

INFICON EDC, Inc.

Overland Park, Kansas, USA

HISTORY

Electro Dynamics Crystal Inc. (EDC) was started in 1963 to produce high volumes of quartz crystals for a variety of applications for the consumer electronics and automotive industries. In 1992, in response to market demand, EDC began offering crystals for thin film deposition monitoring. As a result of this new offering EDC became a vendor to INFICON, Inc. The partnership between EDC and INFICON continued to strengthen over the years and culminated in INFICON, Inc. acquiring EDC in 2006. The newly acquired company was incorporated as INFICON EDC, Inc.



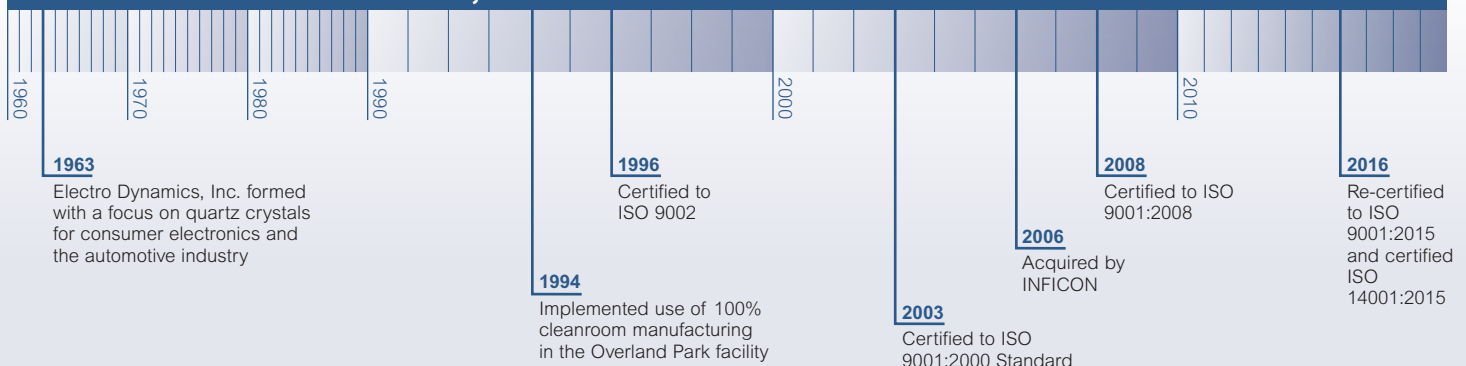
Prior to acquisition by INFICON, EDC maintained high standards for quality. This focus on quality compliments, and is in compliance with, the INFICON quality commitment.

Some of the major milestones demonstrating INFICON EDC's quality commitment are:

- 1994: 100% clean room manufacturing process
- 1996: Certification to ISO 9002
- 2003: Certification to ISO 9001:2000
- 2008: Certification to ISO 9001:2008
- 2015: Recertification to ISO 9001:2015
- 2015 Certification to ISO 14001

INFICON EDC continues to provide quality products to customers worldwide. The vertical integration of crystal manufacturing into the INFICON controller, monitor, sensor, and crystal products allows deposition process optimization, enabling our customers to produce superior quality products. On-site manufacturing at INFICON EDC provides additional value with fast delivery, quick responding stock levels, and the ability to implement new crystal variations.

HISTORY OF INFICON EDC, INC.





- Curvature: assures resonance stability
- Frequency: verified both before and after application of electrodes to ensure accurate thickness measurement
- Visual conformity: inspected for electrode uniformity, surface flaws, and other imperfections which might indicate poor adhesion or contamination

In addition to 100% crystal testing, all crystals are subject to an outgoing audit by the quality assurance department to guarantee that only highly reliable quartz crystals are shipped.

EFFICIENCY

Our INFICON EDC manufacturing facility is able to produce a multitude of crystal variations in high capacity which results in an extremely high yield. This leads to effective and efficient crystal production.

Automation is a cornerstone to increasing yield and production. INFICON EDC currently uses automation in crystal processing and is continually upgrading and improving manufacturing equipment to surpass the capacity and yield of previous generations.

INFICON EDC offers vacuum deposition and research crystals in different crystal diameters, frequencies, electrode patterns, electrode coatings, and packaging options to meet the unique needs of each customer. In addition, INFICON EDC also manufactures specialty crystals that are application-specific, such as crystals customized for ALD depositions. For more information on all the variations of crystals and their purposes, refer to the application note, Guide to INFICON Quartz Monitor Crystals, available on the website at: <https://goo.gl/UEHuXY>

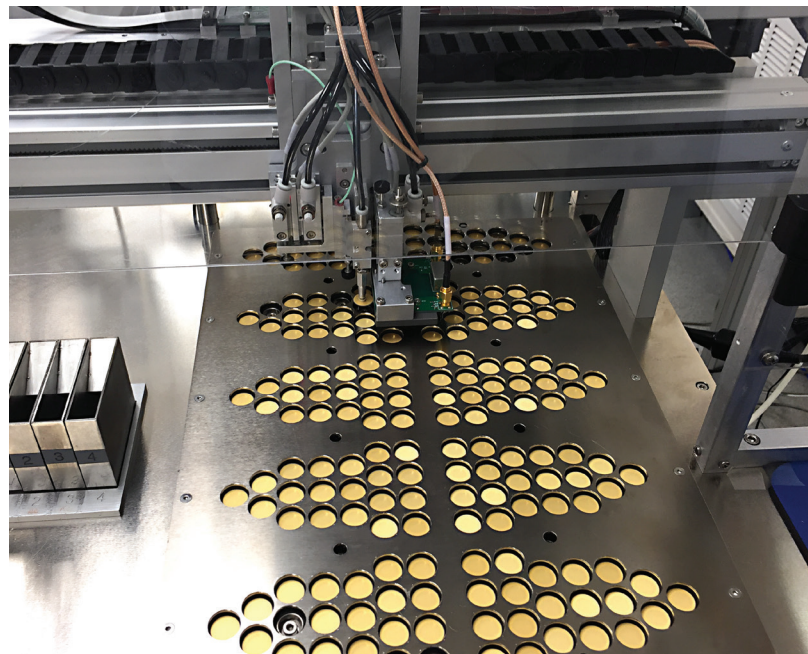
QUALITY

INFICON EDC manufactures each crystal to the highest standards of quality assurance beginning with the raw quartz and continuing through to the final packaged products ready for shipment. This includes cleanroom manufacturing and testing of each crystal. 100% of the crystals produced undergo a thorough examination to ensure the highest quality and reliability under the following criteria:

- Resistance: checked to assure measurement stability and longer coating life

VALUE

An efficient production process coupled with intensive quality assurance measures allow INFICON EDC to provide superior performance and value. This enables our customers and end users to achieve high quality products through increased thickness accuracy and increased throughput. With flexible delivery schedules and on-site product inventory, INFICON EDC works with customers to optimize their inventory. INFICON EDC is a part of the global INFICON network, which offers worldwide applications support and rapid troubleshooting of process variances to maximize process performance and identify customized solutions. The accomplishments and proven history of INFICON EDC and INFICON, mean customers can rely on a steady and stable supply of this critical consumable.



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