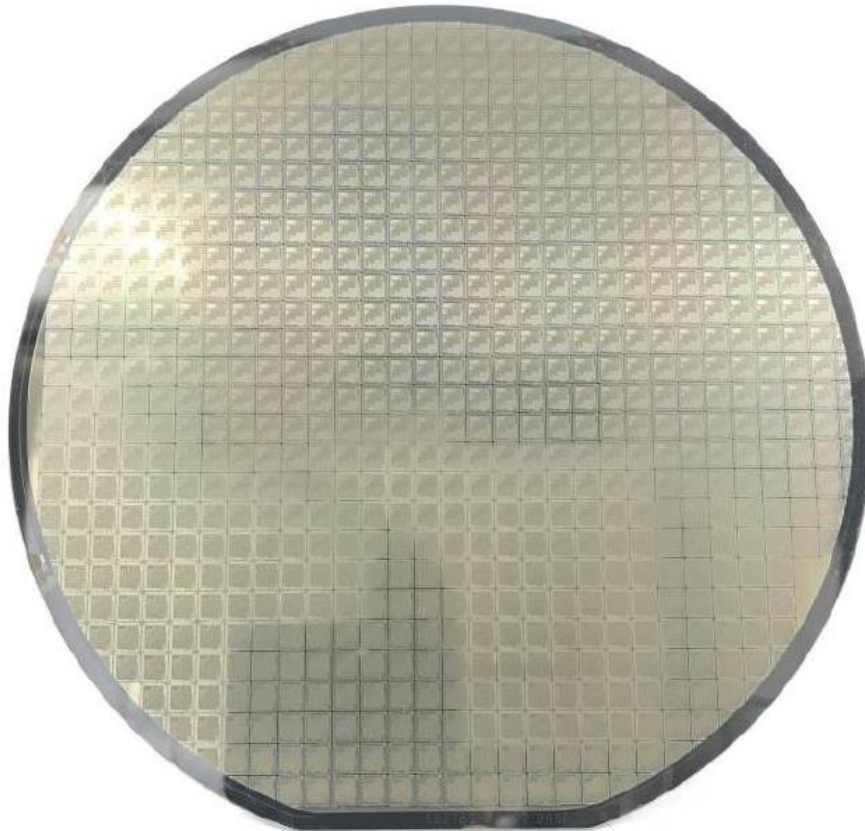
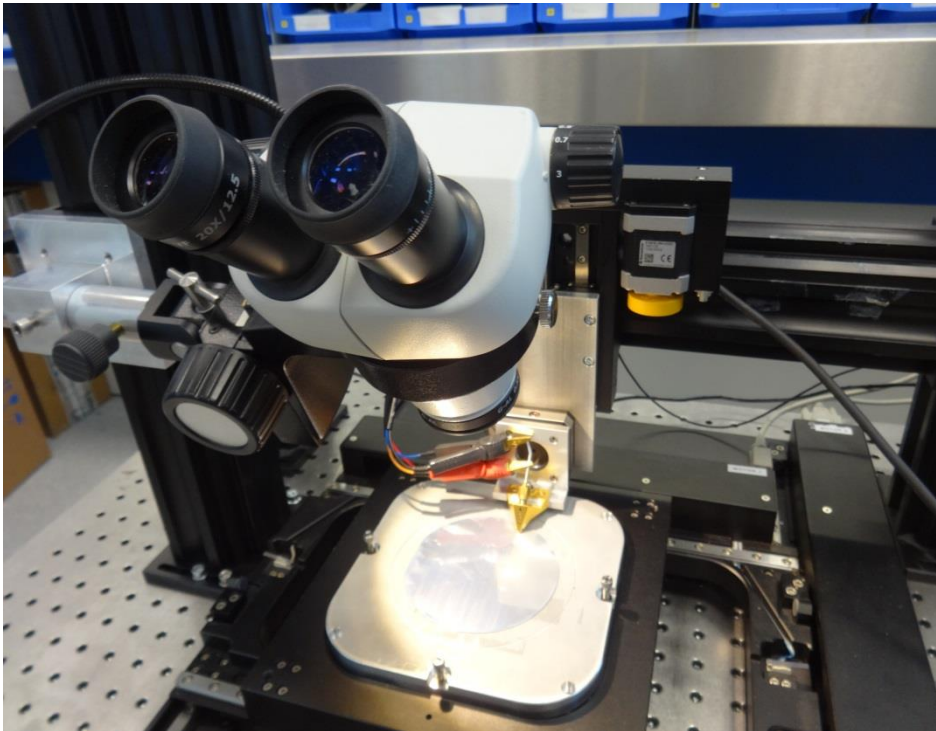


Dauertester für OnWafer-Messsysteme



Hardware Anforderungen

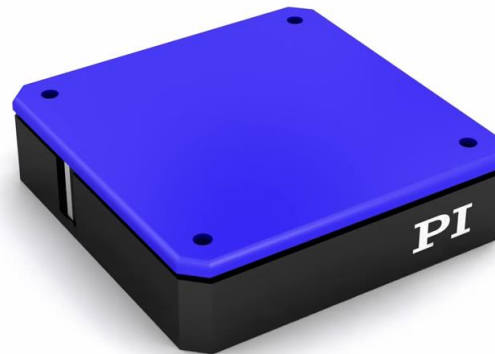


- exaktes Positionieren
- Simulieren von Verschleiß der Messspitze
- Schnelle Ausführung der Kontaktierung (Anforderung 2x pro Sekunde)
- Ermittlung des Kontaktwiderstand Messspitze<->Wafer

Arbeitshub mit Piezo-Aktor

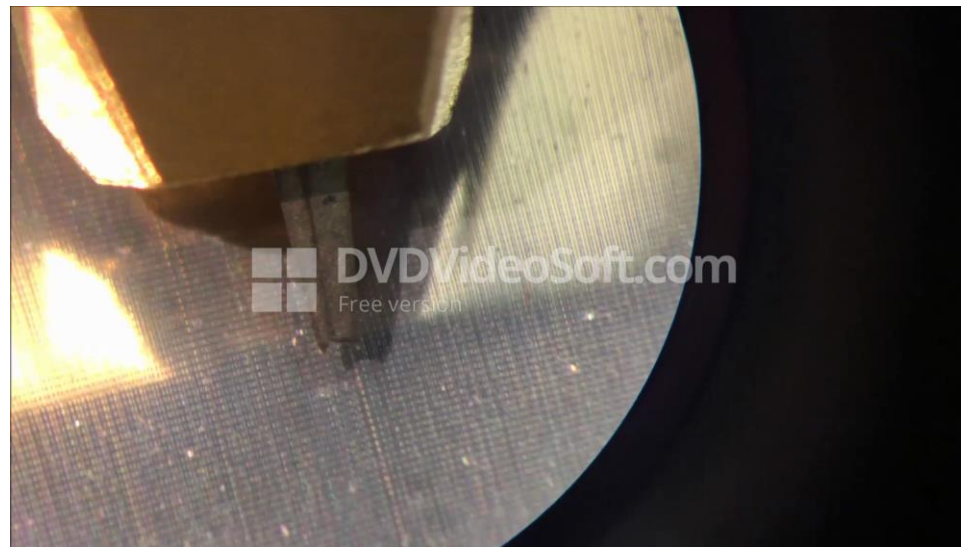
- Sehr hohe Beschleunigung
- geringer Verschleiß
- Keine Getriebe- Spindelkombination -> Direkt lineare Bewegung

PI



Automatikbetrieb

- Anfahren der Positionen
- 1 Mio. Antasten pro Test
- Kontaktwiderstand ermitteln

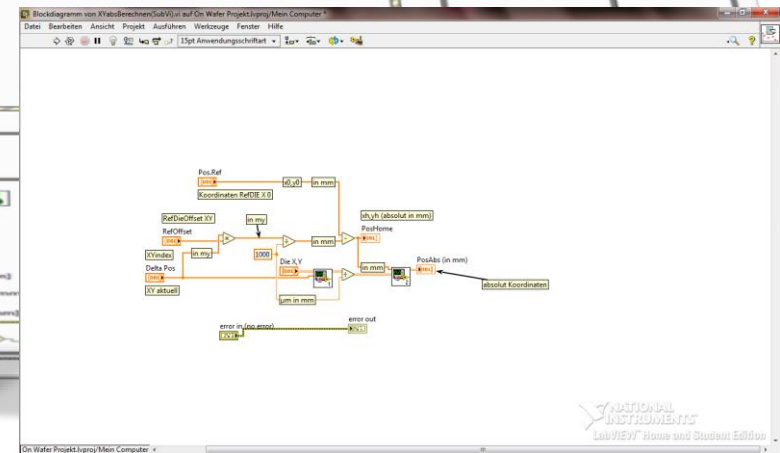
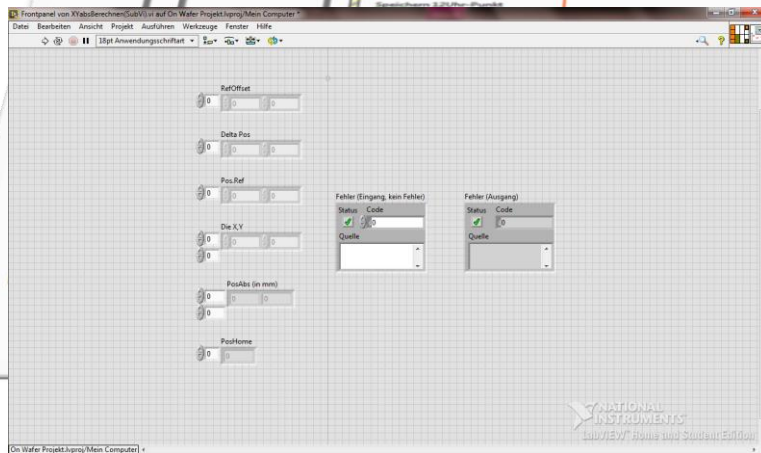


SOFTWARE

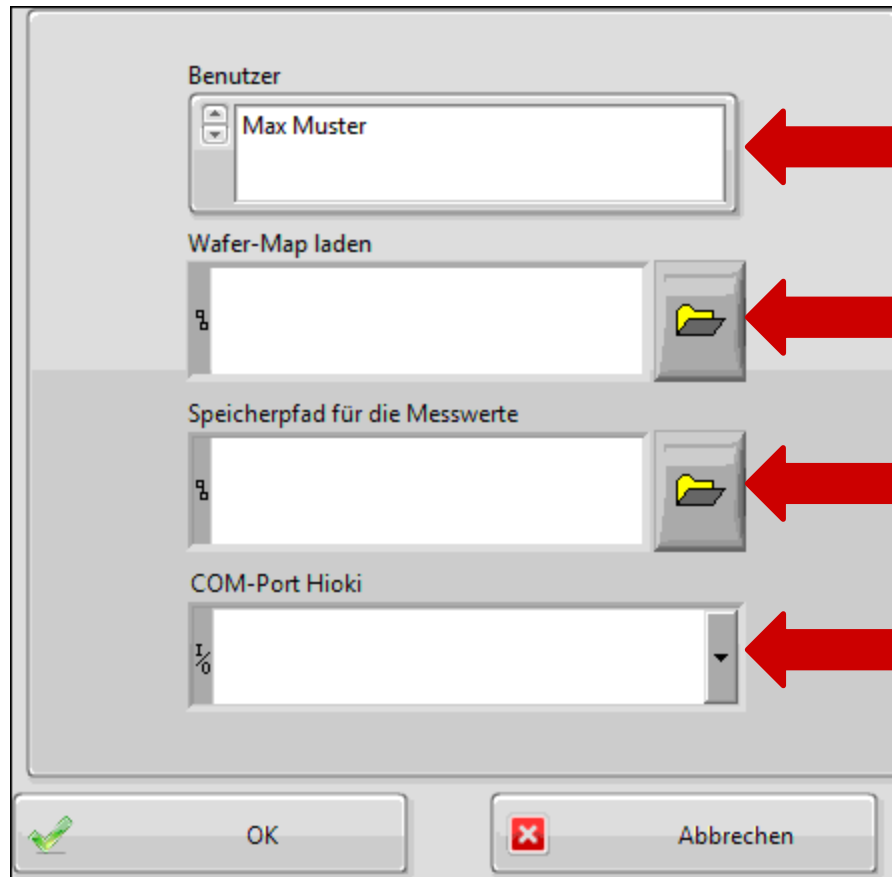
Programmierung mit  **LabVIEW**

Frontpanel

Blockdiagramm



Dialogfenster



Bedienoberfläche



The screenshot shows a control interface for a piezo leveling system. A large red circle highlights the main control area, with numbers 9, 12, 3, and 6 indicating specific sections. The interface includes:

- Top Left (9):** A control panel with three sets of input fields for Y-Wert, X-Wert, and Z-Wert, each with a 'Speichern' (Save) button and an 'Anfahren' (Start) button.
- Top Center (12):** A large red number '12' above a set of input fields for Y-Wert, X-Wert, and Z-Wert, with 'Speichern' and 'Anfahren' buttons.
- Top Right (3):** A control panel with directional buttons (X-, X+, Y-, Y+), Z-axis buttons (Z auf, Z ab), a speed slider (Geschwindigkeit [mm/s] from 0 to 10), a 'Set Ref' button, and a 'Position [abs.]' section with input fields for Y, X, and Z axes (all set to 0,00) and an 'Anfahren' button.
- Bottom (6):** A 'Piezo' section with a 'Schnittweite Piezo [µm]' slider (0 to 50), an 'Antasten' button, a 'Z-Pos Piezo' input field (set to 0), and a 'Z-Werte auf 0 setzen' button. Below this are two large buttons: 'Nivellieren bestätigen' (highlighted with a red box) and 'Beenden'.

Blockdiagramm im Highlight - Modus

