



CLASS 10. THE FINAL INSPECTION.

White glove inspection symbolizes Seiko's commitment to clean. When you must have the cleanest of clean, there is only the Seiko TT4000SC. From the very first bolt, this robot was designed and built specifically for Class 10 clean room applications. Look at these features. . . .

CLASS 10

Proven and tested, this robot is certified for Class 10 clean room operation. One superior design element, key to making the unit Class 10 clean, is the use of ferro-fluidic seals on the rotating joints.

LOW PARTICULATE DESIGN

One area of concern in a clean room environment is a robot's particle-generating Z-axis

mounted over the work area. The Seiko TT4000SC was designed with the Z-axis in the "shoulder" of the robot—far away from the work surface. This Z-axis design approach also results in compact end-of-arm design. As a result, you can more easily fit the TT4000SC into cramped work spaces.

PRECISION

The TT4000SC features the precision performance you would expect from Seiko Instruments. For instance, the TT4000SC robot meets our conservative specification for dynamic repeatability* of $\pm .002$ inch. Perhaps more significantly, the TT4000SC exhibits virtually no overshoot, the frequently visible "robot raindance" common to many robots as they approach a point. By solving the overshoot problem, the TT4000SC eliminates the poten-

tial contamination created by juggling, chipping or scraping wafers during the wafer handling process.

SECS II INTERFACE

With the Seiko TT4000SC robot, you'll be able to interface in the semiconductor industry equipment standard, the SECS II interface. The Seiko IQ 180 controller features slots for the optional SECS II standard interface board.

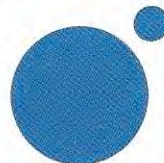
YIELD

Seiko Instruments has a well-deserved reputation for building precision robots that exhibit excellent MTBF rates. You can now get the robot designed and built solely for Class 10 clean room applications.

In one package, Seiko delivers a robot with Class 10 perform-

ance, precision, superior design, dependability and excellent communications—all targeted to one objective, increase your yield. When yield is critical and you need superior Class 10 cleanliness, specify the Seiko TT4000SC robot.

For details, call Seiko Instruments at 213-530-8777. **Ask for the clean room robot specialist.**



SEIKO I

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