

# Testtalk *focus*

A LEADING GLOBAL MANUFACTURER OF ELECTRONIC INSTRUMENTS AND ELECTROMECHANICAL DEVICES

## More test coverage, less cost

The company has over 11,000 employees working at more than 80 manufacturing facilities and more than 80 sales and service centers in the United States and around the world.

They had several older big iron testers that were costing too much to maintain with repairs and the required maintenance agreements. Without maintenance agreements, repairs were very costly and any software update would include the cost of all previous updates. The CheckSum policy of low cost repair, replacement if necessary, and no cost software updates was a winning combination to them since they understood the true cost of ownership of their other testers.

They were not using any digital testing and had no plans to do so. The complexity and cost for developing digital test vectors did not justify the added cost. They often needed to add custom test instrumentation to test their products functionally. One of their concerns was the ability to add these instruments to a CheckSum tester. The extra rack space, communication

interface, and software extensions for customer-added instrumentation in the CheckSum tester was just what they needed.

They wanted CheckSum to build the test fixtures and write the test programs. In addition to the standard fixture data required to design and build the test fixture, they provided a functional test procedure. Their test engineers worked with the CheckSum functional test engineer one-to-one to resolution any test issues. The functional test results without a bed-of-nails fixture such as a box-test setup are often different from a solution that includes the bed-of-nails due to the interaction of the unit-under-test (UUT) with the test system. The CheckSum engineers have the experience to help their test engineers make any changes to the functional test procedure and still meet their test requirements.

Over the last 8 years, they have purchased several test systems. They recently transferred their test sets from the Chicago area to another plant in Mexico.