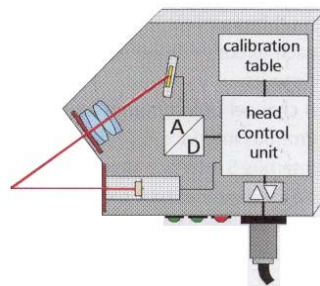
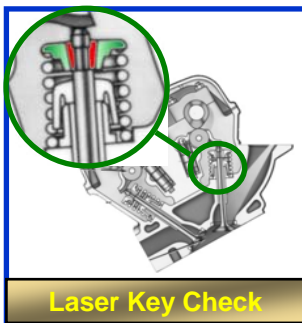
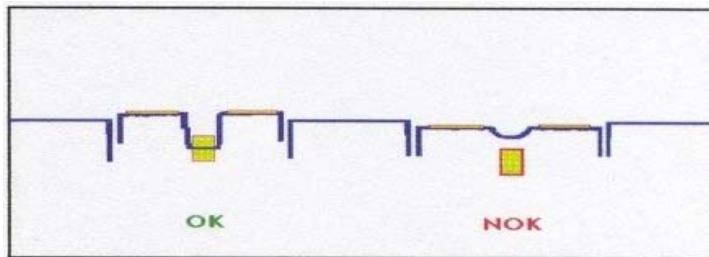
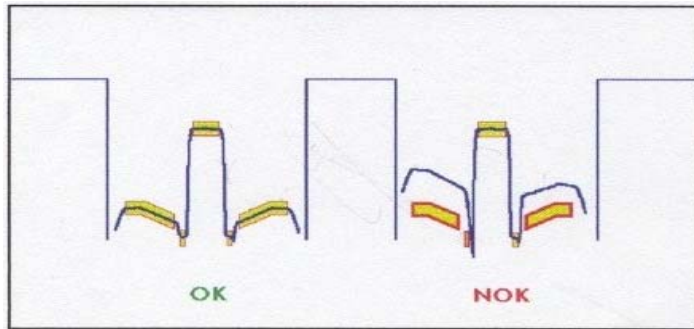


# ABB Laser Key Check-ITS



## Advantages

- In-line real time testing
- No additional positioning stages are required
- Different types of cylinder heads can be checked in one control station
- Flexible communication with PLC via parallel I/O, Profibus or Interbus-S
- Live display of assembly status on panel or monitor

## Performance

The modular design of the ITS distance measurement system enables a variety of tools and solutions for industrialized production and quality assurance:

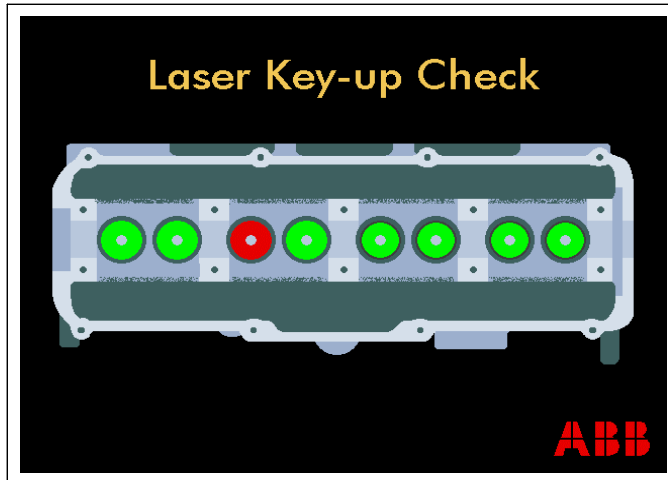
- Non-contact measurement
- Inspection of:
  - Distance and position
  - Profile and dimension
- Modular head control unit:
  - Light modulation ( $f=105\text{ kHz}$ ) and power control
  - High resolution 16-bit A/D converter
  - EEPROM to store identification and calibration data
  - Digital serial interface

## References

- Automotive OEMs



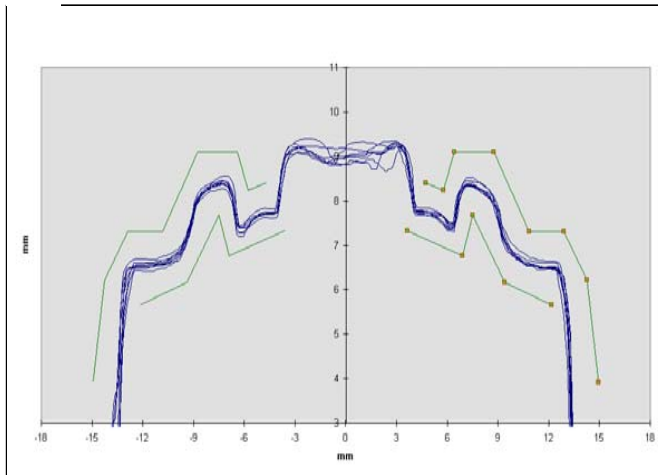
# ABB Laser Key Check-ITS



## Options

### Display Monitor:

- Local Display of the accept and Retest Valves
- Real Time Display Svga Graphic
- Nema Enclosure



### Windows Operator Interface:

- Front End User Interface
- Windows Web Page Configuration
- Graphic Display of accept and Retest Valves
- Graphic Display of Valve Sections Overlay
- Graphic Programming of Test Limits
- Excel Spread Sheet Reports
- Nema 12 Enclosure

