



## Wave2Wave Solution Corp. - Manufacturing Capabilities

Wave2Wave provides business essential infrastructure solutions that enable leading enterprises to unlock and realize the benefits of next generation data center technologies.

Our data center product families include environmentally friendly and smart network cabling, modular and cost-efficient data centers, optical wavelength management systems and intelligent network infrastructure management software.

Our products and solutions serve enterprise, government, military and service provider customers and markets in their mission critical data center and IT applications.

With nearly a decade of experience manufacturing network connectivity products, our facilities in the US (15,000 square feet) and China (45,000 square feet) can manufacture just about every type of copper

and fiber optic cable assemblies including specialized and custom connectors assemblies and cabling.

We have the ability to perform short and long runs, simple and complex jobs, and meet even the tightest of schedules without any compromise to quality and product performance.

Wave2Wave is both ISO 9001:2009 and TUV certified. The company is also a certified minority-owned business, recognized by the Northern California Minority Supplier Development Council.

In 2010, we were awarded a Supplier of the Year award from Brocade, a networking powerhouse. Brocade leads the industry in providing comprehensive network solutions that help the world's leading organizations transition smoothly to a virtualized world where applications and information reside anywhere. Other customers that rely on us include Yahoo, Dell and Finisar.



*figure 1: Wave2Wave performed 2,000,000 fiber terminations in 2010*



figure 2: Automated cut/coiling unit



figure 4: Every cable is labelled with a serial number and a barcode (fiber only)

## Manufacturing Capabilities

Wave2Wave's world-class manufacturing facilities are extensively equipped with state of the art manufacturing equipment for production of fiber optic and copper connectivity products (figures 2 and 3).

- High Volume manufacturing
- Custom cable lengths
- Indoor/outdoor Multi-fiber breakout cables
- Component integration
- Bar coding (for fiber optic cabling)/serial number for product traceability (see figure 4)
- Termination of all connector types
- Termination on specialty fiber
- Local Termination capabilities
- Quick-turn Lead times
- "Rack and Stack" production
- OEM manufacturing

## Equipment

With hundreds of thousands of dollars invested in production and test equipment alone, Wave2wave is committed to manufacturing products of the highest quality and lowest cost.

This enormous investment in technology is what sets Wave2Wave apart from other competitors and allows us to manufacture highly complex and sophisticated products and yet still be able to maintain industry leading levels of reliability and performance.

- Automated cable cut/coil units
- Pneumatic crimping machines
- High precision fiber optic polishers
- High magnification visual end face inspection units
- Automated Interferometer for measurement of connector surface topography (see figure 5)
- Insertion/Return Loss Testing Units



figure 3: Technican assembling fiber optic spice trays

## Services

- Our service offerings reflect our continued dedication to supporting the changing needs of our customers. Some of our newer service products reflect the challenging state of our economy where refurbishing existing components and equipment may be a viable option for corporations looking for innovative ways to save on capital equipment expenditure.
- Fiber/Copper Resorting services (includes: Clean, Test, Inspection, Sort Length and connector type, re-coil, and packaging; Optional: Remove label, adding label, and clean cable)
- Connector re-polishing (re-polish connectors to factory quality) (see figure 6)
- Termination Services (termination of all fiber optic connector types on customer provided devices and cables)

## Quality

- Visual connector inspection through 400x optical scope
- Insertion and Return Loss tests
- Endface geometry inspections
- Performance data recorded for each cable
- 100% quality satisfaction guaranteed
- High quality raw materials
- GR-326-Core Compliant

Contact your Wave2Wave account representative for more information, custom parts or special pricing.

Call toll free at 1-877-223-2296 or e-mail [sales@wave-2-wave.com](mailto:sales@wave-2-wave.com). You can also visit us on the web at [www.wave-2-wave.com](http://www.wave-2-wave.com).

*Note: all photographs and pictures in this brochure were taken at Wave2Wave's facilities.*

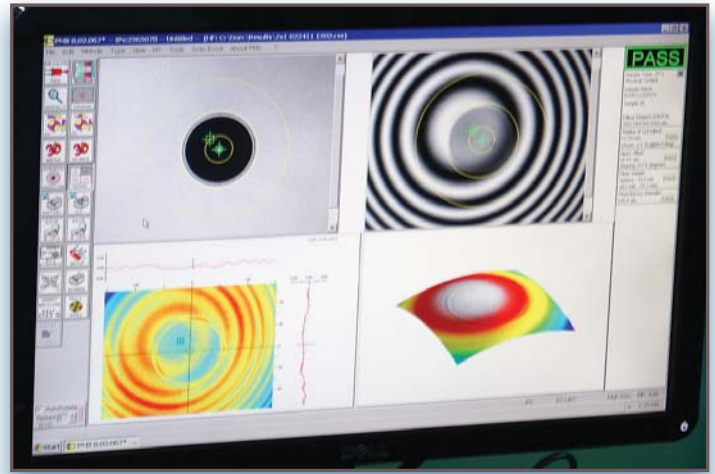
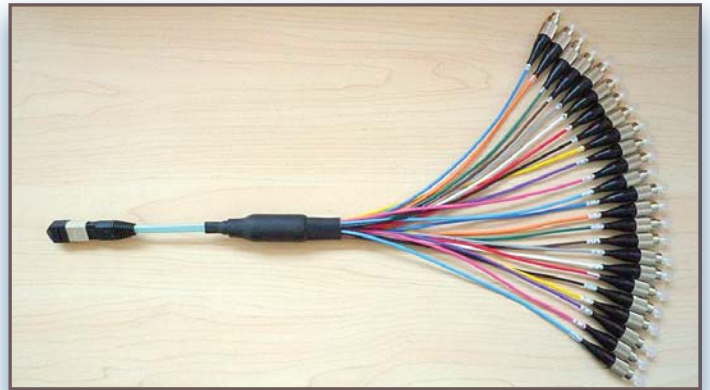
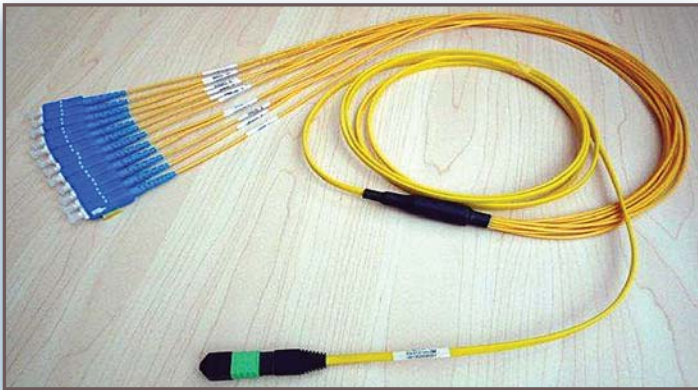
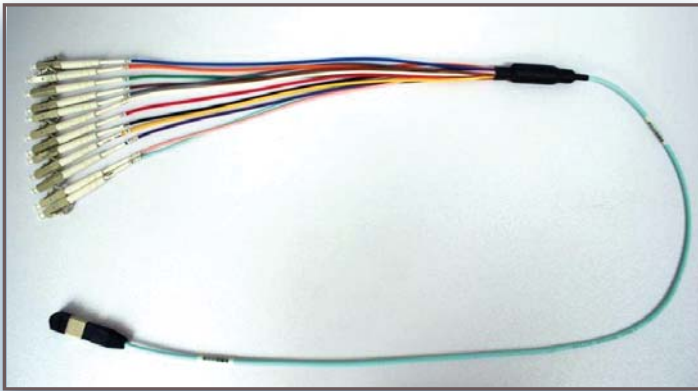
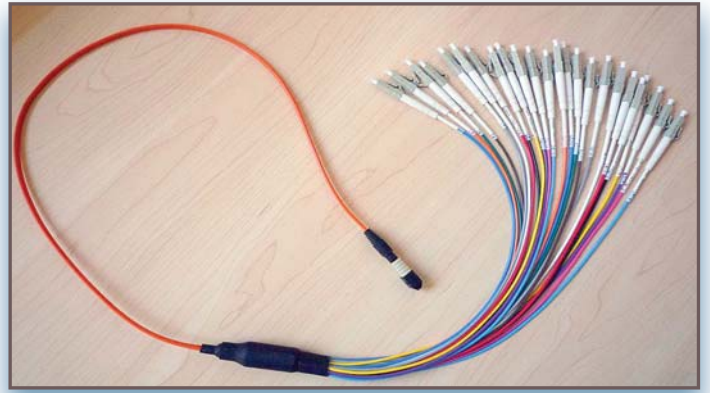


figure 5: Fiber optic cables are checked and QA'ed with an high-end interferometer



figure 6: Fiber optic connectors being polished at our facility

## Custom Cables Manufactured by Wave2Wave



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