



FORWARD THINKING  
**Serving the Nation through DRDO**

**VAR**SITY

1968-2018

*Varsity Instruments Pvt Ltd.  
Celebrating 50 years of 'Unmatched Service'  
At the new State-Of-The-Art Cable Harness Manufacturing Facility*

# RELIABLE PARTNER FOR CRITICAL MISSIONS

2009  
Onwards

**VAR**SITY

2008  
↑  
1993

  
**Varsity**

1992  
↑  
1968



Every time our nation's defence conceives a mission critical application, Varsity is actively engaged.

Varsity Instruments was founded in August 1968, primarily as an authorised distributor of Test and Measure equipment. Subsequently, Electronic Passive and RF components were progressively included into our distribution arsenal. Thanks to an aggressive growth strategy infused by the second generation owner, Niranjan Kandukuri, Varsity transitioned (from 2003) to manufacturing custom solutions for customers' wiring needs.

In its 50th Year of excellence, as India's fastest growing Wire Harness (WH) manufacturer, Varsity produces top quality "Make in India" products for prestigious partners such as the DRDO. Our proud customers easily attribute and generously share their project success with Varsity, as we are a zero-defect facility that delivers off-the-shelf, build-to-spec and build-to-print products. Varsity owes its success to higher product knowledge, its agility to adapt to new technologies, and to its industry relationships built over the past 50 years.

As Varsity continues to rapidly grow its manufacturing competencies, the management's vision is to be recognised as the nation's "distinguished service provider of an exceptional order!" Varsity's mission is to always stay true to our core values of integrity and humility; to multiply our value-added synergistic services for our customers; and for its employees, Varsity strives to claim the number one spot, as the best place to work for, in the nation's Ground, Aerospace, Defence and Marine sectors.







## CORE BUSINESS

Varsity is a specialist cable harness manufacturer with the capability to design, develop, manufacture and test :

- Aerospace Harnesses
- Missiles & Weapon Systems
- Naval & Off-Shore Harnesses
- Military Ground Vehicles
- Electronic Warfare Systems

We serve multiple industries including :

- Ground
- Aerospace
- Defence
- Marine
- Automotive
- Industrial

Strategic Applications supported :

- C<sup>4</sup>ISR
- Ground Defence
- Unmanned Aerial Vehicle
- Military Marine
- Commercial Aerospace
- Civil Marine

Varsity always valued the patronage of its esteemed clients & reaffirms its commitment to quality & after-sales-service.



## EXPERT SKILLS WITH HIGHEST STANDARDS

Heat shrink materials technology was originally applied in defence industry harnessing during 1960s to meet the need for more compact, lighter, environmentally protected interconnection system that would permit denser installation of electrical equipment. Varsity's harness systems have been continuously developed and extended to give a wide range of system materials to meet the most demanding requirements of Aerospace, Defence, Space, Marine and their allied industries.

Our commitment to provide a complete service to the industry is emphasised by our facility for design work, prototype development, manufacture of EMI/EMC compliant harness systems and their testing.

**Our skilled technicians are qualified and experienced in the following :**

- Wire Bundling, Twisting & Stripping
- Ferrule / Protection Sleeve Insertion
- Lazer Marking & Cutting
- Splicing
- Braid Insertion / Joining / Shielding
- HST Insertion / Shrinking
- Boot / Transition Insertion / Shrinking
- Lacing / Taping
- Contact Crimping & Contact Soldering
- Installing Tinel - Lock Adapters / Backshells
- Labelling
- Lug Terminations
- Potting
- Electrical Testing

# OUR QPL SUPPLIERS



Wires, Connectors, Relays Braid, HST, Boots, Transitions, Adapters, Adhesives, Identification Labels, Lugs, Tools, etc.  
(With a shelf life of one year.)



Interconnect Products



Interconnect Components



HST, boots, transitions, adhesives, labels, cable ties  
(With a shelf life of five years.)



Cable, Wire, Tubings and Accessories



Cable Harness Testers, ATE (Automatic Test Equipment)



'Made in India', Extruded PTFE Wire and Cable



Component systems



06

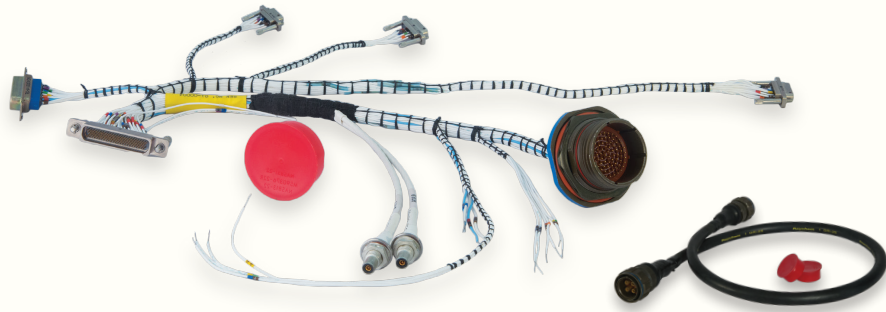
# ASSURED PERFORMANCE

Each material system is based on fully compatible components including the cable jacks, wire termination devices, heat shrink components, shielding products and adhesives. Performance is assured because all components are tested individually and as an assembled harness system and manufactured to the most stringent quality assurance procedures.

Our automatic testing (MK TEST SYSTEMS), is an integral part of our quality control system and full release documentation is provided, if required. All equipment and instruments used are regularly checked and calibrated in accordance with the appropriate industry standards.







## ASSEMBLIES IN ALL SHAPES & SIZES—DESIGNED TO SPEC

Cable assemblies and harnesses provide the perfect solution to a wide variety of demanding harsh environment interconnections.

Assemblies in all shapes and sizes from the precision formed cables, to exact breakouts and connections within complex wire routings. Whether for Aerospace, Military, Marine, Ground Defence or Rail, Varsity's integration of cables, connectors and assemblies delivers solutions for every type of application and installation on aircrafts, helicopters, missiles, ground defence, ships, automotive and trains.

### Technical Support

The company has highly experienced technical team to support our customers, both on site and in our own factory.

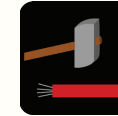
This ensures we are able to fully understand our customers' requirements. We work diligently with our customers during the prototype and development phase. Our ability to deliver prototype products with limited technical data has earned us our reputation to push boundaries in order to solve difficult problems.

Varsity is mission-driven company. We offer the most streamlined, cost-effective, fully manufactured, tested, and ready-to-install products, custom-built to your design needs and specifications. Our customers gain strategic competitive advantage while leveraging Varsity's capability to consistently build and deliver high quality products on time, more economically.

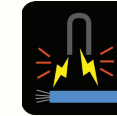
## COMPLETE HARNESS SOLUTIONS FOR TOUGH MISSIONS



Abrasion Resistant



Crush & Impact Resistant



EMC



Sunlight Resistant



Extreme Temperature



Flame Retard



NBCCS



Low Gassing



Flexible



Fuel & Chemical Resistant



Heavy Duty



High Speed



Safety



Repairability



Reliability

Specially suited for Aerospace & resistant to aviation fuel.  
Resistant to long term immersion in military fuels, oils, greases at elevated temperatures.



## YOUR WORLD-CLASS EWIS PARTNER

As a world-class manufacturer of EWIS (Electrical Wiring Interconnection Systems), Varsity is on-board for critical missions and programs.

Where the demand is for a customised harness solution, we can begin with a broad outline specification continuing through to a fully developed cabling and harness solution.

We are able to draw on experience from our Principals, who are one of the leading suppliers of products for fastening, fixing, identifying and protecting cables and their connecting components.

Our flexibility and shared knowledge enables us to provide a quick response, supplying production and electrical drawings, parts lists and test specifications.

We appreciate that prototype development and manufacturing can involve multiple design changes; we will maintain close relationships to support these efforts.

Our extensive experience in this field has developed into an ability to quickly interpret our customers' requirements and move projects along their development course to produce high quality harness solutions in the shortest possible timescale.

**We are registered and an approved supplier to industry leaders such as DRDO.**





# VARSITY

INSTRUMENTS PRIVATE LIMITED

*For more information on our products and services you can reach us at :*

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