

# Maxtek Crystals

## Sensor Crystals



### 100% TESTED FOR ACCURACY AND RELIABILITY

Maxtek Quartz Sensor Crystals cover a wide array of measurement applications ranging from thin film deposition in vacuum and metal plating in liquid where measurement accuracy is critical.

With over 30 years in crystal research, development and production, INFICON has developed Sensor Crystal production and testing techniques that deliver crystals with unsurpassed accuracy and reliability. In fact, INFICON produces and tests 100% of our sensor crystals in a cleanroom environment to assure specifications critical to maximizing your process yields and minimizing downtime.

#### FEATURES AT A GLANCE

- Accurate
- Reliable
- Stable
- Wide variety available



*Maxtek crystals are manufactured and tested to maximize your process yields.*

## ORDERING INFORMATION

**Standard 0.550" Diameter Vacuum Crystals (Compatible with Maxtek, INFICON, Phelps, etc.)  
AT-Cut, Optimized for 70°C**

| Part No. | Freq. | Polished | Front Electrode |                      | Rear Electrode |                      | Configuration |        | Packaging      |
|----------|-------|----------|-----------------|----------------------|----------------|----------------------|---------------|--------|----------------|
|          |       |          | Adhesion Layer  | Material Outer Layer | Adhesion Layer | Material Outer Layer | Front         | Rear   |                |
| 103200-2 | 6 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Box of 5       |
| 103202   | 6 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Box of 5       |
| 103204   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Box of 5       |
| 103205   | 5 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Box of 5       |
| 103220   | 6 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |
| 103221   | 6 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Carousel of 10 |
| 103222   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |
| 103223   | 5 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Carousel of 10 |
| 103239   | 5 MHz | No       | -               | Aluminum             | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |
| 103240   | 6 MHz | No       | -               | Aluminum             | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |

**Standard 0.550" Diameter Vacuum Crystals (Compatible with Balzers)  
AT-Cut, Optimized for 70°C**

| Part No. | Freq. | Polished | Front Electrode |                      | Rear Electrode |                      | Configuration |        | Packaging      |
|----------|-------|----------|-----------------|----------------------|----------------|----------------------|---------------|--------|----------------|
|          |       |          | Adhesion Layer  | Material Outer Layer | Adhesion Layer | Material Outer Layer | Front         | Rear   |                |
| 103206   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Box of 5       |
| 103207   | 5 MHz | No       | Aluminum Oxide  | Silver               | Aluminum Oxide | Silver               | Plano         | Convex | Box of 5       |
| 103224   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |
| 103225   | 5 MHz | No       | Aluminum Oxide  | Silver               | Aluminum Oxide | Silver               | Plano         | Convex | Carousel of 10 |

**Standard 0.490" Diameter Vacuum Crystals (Compatible with Ulvac and Sloan)  
AT-Cut, Optimized for 70°C**

| Part No. | Freq. | Polished | Front Electrode |                      | Rear Electrode |                      | Configuration |        | Packaging      |
|----------|-------|----------|-----------------|----------------------|----------------|----------------------|---------------|--------|----------------|
|          |       |          | Adhesion Layer  | Material Outer Layer | Adhesion Layer | Material Outer Layer | Front         | Rear   |                |
| 186203   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Box of 5       |
| 186202   | 5 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Box of 5       |
| 186201   | 5 MHz | No       | Chrome          | Gold                 | Chrome         | Gold                 | Plano         | Convex | Carousel of 10 |
| 186200   | 5 MHz | No       | Chrome          | Silver               | Chrome         | Silver               | Plano         | Convex | Carousel of 10 |



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