

# CRS

## Clean Room Preset Torque Limiting Screwdriver (Internally Adjustable)

### KEY FEATURES

- Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789:2003 ( $\pm 6\%$  of setting).
- Exceeds Class 100 clean room standards.
- Special seals prevent contamination.
- External components are high grade stainless steel to inhibit any form of corrosion.
- Special microfiltered internal lubricant.
- Aluminum handle sealed with PTFE impregnated anodized finish.
- Tamper-proof internal adjustment. No external adjustment scale - must be preset using a torque analyzer.

### FEATURES IFR

The design action of the standard CRS cammed screwdriver is such that when the tool reaches its preset torque value the mechanism disengages from the drive thus limiting the torque applied. Further rotation of the screwdriver handle resets the mechanism ready for the next torquing operation. The IFR models eliminate any small reaction during resetting.

- All IFR models are "impact-free" when the cam resets.
- Screwdriver is torque limiting in the CW direction only.
- CCW operation available upon request.

### CLEAN ROOM STANDARDS

According to the United States specification FED-STD-209D, classes of cleanliness are defined by the number of particles per cubic foot.

Particle sizes shown in the following table.

### MEASURED PARTICLE SIZE (Microns)

Class	0.1	0.2	0.3	0.5	5.0
1	35	7.5	3	1	-
10	350	75	30	10	-
100	-	750	300	100	-
1,000	-	-	-	1,000	7
10,000	-	-	-	10,000	70
100,000	-	-	-	100,000	700

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