

603

MANUFACTURING

Connected by **TREXON**

QUALITY | INTEGRITY | INNOVATION

CAPABILITIES



QUALITY PRODUCTS

Current
Applications
We Support



Space Systems



Defense Systems



Aerospace Systems



Industrial Systems

ABOUT US

Established in 1998, **603 Manufacturing** has proudly garnered recognition as a premier manufacturer specializing in cable assemblies, wire harnesses, and electro-mechanical assemblies. Our expertise spans across various industries, including Defense, Aerospace, Industrial, Medical, and Commercial sectors. As a versatile contract manufacturer, we are dedicated to delivering superior service, unwavering support, and unmatched product quality to our valued customers.

603 Manufacturing Products:

- Cable Assemblies
- Wire Harnesses
- RF Cables
- Ribbon Cables
- Overmolded Cables
- Complex Military Harnesses
- Potted Assemblies
- Box Builds
- DIN Rail Assemblies
- System Integrations



HIGHEST INTEGRITY

CABLE ASSEMBLIES & WIRE HARNESSSES

MILITARY

- Large array of tooling
- Quick-turn military harnesses
- Temperature and shock capabilities

AEROSPACE

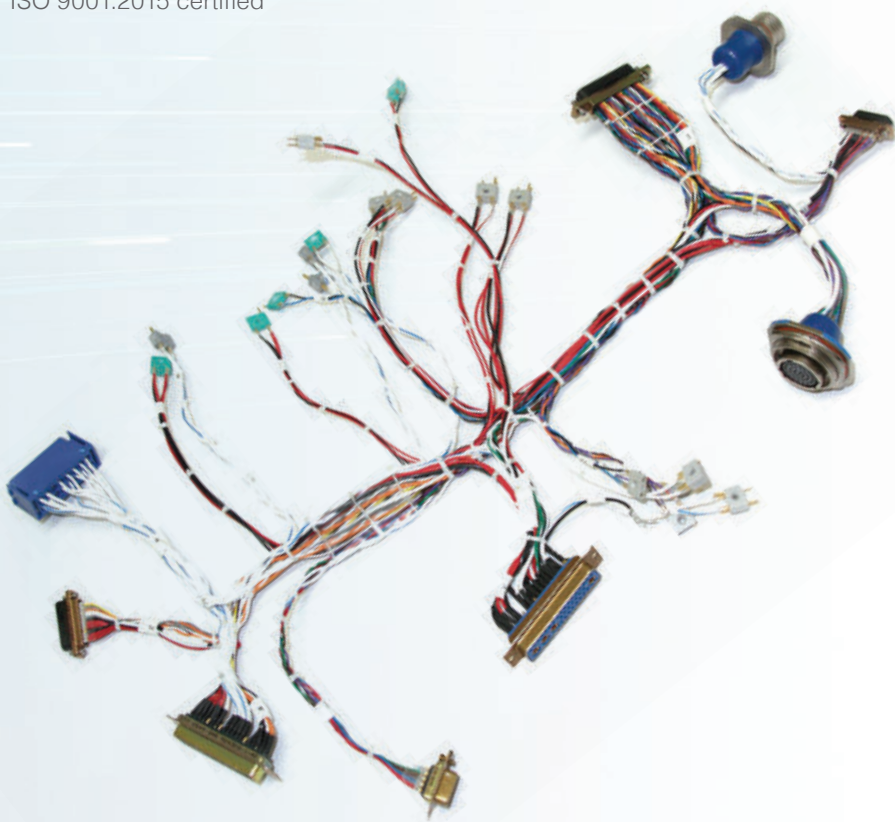
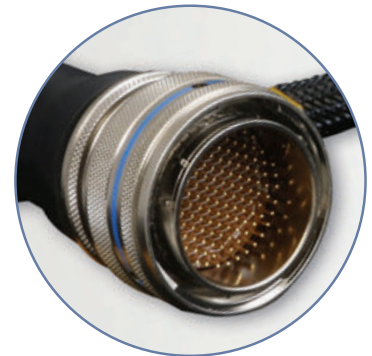
- Cables built to AS9100D standards
- Decades of engineering and manufacturing experience

MEDICAL

- Sensor cables
- Custom coil assemblies
- Custom cable and wiring termination

INDUSTRIAL

- RoHS compliant
- High-flex cable assemblies
- ISO 9001:2015 certified



CABLE ASSEMBLIES



COMMERCIAL

- IPC-A-620 trained assemblers
- Certified test process and equipment
- Low-volume high-mix to production quantities



WIRE HARNESS

- 100% continuity checked to ensure quality
- Wire harness production boards to provide high quality and repeatability
- Sleaving & wrap labeling for wire marking



POTTED ASSEMBLY

- UL 94V-0 rated compounds
- Custom in-house mold capabilities
- Semi-automated mixing and dispensing equipment



RIBBON CABLES

- Wide to fine-pitch
- 100% testing on all assemblies
- Four to 100 conductor assemblies

RF CABLES

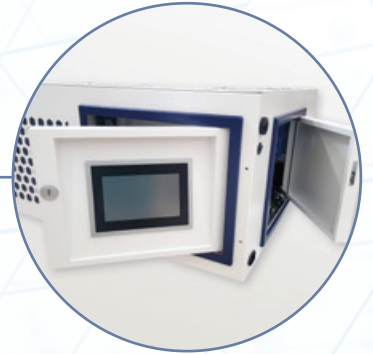
- Semi-rigid assemblies
- Flexible assemblies
- Conformable assemblies
- Phase matched
- Delay lines



ELECTRO-MECHANICAL ASSEMBLIES

BOX BUILDS

- Sourcing of enclosures, paint, and accessories
- Device programming and final product configuration
- Inventory warehousing and direct ship-to-customer available



SYSTEM INTEGRATIONS

- On-site engineering and testing
- Prototype to production volumes
- Total system integration services

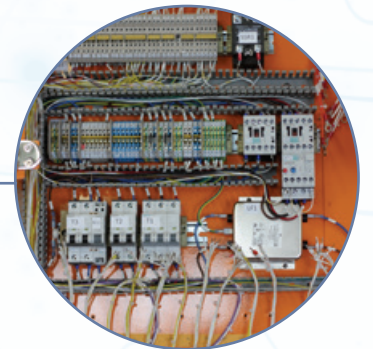
RACK PANEL ASSEMBLIES

- Full documentation packages
- Low to high volume manufacturing
- Functional and environmental testing
- Four to 100 conductor assemblies



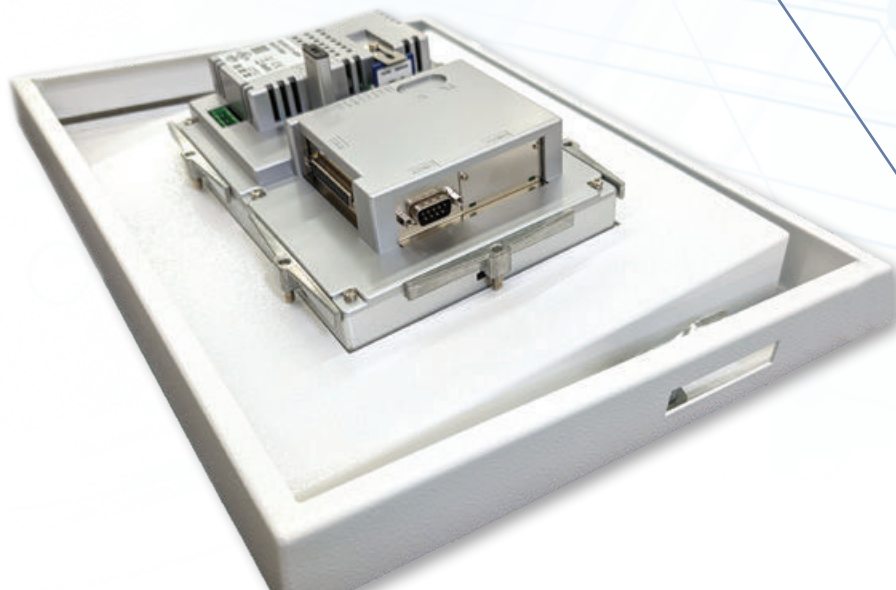
DIN RAIL ASSEMBLIES

- Heat and vibration testing available
- Custom modules including special circuits, relays, fuses and more
- Solutions that include sliding link terminal blocks in screw clamp or spring connections



PRODUCT ASSEMBLY

- Configured to order
- Full functionality testing
- Inventory management and stocking programs available



OUR SERVICES



At **603 Manufacturing**, we are experts at what we do! From engineering services, to program management, to production of complex projects, 603 Manufacturing is flexible, agile, and quick to respond to our customers' needs. We recognize that every project is distinctive and we will work to find innovative and practical results to meet your requirements.

Our goal at 603 Manufacturing is to provide high quality, cost-effective manufacturing solutions in a time-efficient manner. The 603 team, located at our facilities in Hudson, NH, manages domestic manufacturing and coordinates purchasing, program management, quality control, warehousing and shipping for domestic and offshore projects.

603 Manufacturing Services:

- Contract Manufacturing
- Prototyping
- New Product Introduction
- Design for Manufacturability
- Engineering Services
- CAD Services
- Quick Turn Manufacturing
- Consignment Builds
- System Integrations



AS9100 CERTIFIED

QUALITY

603 Manufacturing has an established quality management system that is in conformance with the International Quality System Standards AS9100D and ISO 9001:2015. The scope of this registration is for the contract manufacturing of custom cable assemblies, wire harnesses, and electro-mechanical assemblies for Defense, Aerospace, Medical, and other industries. The certification to the IPC/WHMA-A-620 standard defines the requirements and acceptance for cable and wire harness assemblies, as developed and approved by the industry. 603 Manufacturing is committed to the IPC/WHMA-A-620 workmanship standard by having a certified trainer on staff.



TESTING

603 Advanced Testing:

- AS9100D Certified
- ISO 9001: 2015 Certified
- IPC/WHMA-A-620 and 620 Space Addendum Certified Trainer On-Site
- ITAR Registered
- Hi Pot Testing (6K Volts DC & 10K Volts AC)
- Automatic Cable Scan
- Integrated Final System Test Stations
- Temperature/Shock
- Pull Test Equipment
- VNA (2) from 5 MHz to 40 GHz (110 outside)

Current Applications We Support



Medical Systems



Telecommunication Systems



Commercial Systems



46 River Road, Hudson, NH 03051



21 Park Avenue • Hudson, NH 03051

603MFG.COM