



# LEGEND TECHNOLOGIES (INDIA) PVT. LTD.

ABOVE AND BEYOND AEROSPACE TECHNOLOGIES



MANUFACTURERS OF  
HIGH PRECISION SLIPRINGS



59 CHANNEL SLIPRING ASSY.  
FOR HAVAL APPLICATIONS



# INTRODUCING LEGEND TECHNOLOGIES



I welcome you to Legend Technologies (India) Pvt Ltd, a medium scale engineering industry, which offers end-to-end, cost effective solutions for the design and fabrication of aerospace assembly jigs, aerospace structures, and precision sliprings.

While scanning the market for opportunities to expand and diversify, Legend technologies was selected by Vikram Sarabhai Space Centre, ISRO for the licensed production of precision sliprings to meet essentially their requirements.

A technology transfer agreement was concluded between the two organizations in June 2000. It is to be however noted that Legend technologies is the only company to whom VSSC has so far transferred its technology in this field. The licensed agreement expired in 2008. In the meanwhile Legend Technologies has successfully assimilated the VSSC technologies. It is now designing, manufacturing and supplying sliprings to various customers throughout the country. It has further developed the technologies to state-of-the-art standard.



## **E. Ranga Reddy**

Chairman & managing director

**LEGEND TECHNOLOGIES (INDIA) PVT. LTD.**

BANGALORE

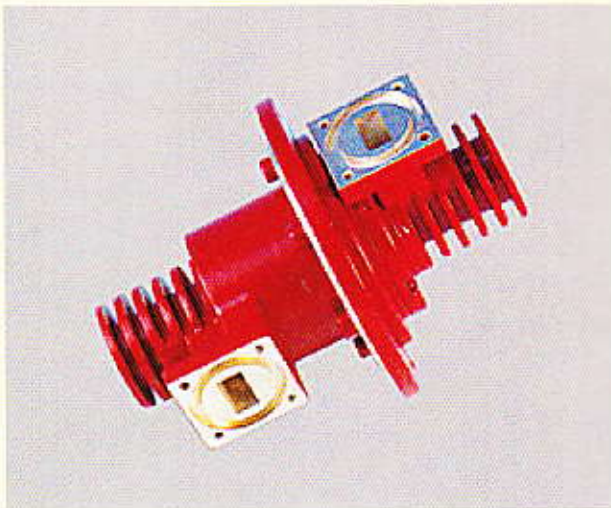
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# WHAT IS A SLIP RING?

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring electric power (A.C or D.C at the required voltage and current), digital or analogue signals or data from a stationary to a rotating structure. It improves system performance by simplifying operations and eliminating damage-prone wires dangling from movable joints.

## TYPES OF SLIPRINGS



### Size wise

- Miniature (upto 20 channels, Diameter 50 mm & height 100 mm)
- Medium (upto 150 channels, Diameter 250 mm & height 500 mm)
- Large (upto 250 channels, diameter 500 mm & height 1500 mm).

### Construction wise

- Cartridge
- Pedestal
- Coplanar

**OUR CAPABILITIES :** Legend Technologies have the design and production capabilities for meeting a wide range of customer requirements. The company believes in continuously improving and extending its range of products and level of technologies and skills. Standard products can be customized as per the special needs of different industries & applications.

## Slipring Technologies

- Machining stator & rotor rings from castings.
- Fabrication of exotic materials like coin silver, phosphor bronze, beryllium copper, silver graphite, poxy & Teflon.
- Encapsulation of Slipring.
- High Tech soldering.
- Clean room, High precision assembly.
- Rigorous electrical & electronic test schedules.

# OUR STANDARD SLIPRINGS

**L T T B / 1 0 - 0 1**  
**10 amps per circuit**  
**2.75" through-bore**



## Description:

The 2.75" through bore provides routing space hydraulics, pneumatics or for a concentric shaft mount.

The LTTB/10-01 technology which offers several advantages including low contact force, low noise and low contact wear rates.

### LT through Bore (LTTB/10) Slipring Specifications:

- Operating Speed 250 rpm continuous
- Number of Circuits 6, 12, 18 or 24
- Lead Wire 16 gauge, 12 inches (300 mm)
- Voltage 600 V, AC
- Operating Temp. -40°C to 85°C
- Current Rating 10A circuits

Product model - Code	No. of Channels	RPM	Voltage (V)AC	Current (A)
LTTB/10 - 01	6	250	600	10
LTTB/10 - 02	12	250	600	10
LTTB/10 - 03	18	250	600	10
LTTB/10 - 04	24	250	600	10

## Typical Applications

1. Industrial machinery
2. Machining centers
3. Rotary index tables
4. Heavy equipment turrets or cable reels.
5. Packaging machines
6. Conveyor system

# OUR STANDARD SLIPRINGS

**LTTB/02-01**  
2 amps per circuit  
1.5" through-bore



## Description:

The 1.5" through bore provides routing space hydraulics, pneumatics or for a concentric shaft mount. The LTTB/02-01 technology which offers several advantages including low contact force, low noise and low contact wear rates.

### LT through Bore (LTTB/02) Slipring Specifications:

- Operating Speed 250 rpm continuous
- Number of Circuits 12, 24, 36 or 48
- Lead Wire 26 gauge, 12 inches (300 mm)
- Voltage 230 V, AC
- Operating Temp. -40°C to 85°C
- Current Rating 2 A circuits

Product model - Code	No. of Channels	RPM	Voltage (V)AC / DC	Current (A)
LTTB/2 - 01	12	250	230	2
LTTB/2 - 02	24	250	230	2
LTTB/2 - 03	36	250	230	2
LTTB/2 - 04	48	250	230	2

### Typical Applications:

- 1.Trucks and man lift equipments
- 2.Industrial / Commercial in-plant equipment
- 3.Signage related equipment
- 4.Misc. off-highway heavy equipment
- 5.Drilling and other boring equipments

# CLIENTELE



## APPLICATIONS

Legend Technologies has already supplied slip rings to customers for the following application areas:

- Battle Tank Turret
- Radar Antenna
- Wind mill
- Robotics
- Submarine

## OUR CUSTOMIZED SLIPRING PRODUCTS



Miniature Slipring



Battle Tank Turret  
Slipring (Coplanar)



Medium Size  
Naval Slipring

## Contact us:

Registered Office: # 26A, 1st Phase, Doddenakundi Industrial Area,  
Behind Graphite India, Mahadevapura post, Bangalore 560 048.

Contact: +91- 080 - 2852 5500 / 20; Fax: +91- 080 - 2852 5501.

Mobile: +9198440 09714 / +919739665577.

Email : [slipring@legendtechnologies.co.in](mailto:slipring@legendtechnologies.co.in), [rangareddy.enti@gmail.com](mailto:rangareddy.enti@gmail.com)

Website: [www.legendtechnologies.co.in](http://www.legendtechnologies.co.in)