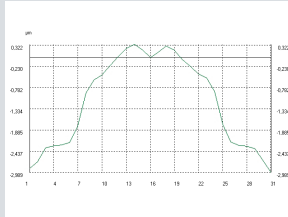


# DataCorrect

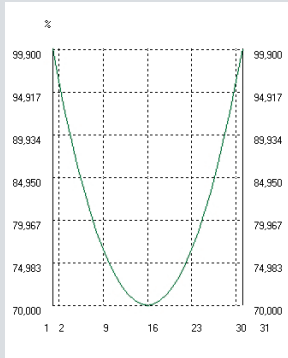
Figure correction for grinding and polishing

Efficient figure correction of spheres and aspheres with direct input of metrology data, including data manipulation.

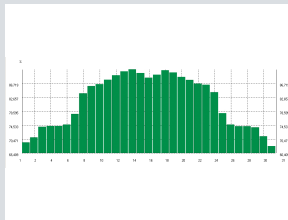
**satisloh**



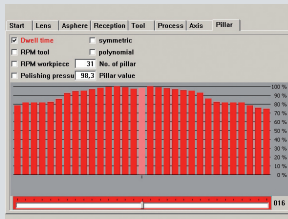
Direct input of various metrology data files.



Polynomial compensation of the removal speed (circumference and curvature).



Calculated dwell-time profile for corrective polishing of aspheres.



Compensated dwell-time profile displayed in the polishing machine control software.

## Features:

- Figure correction software for grinding and polishing
- Corrects rotationally symmetric shape errors
- Direct input of metrology data (error profile)
- Data manipulation: smoothing, replacing false data points, etc.
- Polynomial data fit - up to 30th order
- Range extrapolation: geometrical expansion by adding of data beyond the original measurement range
- Edge extension functions: tangential, spherical, parabolic, constant

## Polishing:

- Figure correction polishing of spheres and aspheres
- Automatically generated dwell-time profiles
- Polynomial compensation: circumference and curvature
- Direct read of dwell-time-profile output file by PII, SPS60

## Grinding:

- Direct read of error-profile output file by GI, GII, SII, SPM60

## Benefits:

- Process specific, dedicated features for both grinding and polishing
- Tremendous time savings in job preparations
- Complete solution, including raw data manipulation and fitting
- Eliminates critical limitations by geometrical range extrapolation and edge extension functions
- Finely tunable polynomial compensation of circumference and curvature dependent material removal function
- Compatible with numerous metrology data file formats

## Technical Information:

- DataCorrect Version 3.x
- Reads metrology data (error-profile) file formats:
  - Zeiss UPMC
  - Form Talysurf, Talycontour
  - Zygo
  - Mitutoyo
  - Leitz Coordinate measurement system
  - ASCII-files (X, Y)
  - customized
- Software runs on any PC (Windows™)

# Data

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 Subject to technical changes

