

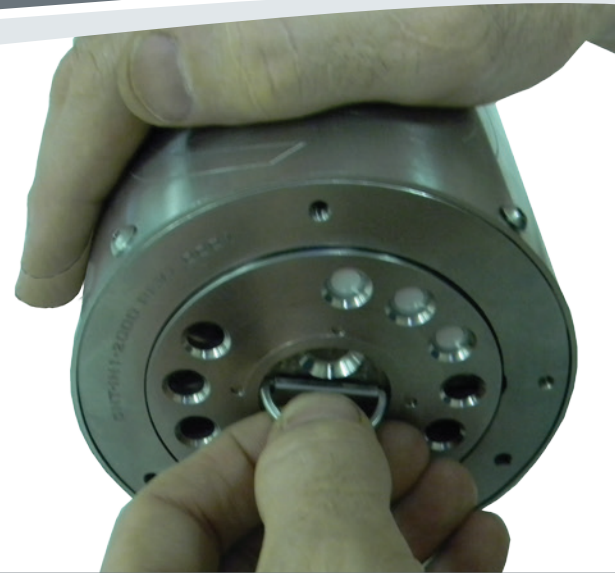
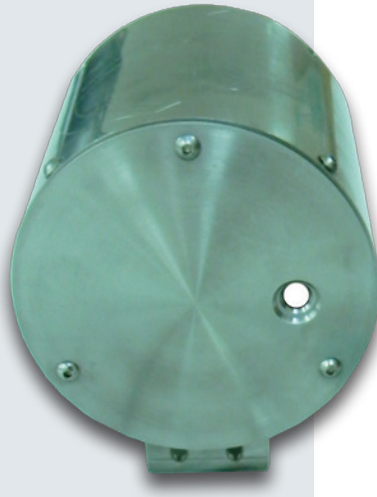
Maximum Uptime & Peak Performance

Infinity™ is Colnatec's multiple crystal sensor head, designed for high vacuum thin film deposition and available in two formats. Infinity™ is capable of holding twelve, 14 mm industry-standard crystals.

By utilizing an in-vacuum stepper motor system for crystal indexing, Infinity™ takes a step beyond conventional and often unreliable pneumatic technology.

One-quarter inch water cooling tubes keep the sensor head thermally stable, maintaining the head and stepper motor within an optimum operating temperature range, yet still allowing flexibility in sensor placement.

Infinity™ is best used with Colnatec's exclusively patented RC-cut crystals, allowing for operation up to 200°C, which is shown to improve crystal life. When combined with Eon-LT™ controller, Infinity™ becomes optimized for maximum uptime, dependability, accuracy, and performance.



INFINITY™ MULTICRYSTAL SENSOR

ROTARY CRYSTAL SENSOR FOR MAXIMIZED PROCESS UPTIME

Features:

- Maximizes process uptime (up to 100 hours)
- Crystal rotation uses robust, automatic switching
- Front-loading, quick release carousel with deposition shield for reliable protection from deposition and fast replacement of all 12 crystals
- Additional carousels available for instantaneous, cartridge style crystal replacement
- Custom mounting available

Specifications:

(Subject to Change)

- Materials: 304 SS body, 18-8 55 and 316SS fasteners, gold plated brass contacts, HV rated coax cable, Kapton™ insulated wire, PTFE insulators
- Size: 119.4 mm Dia. (4.7") x 141 mm (5.55")
- Connections: One (1) Microdot for crystal, one (1) 9-pin motor drive connector for rotation, two (2) ¼ female VCR fittings for cooling
- Maximum Operating Temperature: Water cooled, AT-cut crystals: 90° C & RC-cut crystals: 200° C
- Electrical Connection Length: 760 mm (30") custom sizes optional
- Water Connection Length: application specific
- Mounting & Feedthrough: Assembly comes complete on a 44.45 mm (1.75") x 76.3 mm (3.00") bracket (Custom hole patterns available) and is supplied with a 2.75 ConFlat™ flange, custom options available
- Utilities: Water flow 200 cc / min @ 50 psi and 20° C
- Crystals: 12x 14 mm Standard or Premium AT-cut or patented RC-cut replacement crystals