



BIOGRAPHY: David M. Dozor

David M. (Dave) Dozor is the founder of Vision Optronix, a small business specializing in Embedded Vision and Motion solutions. Clients are in the Industrial and Advanced Manufacturing; Robotics/UAS; Measurement & Monitoring; Scientific Instruments; Aerospace, Security, & Surveillance; and Energy spaces.

Dave began his career designing and developing advanced technologies such as; high-speed, precision automated equipment for semiconductor fabrication; space-borne observation and remote sensing; cryogenic instruments; magnetic bearings, novel actuators, and mechanisms; laser radars; and other high-performance mechatronic and photonic systems. He holds two patents in electro-mechanics and optics, has experience building and managing corporate patent portfolios, and has led the development of technology roadmaps, various advanced technology product launches, and business expansions.



Dave grew up in the plants and on construction sites in the Philadelphia, PA area. In his earlier years, he worked in chemical manufacturing (Rohm & Haas), driveline and power transmission design and manufacturing (New England Automotive Products Company), mechanical bearing manufacturing (Garlock Bearings), and as an assistant to the Program Manager for Mechanical Construction projects for our nation's largest Chemical and Oil and Gas companies (Riggs-Distler). After returning to obtain a Masters in Mechanical Engineering, Dave worked in design and manufacture of high-speed, wirebonders for semiconductor assembly – highly automated systems integrating precision motion, actuation, sensing (incl. vision), software, and other technologies.

At SSG Precision Optronics, Dave rose rapidly from a Systems Engineer to a technical General Manager, eventually leading the advanced commercial products business unit on two major systems: i) a charged particle semiconductor lithography tool with ASML, Applied Materials, and Lucent Bell Labs and ii) the multi-axis beam steering systems for MetricVision, which he brought from late prototype stage through initial low-rate production. He was the technical and managerial lead setting the technology roadmap and building and supporting staff to achieve it.

As the COO of MetricVision, an emerging Coordinate Metrology Laser Radar company, Dave served as a technical leader while managing day-to-day operations after integrating the acquisition, shortly thereafter leading to a successful worldwide product launch. MetricVision was recapitalized and eventually acquired.

As the CEO of Infrared Laboratories, Inc., Dave led a turn-around, achieving >30% annual growth in the final three years after repositioning legacy products and developing new advanced vision- and motion-based products, such as infrared emission microscopes, using proprietary imaging and motion systems and software.

Dave was also responsible for helping to restore confidence and recover three major optical systems programs and selling and leading a few others as an interim-GM at Ruda Cardinal after the passing of their founder, Mitchel Ruda. Two programs led to highly successful, commercial systems for large multi-national customers; Flat Panel Display manufacture and Head Up Displays for commercial aviation.

Dave holds a current secret clearance for his advisory work in National Security Policy. He holds an MBA from MIT-Sloan and MS and BS degrees in Mechanical Engineering from Drexel University with a focus on Dynamic Systems & Control and Aerospace Engineering.