



THE HIGH-TECH ELECTRONICS INDUSTRY IS MOVING.
IT'S HEADED HERE.



EL PASO • CD. JUÁREZ • SOUTHERN NEW MEXICO

WHERE BUSINESS IS HEADED

Where Business Is Headed

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THE PAST, PRESENT AND FUTURE OF ELECTRONICS MANUFACTURING

The El Paso/Juárez region is one of the 10 largest manufacturing centers in North America, with approximately 200,000 manufacturing workers in more than 400 facilities. Electronics manufacturing has been a core strength in our region for more than 40 years, and El Paso/Juárez is home to approximately 80 electronics-manufacturing facilities and more than 54,000 workers in this sector alone. Virtually every type of electronic device is designed, manufactured or assembled in our region, including ...

- Laptops
- HDTVs
- Satellite receivers
- Medical devices
- Smartphones
- Game controllers
- Controls for appliances
- Automotive components
- Computer servers
- Electronic tablets
- Sensors
- Audio equipment

WHERE OUTSOURCING IS HEADED

As the electronics-manufacturing industry increasingly turns to third-party outsourcing, the El Paso/Juárez region is well-positioned to leverage this strategy. Our region is home to numerous electronic contract manufacturing companies, including:



Given our strategic location at the midpoint of the U.S.-México border, these and other electronic-products manufacturers capitalize on the best attributes of doing business in both the U.S. and México, providing globally competitive cost advantages over other regions of the world.

DEEP IN THE HEART OF NAFTA

More than 18 percent of all U.S.-México trade is shipped through the El Paso/Juárez borderplex, most

of which is related to a wide range of manufactured products. In 2010, an estimated \$71.1 billion of trade moved between El Paso and Juárez, at least \$16.2 billion of which was related to electronics manufacturing. The volume of electronics trade in our binational region has increased by 41 percent since 2005.

We leverage our geographic location with the necessary road, air and rail infrastructure to move your products efficiently and cost-effectively to all major North American markets. Approximately 110 million of the North American population can be reached within one day by truck.



800 Mile Radius

YOU CHOOSE HOW VERTICAL YOU WANT TO BE

Nearly five decades of manufacturing growth has established a robust supply chain in the El Paso/Juárez region. The regional network includes a wide range of electronics, plastics, metals, metal finishing, packaging and other manufacturing-support services. If you can't find the particular support service you require, REDCo will work with you to recruit that capability to the region.

UNIVERSITY TALENT AND RESEARCH

Two universities in our region, The University of Texas at El Paso (UTEP) and New Mexico State University (NMSU), graduate more than 770 engineers and computer scientists per year. While graduation rates in these disciplines

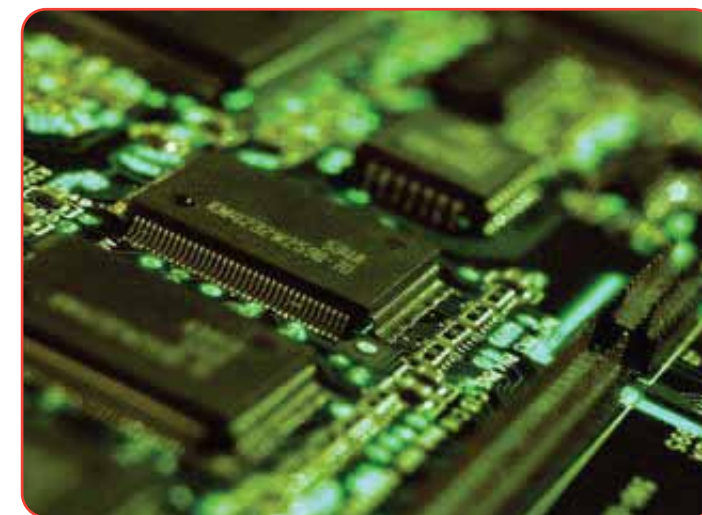
are declining across the United States, both UTEP and NMSU are experiencing growth.

In 2010, 38 percent of these individuals obtained degrees in electrical engineering, computer engineering or computer science. The UTEP College of Engineering also possesses core research competencies in a variety of disciplines that may provide support to companies in the high-tech electronics industry. These core competencies include ...

- High-assurance computing
- Safety-critical systems
- Distributed computing
- Computer architectures
- Computer security
- Evaluation of real-time, high-performance and parallel computing systems
- Human-computer interaction
- Runtime support for robust, self-organizing systems

KECK CENTER FOR 3D INNOVATION

UTEP's College of Engineering is home to the W.M. Keck Center for 3D Innovation – the largest university-based rapid-prototyping lab in the U.S. This facility houses several specialized laboratories to assist manufacturers,



researchers and others who require rapid design and fabrication, with specific emphasis on layered manufacturing. The Keck Center has developed unique capabilities specifically for the next generation of high-tech electronics packaging, such as ...

- "Direct write" or "direct print" technologies, which dispense conductive inks/epoxies to provide electrical interconnectivity
- Integration of "layered manufacturing" with "direct write," which can make it possible to manufacture a variety of custom devices with 3-D electronics, extending Moore's Law from 2-D to 3-D

These technologies are delivering breakthroughs in miniaturization, utilization of multiple materials in the same product, and enhancing the ruggedness of electronic products.

PRODUCTION SHARING

Our region combines the best attributes of U.S. and Mexican production capabilities to deliver high-quality products at globally competitive prices. Production sharing allows companies to build a vertically integrated manufacturing presence in the region by placing capital-intensive component manufacturing in El Paso and assembly in Juárez.



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