



RDI Designs and Builds Products for a Dynamic and Connected World

Product Development and Manufacturing

Contract Manufacturing

Standard and Custom Components

RDI Corporate Overview

- RDI has over 38 years of Design, Development and Manufacturing expertise. This enables RDI to provide complete turn-key solutions as well as off the shelf and custom electromechanical components to our customers.
- RDI is headquartered in Mount Kisco, NY with wholly owned manufacturing facilities located in Shenzhen, China.



Mount Kisco, NY



Shenzhen, China

RDI Corporate Overview

- RDI is an ISO 9001:2015 and 13485:2016 certified manufacturer with all corporate activities, including sales and marketing, electrical, software and mechanical engineering and quality assurance coordinated through its New York headquarters.
- RDI has over 150 employees worldwide along with a 50,000 square foot design and manufacturing facility in Shenzhen, China.
- RDI Technologies in Shenzhen China is an ISO 9001:2015 certified multi-technology facility with broad and deep experience manufacturing almost any type of electronic product.



What We Do



Creative Solutions

NPI
ME / ID
Architectures
Systems



Development Services

Tooling
Hardware
Firmware, BSP
Software
Thermals
Systems Integration



Components

Piezo Audio
Audio Alerts
Speakers
Microphones
Jacks, plugs
Interface
Connectors



Logistics

Materials
Logistics
Project Management
Cost Reductions
Quality Control



Manufacturing

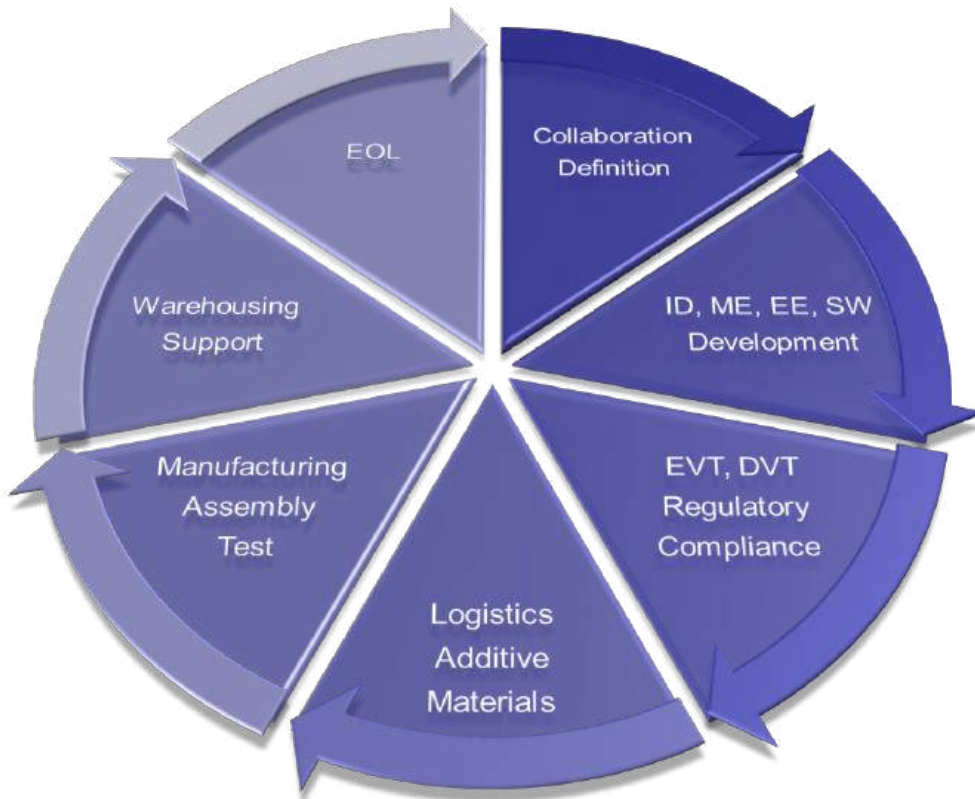
High Speed SMT
Through-Hole
Injection Molding
Cable Assemblies
Production Test
Assembly
Package



Warehousing

New York, USA

Complete Product Lifecycle Development and Manufacturing Services



- Collaborative Product Definition
- Industrial, Mechanical Design
- Electronics Development
- Software, Firmware Development
- EVT, DVT, Regulatory, Compliance
- Electromechanical Components
- Custom Components
- Manufacturing and Assembly
- Materials Management
- Continuing Cost Reductions
- Warehousing and Support

Market Spotlight



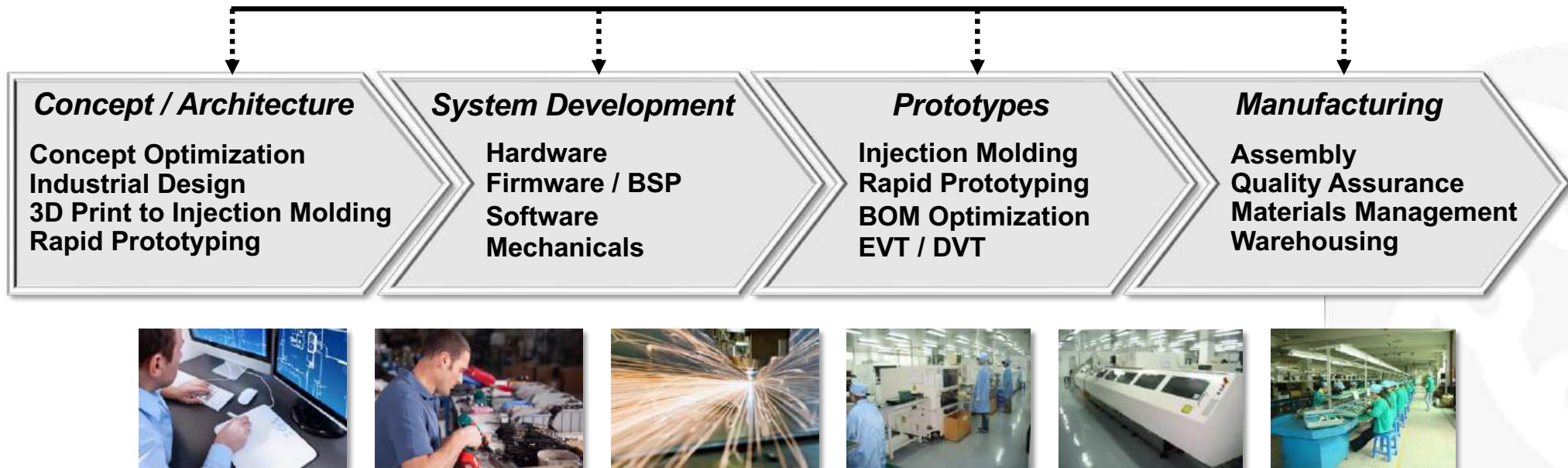
Extensive Cross-Industry Knowledge Delivering Formidable Customer Solutions



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Flexible Engagement Model

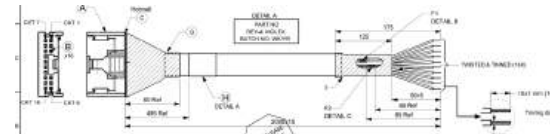
Product



***Full Turnkey Development and Manufacturing
Engage at any Stage of the Product Life Cycle
Concept, Development, Manufacturing***

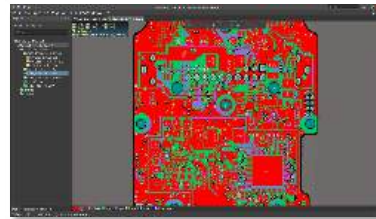
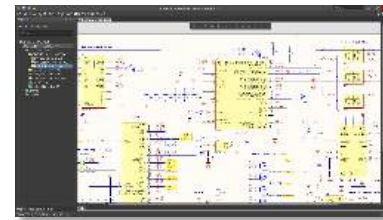
Product Development Creative Services

- Mechanical Design and Optimization
 - Ground-up design
 - Design optimization
 - 3D Printing to Injection Molding optimization
- Product Architecture and NPI
 - EE and SW architecture definition
 - NPI definition and planning
 - Electromechanical components
- Systems Design
 - ME, EE, SW, UX/UI
 - Cables, cabling, interface



Product Development Engineering Services

- Mechanical Tooling
- Hardware Development
- Firmware, BSP Development
- UX, UI, Software Development
- Thermal, Signal and DfX Optimization
- Systems Integration
- RF, High Speed Interface Engineering



Standard and Custom Components

- RDI develops and produces a broad line of standard electromechanical components including:

- Switches
- Speakers
- Audio Alerts
- Piezo Sound
- Connectors
- Cable Assemblies
- Microphones
- Headsets
- Jacks and Plugs



Audio Alerts



Piezo Audio



Headsets



Connectors
Receptacles



Speakers



Switches



Cable Assemblies



Microphones



Jacks / Plugs

Off the Shelf or Rapid Customization

Standard and Custom Components

- Customization of components for specific applications is a key RDI differentiator versus many suppliers.
- Given the unique requirements of many markets such as IoT, Medical, Consumer, Automotive and Industrial products, RDI can rapidly assist in modifying or creating a component to meet form factor, certifications and other aspects of these markets.
- From speakers, microphones, piezo and discrete components to connectors and cable assemblies, RDI is here to meet any demanding need and get your product to market on time and at the right cost.

Rapid Prototyping

- Prototype assembly and sampling play a pivotal role in the RDI design and development process.
- Design for Test, manufacturing and procurement are all part of the design validation process.
- RDI offers a full range of testing options including x-ray, automated optical inspection and ICT equipment.
- RDI's blend of technological expertise and hands-on experience during development and manufacturing, coupled with an eye on cost reduction and continual quality improvement results in an optimized product.

Materials Management

- RDI understands the challenges of a competitive marketplace and is always available to assist our customers to meet these challenges.
- All RDI component suppliers undergo thorough periodic audits to ensure the highest standards are met and maintained, thereby confirming consistent quality.
- RDI has a highly experienced materials management team that strives to assist our customers in the development of new technologies utilizing environmentally friendly processes while directing their capabilities towards optimum cost reduction.



Production and Box Build

- RDI facilities in New York and China offer a unique combination of low to high volume manufacturing, with state-of-the-art equipment bringing together molded parts, assembled PCBs and electromechanical parts enabling total assembly and quality assurance.
- Regularly scheduled design and project reviews ensure schedules are maintained, enabling RDI to take any size project from design to PPAP to production with a minimum of expense and time.
- Experienced in electromechanical box builds to complex systems integration.
- US-based warehousing and distribution located in New York.

Production and Box Build

Manufacturing



Electronic
Electromechanical



Plastics
Extrusions



Cable
Assemblies

QA Program Test



Program
Test

Assembly



Assembly
Final Test



Paint
Subassemblies

Complete Product



Package Design



RDI Product Examples – Electronics, Molding, Finished Goods



Eldercare, Infant, In-Home Security



Wireless Home Security
Remote monitoring



Wireless Home Security
With Visible LED Lighting



Wireless Home Security
With IR LED Lighting



Wireless Home Security
DVR



Displays with
2-Way Audio Communication

Quality Management

- RDI is continually creating new methods to improve efficiencies in its manufacturing processes and increase customer satisfaction, while leaving a minimal impact on the environment.
- RDI creates a custom testing program for each product based on collaborative inputs with its customers, ensuring product quality and reliability from start to finish.
- RDI's skilled workforce brings their unique abilities to each project, ensuring greater efficiency and overall quality and cost.
- Offering a complete range of services, from product design through complete product builds and packaging enables smooth integration into customer distribution channels.

Certifications and Quality Management

- RDI is an ISO 9001:2015 and 13485:2016 certified manufacturer with all corporate activities, including sales and marketing, electrical and mechanical engineering and quality assurance coordinated through RDI's New York headquarters.
- RDI Technologies in Shenzhen China is an ISO 9001:2015 certified multi-technology facility with broad and deep experience with manufacturing of almost any type of product.
- Highly defined processes and quality assurance ensure customer satisfaction at every stage.



ISO – 9001 : 2015
ISO – 13485 : 2016

Intertek





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