

SCD - SEMI-CONDUCTOR DEVICES

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Year established: 1976
Contact person: Dr. Salomon Risemberg, Manager of Business Development

Type: Industry
Ownership: Private
Parent Organization: Partnership: ELBIT Systems and RAFAEL.

Core Business:

Infrared Detectors and Laser Diodes.

Total number of employees: 300
Scientists and engineers: 120
Annual turnover (Thousands US \$): 68,000 (2003)

Overview:

SCD Semi-Conductor Devices specializes in development, design and manufacture of a full range of Infrared Detectors, High Power Laser diodes and Dewar applications.

Corporate philosophy is to combine the Company's extensive facilities and large R&D force in order to achieve flexible response to customer needs. These facilities handle production of any quantity, from small orders to large runs.

SCD's interdisciplinary capabilities allow control over every production step thus enabling the Company to ensure a superior final product. Among the Company's many areas of technological know-how are:

- Microelectronics processing capabilities encompassing crystal growth (LPE, MOCVD, MBE), dry etching, photolithography, wafer processing and assembly. Extensive testing facilities for IR detectors and Laser Diodes
- VLSI design, integrating analog and digital focal plane processing
- Dewar design and fabrication for integration with closed cycle Stirling and Joule-Thomson microcoolers