

## Kontron's 3.5"-SBC-KBL/TGL empowers a hardness tester to eliminate unwanted measurement tolerance

### CHALLENGE


- ▶ The hardness testing machine needs high performance to position the test head, process images from the camera and then output the results to the display
- ▶ Finding a compact-sized baseboard to be integrated within a narrow section of the machine
- ▶ Needing a fanless solution to be housed within a non-ventilated enclosure
- ▶ Requiring the longevity of the baseboard as well as key components to ensure the extended lifecycle of the machine

### SOLUTION

- ▶ Kontron's 3.5"-SBC-KBL and 3.5"-SBC-TGL are small form factor single board computers measuring only 146 mm x 105 mm
- ▶ The selected variants are Intel® Core™ i7-7600U for the previous generation and Intel® Core™ i7-1185G7E for the latest generation respectively, which deliver powerful performance and multitasking capabilities, enabling smooth operation even with demanding tasks
- ▶ Low TDP of only 15 W to balance performance and power consumption, making fanless design possible
- ▶ Long-term availability of 10 years and up to 15 years or more by request

### BENEFITS

- ▶ Consistent design for easy upgrade generation by generation
- ▶ Taking advantage of a TPM 2.0 chip integrated on the board for enhanced data and system security
- ▶ Add-on services including memory, storage and cooling solutions to save development effort, time and costs
- ▶ Partnering with a well-known trusted supplier with the industrial device design expertise

 Learn more:  
3.5"-SBC-KBL & 3.5"-SBC-TGL