

# FUNCTION OVERVIEW

## ABIS II SOFTWARE COMPONENTS

### ABIS-SystemProcessManager

- Start and administration of all single processes
- Automatic control and display of system diagnosis messages

### ABIS-SystemProgressInfo

- Automatic display of processing progress of a measurement, divided into measurement positions and processes

### ABIS-SystemOfflineUI

- Selection and start of measurements
- Touchscreen functionality
- Configuration of menu buttons and letterings via ABIS-TeachIn
- Easy communication with robot control via I/O interface

### ABIS-AcquisitionSensor

- Automatic image acquisition
- Possible simulation of a series of measurements

### ABIS-AcquisitionPreprocessing

- Automatic correction function for the compensation of minimum measurement position deviations
- Automatic preprocessing of images for defect analysis

### ABIS-Analysis

- Automatic detection and analysis of defect regions
- Possible consideration of different areas of relevance and quality standards

### ABIS-SystemDefectManager

- Automatic registration of classification data acquired with ABIS-Analysis into a central database

### ABIS-SystemMarker

- Automatic display of defects acquired with ABIS-Analysis in a CAD display of the test part - I.O. / N.I.O. display
- Individual configuration possibilities for defect display
- Subsequent loading and display of classification data from a database
- Print functions

### ABIS-TeachIn

- Comfortable setup and teaching of components/test parts
- Clear and methodic processing of the single teaching steps
- Selection of various defect algorithms
- Selection of different virtual whetstones
- Individual classification of all detected features/characteristics
- Configuration and modification of all acquired measurement data