



PRODUCT DESCRIPTION

TSK APM6000A LABVIEW DRIVER

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FemtoTek's LabVIEW Driver for the TSK APM6000A Prober is a software package that enables automated control of the TSK APM6000A wafer prober. The driver software communicates with the prober through the computer's GPIB interface.

FemtoTek's driver package includes:

- APM6000A command VIs
- Checkout panel
- Sample program

The driver library offers a complete choice of all the APM6000 commands (see table below). The prober responds to many move and action commands by means of the GPIB SRQ. The LabVIEW driver converts the STB (status byte) information returned with the SRQ into a prober status. The prober status information can be used to create LabVIEW programs that process cassettes and wafers, and react to error conditions.

The checkout panel allows you to send a selection of commands to the prober one at a time to verify the prober and GPIB interface.

The sample program demonstrates how to combine the prober driver with DUT test routines. For a typical application, shown in the sample programs, the operator intervenes only to load the cassette and initial wafer. The rest of the cassette can be measured automatically using computer control.

Commands implemented in the TSK APM6000A driver library

Move:	
<ul style="list-style-type: none">▪ Move to start die▪ Move to next die▪ Move xy absolute▪ Move relative xy index▪ Pass count up▪ Fail count up	<ul style="list-style-type: none">▪ Z up▪ Z down▪ Mark die▪ Mark with data
Action:	
<ul style="list-style-type: none">▪ Stop prober▪ Unload load align▪ Unload	<ul style="list-style-type: none">▪ Alignment retry▪ Clean needle

Setting & Configuration:

- Set xy index size
- Multi-site request

Status Query:

- Get xy index
- Get xy absolute
- Get gross value
- Get on-wafer status
- Get wafer number
- Get prober ID
- Get lot number

General:

- Initialize
- Close
- Wait for SRQ
- Read error code