



CYPRESS
INDUSTRIES

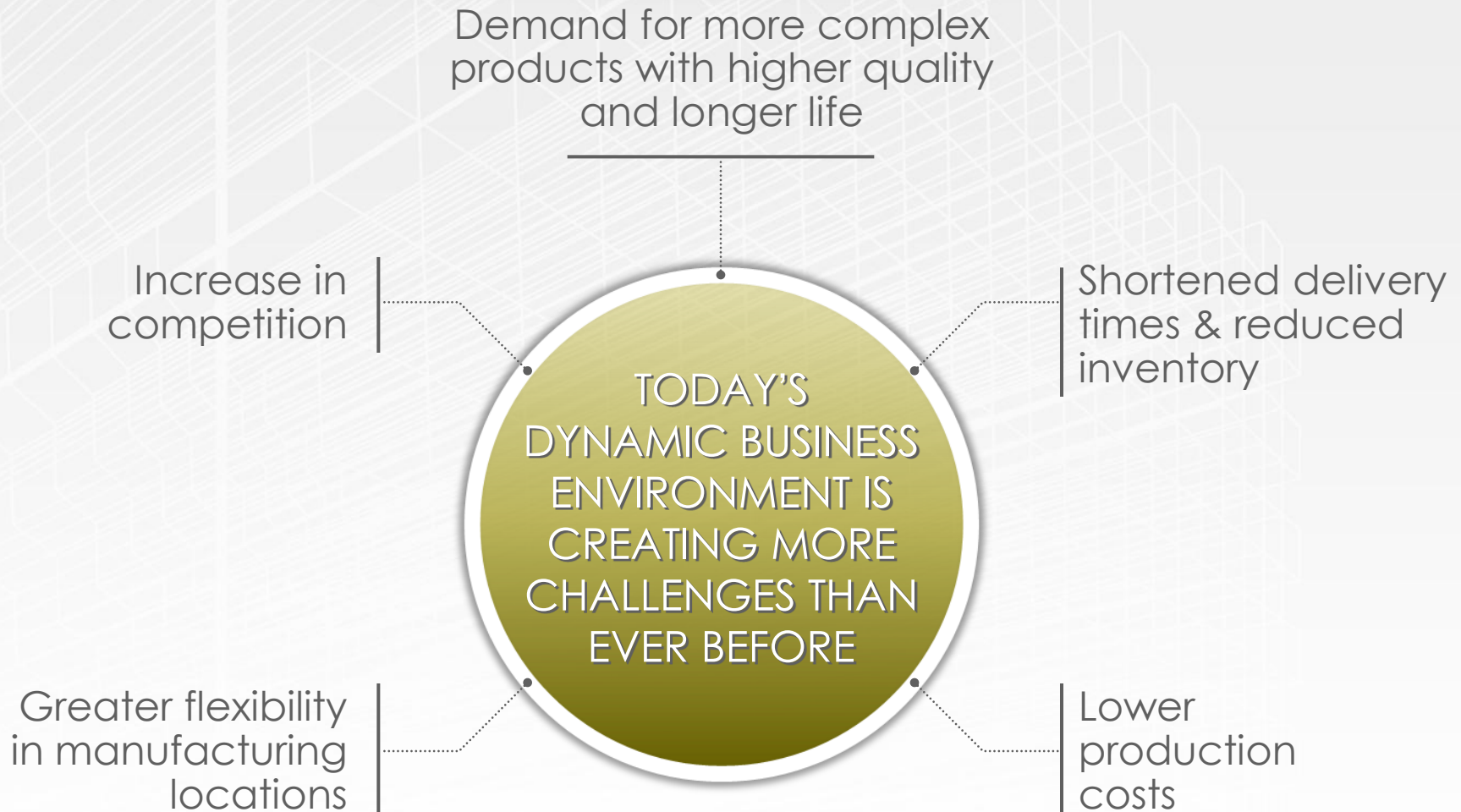
ADVANCED MANUFACTURING
AND DESIGN SERVICES



Manufacturing Services Presentation
January 11, 2018



INDUSTRY CHALLENGES





ALIGNING WITH THE RIGHT BUSINESS PARTNER

Companies are looking for new products and solutions that will drive their business

Must rely on partners to provide the highest quality products and services at unprecedented levels of efficiency

Better partners meet the demands through:

- Competitive pricing
- Flexible customization capabilities
- Responsiveness and easy distribution
- Assurance that Quality Levels are met
- Reduction of vendors to reduce the load on their supply chain managers





CYPRESS INDUSTRIES

- US-based electronics, metals and plastics manufacturing and services company with decades of experience
- Offer a full range of value-added services including: design for manufacturability, prototyping, manufacturing, & testing
- Support a diversified customer base including OEMs, industrial equipment, telecom companies, gaming, defense contractors, and oil & gas





ONE SOURCE MANUFACTURING SOLUTION: CYPRESS INDUSTRIES



- ❖ Cypress Industries offers a unique, innovative manufacturing business with exceptional customer service
- ❖ Aim is to deliver the best products, service and value in the industry
- ❖ Provide a broad product offering in multiple countries offering best in class pricing and quality

Cypress Industries Goal is to be the preeminent value engineering manufacturer for PCBA's, sheet metal, cables, plastic and electronic assemblies with an intense focus on customer and employee satisfaction.

SUPERIOR CAPABILITIES & HIGH QUALITY FACILITIES



Austin, Texas - 30,000 sqft facility

- PCBA's & Electronic Assembly
- Cables , Harnesses & Machining



Matamoros, Mexico 100,000 sqft

- Sheet Metal, PCBA's, Wire Harnesses & Cables,
- Electronic Assembly



Ahmedabad, India 20,000 sqft facility

- Custom Cables
- Wire Harnesses

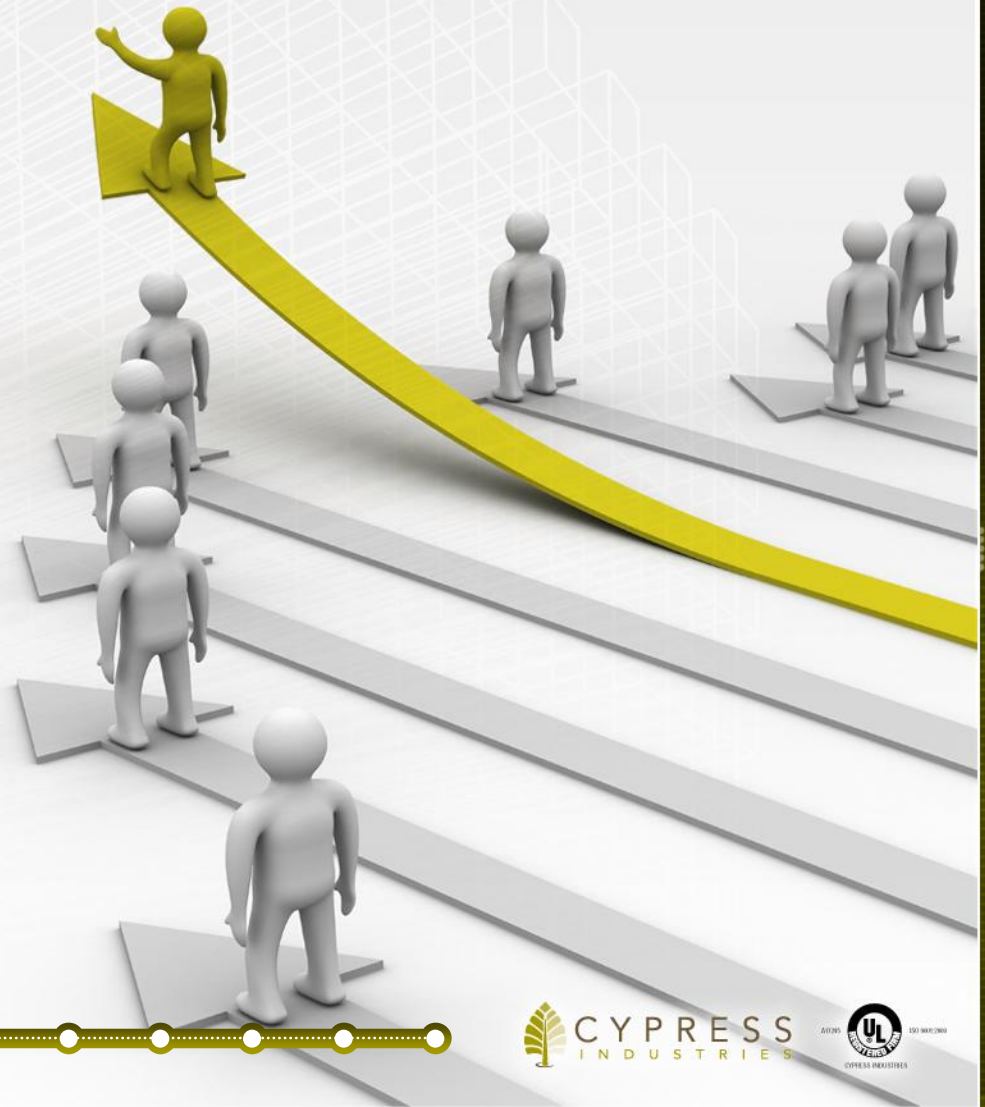


Dongguan, China 75,000 sqft facility

- Plastics Injection Molding & Tooling

HOW WE REACH YOUR GOALS

- ❖ **LISTEN** to customers and provide best customer experience in all markets served
- ❖ **SOLVE** manufacturing problems with superior value engineering capabilities, efficient & technically capable facilities, and quality products
- ❖ **HELP** provide design and value engineering assistance, shorten lead times, consolidate the supply-chain and reduce costs



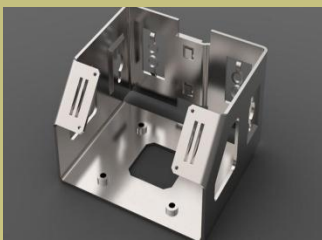


QUALITY PRODUCT & SERVICES

DIVERSE PRODUCT LINE AND QUALITY SERVICES



PCBA's



Sheet Metal



**Custom
Cables & Wire
Harnesses**



**Plastic Molding
& Tooling**

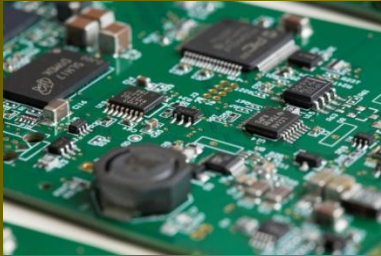


**High Level
Electronics
Assembly**



PCBA's, Circuit Boards

PCBA



- PCB Assembly in the US & Mexico
- New High Speed Mycronic SMT Line – USA
- Fuji Lines - Mexico
- Quick-Turn prototype & high volume capabilities
- SMT Capabilities:
 - Large Boards up to 28",
 - BGA, QFN, Odd Shapes
 - SMT Sizes: 01005 up to 56x56mm
 - Through Hole, Conformal Coating
 - Wave Solder, Test Equipment
- ISO 9001:2015, IPC 610 & 620 Certified, AOI



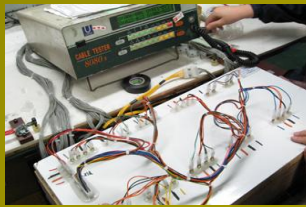
SHEET METAL PRODUCTS



- ❖ Sheet metal parts manufactured in Mexico 60ksqft
- ❖ Offer unique single-source solution for customers requiring products with a combination of manufacturing techniques
- ❖ Metal engineers help design for manufacturability (DFM), improve quality, cycle times and reduce prices
- ❖ MIG & TIG Welding
- ❖ Wash & Powder Coat Line

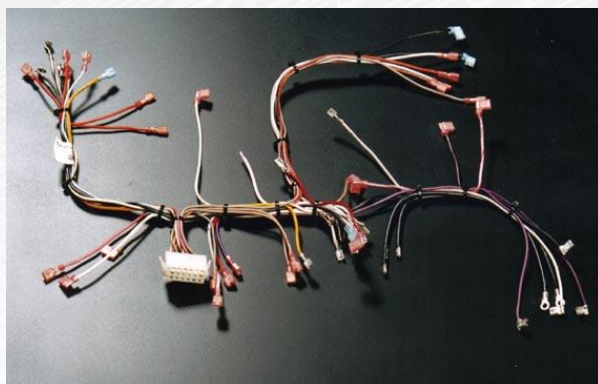
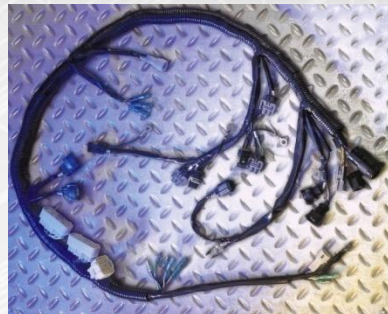
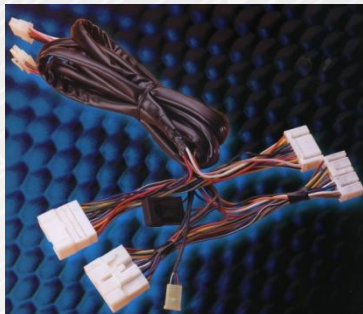
CUSTOM CABLES & WIRE HARNESES

Custom Cables



- ❖ Full line cable assemblies, wire harnesses, controller box builds, wire braiding, overmolding
- ❖ Can be manufactured in US for smaller volume runs, Mexico or in Asia (India or China) for moderate to high volume runs
 - › Benefit from quick-turn manufacturing in US and Mexico
 - › Benefit from low-cost pricing in Asia & Mexico
 - › Expedited manufacturing at extremely competitive prices
 - › Maintain continuity of supply chain between low and high volume runs by using one supplier
- ❖ Products 100% inspected and electronically tested

CUSTOM WIRE HARNESS – CABLE ASSEMBLIES



- Custom Cables
- Wire Harnesses
- Discrete Wire
- RF, Co-Axial, Microwave
- Coil Cords, Din/Mini-Din

- Over-molded Cables
- Military Cables
- SATA, HDMI, DVI, USB
- D-Sub(9, 15, 25 etc)
- Braided Cables

- Computer Cables
- Custom Power Cables
- Ribbon cables
- RJ45 (CAT5E & 6), RJXX
- Custom Molds & Assemblies

PLASTIC INJECTION MOLDING & TOOLING

PLASTIC INJECTION MOLDING



- ❖ Design, Tool, manufacture and assemble plastic injection molded products to customer specifications
 - › Produce new molds and tooling from CAD files, or reverse engineer plastic injection molding parts
- ❖ Manufacture and maintain Plastic Injection Molded Tooling in US and China
 - › China Facility:
23 molding machines up to 1500T
 - › US Facility:
16 molding machines up to 1,000T in Maxwell, TX, machine shop
- ❖ Specialize in plastic injection molding to produce a wide variety of products from tight tolerance high-tech parts to disposable lower tolerance products and secondary operations (painting, EMI coatings etc)

PLASTIC INJECTION MOLDING AND TOOLING



17"φ x 13"



Electromechanical Assembly - Turnkey

High Level Assembly



- ❖ Electromechanical Assembly of box builds (Large & Small), handheld units, turnkey assembly
- ❖ Offer unique single-source solution for customers requiring products with a combination of manufacturing techniques
- ❖ Box builds/ electro-mechanical assembly (BBA), printed circuit board assembly (PCBA)
- ❖ Can be manufactured in US for smaller volume runs, or in Asia & Mexico for moderate to high volume runs
 - Benefit from quick-turn manufacturing in US & Mexico
 - Benefit from low-cost pricing in Asia
 - Expedited manufacturing at extremely competitive prices
 - Maintain continuity of supply chain between low and high volume runs by using one supplier

Cypress Industries Quality & Certifications



ISO 9001:2015



IPC 610 & 620



Wiring Harness for Canada
ZPFW8.E305599



Processed Wire – Component
ZKLU2.E316302



Wiring Harness Component
ZKLU2.E316302



Processed Wire for Canada
ZKLU8.E316302



WHIMA
Wiring Harness Manufacturer's Association

CHOOSING CYPRESS INDUSTRIES AS MANUFACTURING PARTNER

REDUCE overall costs and vendors in the supply chain because of broad product line and vast experience

PROVIDE expert value engineering and DFM

OFFER better service, response times and flexibility

CREATE quality product and services at US and China manufacturing sites

LISTEN to our customers and understand their needs

