CRITERION ✓ NDT

HEAT TREATMENT, MATERIAL MIX, THREADS AND ASSEMBLY TEST SOLUTIONS

ST-11 Features:

- **Confirm heat treatment,** case depth, material mix and assembly
- **Eight test frequencies** and data channels help sort out parts with a wide spectrum of potential reject conditions
- **Setup Assist** feature provides a quick and easy way to customize product specific test configurations
- **Industrial I/O** works with material handling systems' PLC's for easy production integration
- **TCP/IP** communication allows a variety of additional controls
- Includes TCP/IP **Remote Control Apps** for use on any Windows PC
- **Full Color Touch Screen** with our simplified menu provides an intuitive operating experience
- **Rugged** all aluminum enclosure is designed for tough production environments
- **No external fan** keeps dirt and oily air out
- **Reduces scrap and warranty costs** by finding issues during production
- Provides **valuable test** aspect for the quality of safety critical components
- **Clean** non-destructive test method

ST-11

STRUCTURE TEST INSTRUMENT

SORT OUT MATERIAL STRUCTURE, HARDNESS AND MATERIAL MIX ISSUES, CONFIRM THREAD QUALITY AND VERIFY CORRECT ASSEMBLY IN REAL TIME.

Multi-frequency ST-11 verifies material structure and hardness after heat treatment, confirms alloy type and checks threaded hole quality at production line speeds.

The ST-11 instrument helps you detect and sort out undesirable heat treat conditions such as shallow or misplaced case as well as others resulting from short heat, delayed quench, short quench, air cooled and no heat.

The ST-11 is ideal for testing Automotive Drive Train Components such as Gears, Shafts, Valves, Rings, Bearings, Fasteners, Threaded Blocks and Covers, Assembly Verification and other Safety Critical Items.

FREE FEASIBILITY STUDIES guarantees results using your actual production parts.

SPECIFICATIONS

Dimensions	8" tall x 13" wide x 16" deep 20 cm x 33cm x 40 cm
Weight	22.2 lbs. (10Kg)
Frequency Range	5 Hz to 4 MHz
Probe Drive	0.1 to 20 Volts
Sample Rate	20,000 Samples/Second
Display Type	10.1 inch Touch Screen
USB Ports	3
Universal AC Power	Yes
Result Views	Large "Pass" / "Fail" Text, Eight Channel Columns, Eight XY Ellipse Alarms
I/O	TCP/IP, RS-232, and Discrete 26 Pin

Criterion NDT, Inc.

Component Testing Solutions

3702 West Valley Highway North Suite 202 Auburn, WA 98001

+1 253-929-8800

info@criterionndt.com

For more information on the Criterion NDT **ST-11** please give us a call or visit our website.