

Instron's CT6 offers the benefits of automation without the additional complexity of a fully automated testing system. The CT6 integrates an easy-to-program cobot with a universal testing machine and Bluehill® Universal software to seamlessly test multiple specimens and accurately retain customer data. It is designed to be quickly and easily programmed by the user to accommodate different types of testing, in much the same way that universal testing systems can be programmed by operators to accommodate new test methods and fixtures.

## FEATURES AND BENEFITS

- **Lab Efficiency:** The system acts independently to load specimens, automatically start testing, and unload specimens after test completion. After setting up and starting the testing, the technician or engineer is free to perform other tasks while the system processes the specimens.
- **Safety & Ergonomics:** Since the operator is not required to load and unload specimens into the frame, repetitive motions are greatly reduced and user ergonomics are improved. The cobot reduces the need for guarding based on the risk assessment of the test, with many applications requiring no guarding.
- **Size:** Instron's CT6 compact design only takes up ~8 in (20 cm) of additional space to the side of an 68SC or single column 5900.
- **Flexibility:** The CT6 is designed to be quickly and easily programmed, meaning that testing new materials or specimen sizes can be automated with minimum time required for the initial setup. Reconfiguring the CT6 for a new test setup can be handled with little to no support from Instron, increasing the autonomy of your lab. New racks and fixture design can be handled entirely by your own internal team or by the custom engineering group at Instron.
- **Integrated with Bluehill Universal:** CT6 software is integrated with Bluehill Universal to seamlessly test multiple specimens and accurately retain customer data.
- **Portability:** The Cobot on your CT6 is portable, and can be easily moved between different systems in your lab.



The CT6 is compatible with Instron's 6800 and 5900 systems. It mounts easily to a new system or can be retrofitted onto an existing system in the field.

## SPECIFICATIONS

|                              |      |          |
|------------------------------|------|----------|
| <b>Payload</b>               | kg   | 3        |
|                              | lbs  | 6.6      |
| <b>Reach</b>                 | mm   | 500      |
|                              | in   | 19.7     |
| <b>Weight</b>                | kg   | 11       |
|                              | lbs  | 24.3     |
| <b>Speed (TCP)</b>           | mm/s | 1        |
|                              | in/s | 39.4     |
| <b>Repeatability</b>         | mm   | ±0.03    |
| <b>Power Consumption</b>     | W    | 300      |
| <b>Operating Temperature</b> | C°   | 0 - 50   |
|                              | F°   | 32 - 122 |
| <b>Humidity</b>              | RH   | 90%      |