

## Shanghai, China Facility



- **State-of-the-art manufacturing and design facility**
- **High quality near-source solution for Asian market**
- **Intellectual property protection and excellent infrastructure conforming to U.S. standards**
- **Technology and competence that continue to grow with customers' requirements**
- **Flexibility for support of New Product Introduction (NPI) programs**
- **Manufacturing and test capabilities extending to 40 GHz**
- **Excellent bilingual customer service from design to demand fulfillment**
- **Low cost manufacturing alternative for products that are labor intensive**

In 2003 The Phoenix Company of Chicago established Shanghai Phoenix Communication and Technology Co., Ltd, located in Shanghai, China, to meet the needs of rapidly growing multinational customers. This 31,000 square foot facility provides its customers a stable and trained workforce with specialized skills in connectors and cable assemblies serving telecommunication, medical, instrumentation, and other commercial markets.

Adhering to a strict commitment for continuous improvement and a dedication to its customers demonstrated for over 40 years by its parent company, The Phoenix Company of Chicago, Shanghai Phoenix is determined to offer superior products; consistent in quality and competitive pricing.

Shanghai Phoenix's reliable services and product capabilities have earned the following quality accreditations:

- **ISO 14001:2004**
- **ISO 13485:2003**
- **ISO 9001:2000**
- **IPC J-STD-001**
- **IPC/WHMA-A-620**
- **UL Recognized Products**

Partnering with its customers in the design, engineering, manufacturing, and support processes, Shanghai Phoenix provides expertise and efficiency in the areas of:

- **RF/Microwave Cable Assemblies**
- **Delay Lines**
- **Molded Cable Assemblies**
- **Connectors and Contacts**
- **Filtered Products**



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## RF/Microwave Cable Assemblies



To meet today's demanding electrical requirements, programs often require a cable assembly supplier with connector and cable design expertise. For cables requiring exacting return loss or higher frequency performance, our engineers provide connector design solutions to meet these requirements. Shanghai Phoenix utilizes advanced tools such as design simulation, semi-automated processing equipment, and automated test programs to provide its customers with cable solutions to optimize performance and reduce costs.

Specializing in the following cable assembly applications: **High Frequency, Phase Matching, Delay Lines, Standard and High Performance Cables, and Custom Connector and Cable Designs.**

## Delay Lines



Delay line design and manufacturing capabilities are offered utilizing a variety of cable and connector styles. Shanghai Phoenix uses design simulation software to calculate electrical and mechanical performance in delay lines. Our cable and connector design experience allows our engineers to offer solutions optimized to meet stringent electrical and mechanical requirements.

### Typical Semi-Rigid Cables

0.034"  
0.047"  
0.086"  
0.141"  
0.250"

### Common Connectors

SMP, SMPM, MMCX  
PkZ®, SMP, SMPM, MMCX, MCX  
PkZ®, SMP, MCX, SMA  
PkZ®, MCX, SMA  
PkZ®, TNC, N

## Molded Cable Assemblies



Customers rely on Shanghai Phoenix for responsive design support and production efficiency on challenging molded cable assemblies. Microprocessor-based molding equipment allows for fast setup and tight control over each phase of the mold cycle. Cycle time efficiency is maximized through multiple position, rotary based, molding stations. Critical dimensions are ensured through dynamic quality controls.

Our strong design and prototyping skills are supported by an experienced cable assembly department to provide high quality and efficiency over a broad range of molded cable products.

## Connectors & Contacts



Offering a broad range of RF/Microwave connectors and contacts from DC to 40 GHz with variations in size, impedance, termination style, and power rating, Shanghai Phoenix provides its customers innovative, high quality, cost effective products with efficient and responsive service.

Our core product expertise includes: **Blind Mate, Board to Board, Power, Environmental, Non-Magnetic, and Coax Connectors.** These series are available in standard configurations, terminations, and cable groups. In addition, they can be modified to accommodate specific electrical, mechanical, or environmental requirements.

## Filtered Products



Delivering high quality filtered products requires strong design capabilities supported by solid manufacturing and test capabilities. Shanghai Phoenix supports critical programs with quality and value on custom filtered connectors and cables through our extensive design knowledge, quick response on prototype and production, and manufacturing experience.

Filter design strength, manufacturing, and test capabilities cover a broad range of standard and custom filtered products: **Standard and Custom Filtered Products, Combination Connectors, Power Cables, RF Cables, Power Connector, Terminal Blocks, Filter Plate Assemblies, and Custom Products.**

## Electromechanical Assemblies

Shanghai Phoenix provides great value to its customers requiring electromechanical assemblies. Beyond an exceptionally skilled labor force, our experienced management team is available to manage standard and complex outsource programs from concept to production.

Among the services offered are: **Program Coordination and Management, Module, Cage, or Sub-Frame Assembly, Electrical and Mechanical Design Services, Automated Electrical and RF/Microwave Test, Manufacturability Review, Environmental Test, Wiring, Cabling, and Connector Terminations.**



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