



**Toshniwal
Industries Pvt. Ltd.**
MG Toshniwal Group

Since 1959



Your Process Partner

Toshniwal Industries Pvt. Ltd.

Toshniwal Industries Pvt. Ltd. (TIPL) since 1959, is manufacturing Industrial Process Measurement and Control Instruments & CCTV Systems for Industries. TIPL also markets measurement and control instruments & surveillance systems from the range of world leading companies. Our works at Ajmer is well equipped with excellent manufacturing, testing and calibration facilities having traceability with Thermal & Electro Technical Laboratories certified by NABL.

TIPL also undertakes site surveys, design engineering, drawing, documentation, installation & commissioning of Instruments & Surveillance systems worldwide through our team of experienced engineers.

Customer Support : +91 844 844 1044

INSTRUMENTATION SOLUTIONS

Temperature Measurement

- Contact Type Temperature Sensors (Thermocouple, RTD, Thermowell, Compensating Cables)
- Non Contact Type Temperature Sensors (Portable & Online) ; Optical Pyrometer
- Infrared Scanner System
 - Rotary Kiln Shell Scanning
 - Temperature monitoring & analysis system for Continuous Casting of Steel, Hot Strip Rolling, Glass Sheets etc.



Process Transmitters

- Temperature Transmitter (Head, Din Rail & Field Mounted)
- Pressure Transmitter (Gauge, Absolute or Differential Pressure, Remote seal)
- Level Transmitter (Ultrasonic & Radar/ Guided Wave Radar)
- Flow Meters (Coriolis, Differential pressure, Electro-magnetic, Oval Wheel, Thermal Mass, Turbine, Ultrasonic, Vortex & Water Flow Meter)
- HART Communicator
- I/P Convertors



More than 200 users from PSUs & EPCs (DAE, NTPC, BHEL, SAIL, NPCIL, ABB, Thyssenkrupp, Shapoorji etc.)

Test, Measurement & Calibration Equipment

- Process Calibrator, Multifunction Calibrator, Dry Block Calibrator, Master Reference Sensor, Precision Temperature Indicator
- Pressure Calibrators, Pneumatic & Hydraulic Hand Pump, Pressure Comparator, Dead Weight Tester
- Precision Multimeter, Rheostat, Kelvin / Wheatstone Bridge, Galvanometer, LCR Meter
- Ohmmeter, Standard Resistors, Decade Resistance Box, High Voltage Decade Resistance Box
- Ratiometer, Insulation Tester, Power Quality Analyser, Static Frequency Converter, Transformer Testing Equipment
- Cryostat, LN2 Generator



Portable Thermal Imager

- Detector Resolution upto 1024x768
- Temperature Range upto 2000 deg C

More than 50 Users in Indian Railways, >25 NTPC units, >30 State Generation, Transmission, Distribution Companies, >17 PGCIL substations



Online Thermal Imaging Systems for 24x7 Tracking of Unwanted Hotspots

Electrical Substation Condition Monitoring

- Detect Overheated Connectors & Insulation Defects

Coal Stockyard Monitoring

- Thermal Scanning of Coal Stockpile
- Early detection and Fire Prevention



Ultrasound Detection System

- Mechanical Application (Lubrication, Tightness & Valve Monitoring)
- Electrical Application (Corona, Arcing, Tracking, Partial Discharge)
- Other Application (Leak, Steam Trap monitoring)



Vibration Monitoring Portable & Online

- Portable Vibration Analyzers, Balancer & Data collector
- Vibration Sensor (Velocity, Acceleration & Displacement)
- Vibration Monitors upto 4 channels with DCS connectivity



Online Vibration Monitoring System (SETPOINT)

- Online Vibration monitoring for critical machines
- Turbine Supervisory Instrumentation System
- OSI PI connectivity for condition monitoring
- Fastest data storage on rack itself

API-670 5th Edition Compliant



Instrumentation Laboratory Packages

- Instrumentation and Electrical Lab Packages
- Environmental Lab Packages
- Chemical Lab Packages
- Mobile Calibration setup for Power, Steel, Cement, Oil & Gas, Pharmaceuticals, Food etc.



Environmental Solutions

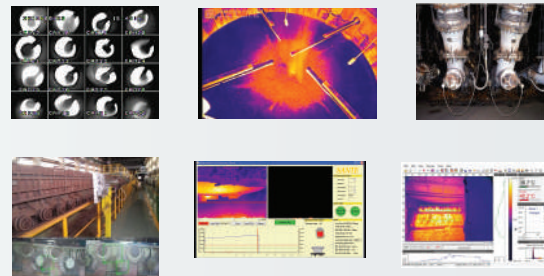
- Portable & Online type gas analyzers (NO_x, SO₂, CO, CO₂, O₂, CH₄, NH₃)
- Continuous Emission Monitoring Systems (CEMS) - NO_x, SO₂, CO, CO₂, CH₄ & O₂
- Dust Monitor/ Switches & Opacity Monitor

Our esteemed customer NTPC, IOCL, CDGI, JSW, Thermax, ABB and many more.



Steel Process Solutions

- Blast Furnace Top (Burden) Viewing System
- Blast Furnace Tuyeres Monitoring System
- Online Slag Detection system
- Vacuum Degasser & Refinement furnace monitoring system
- Sinter Cart Inspection System
- Sinter ignition Bed, Crash deck, and Sinter cooler thermal monitoring system
- Belt Conveyor Tear and Damage detection system



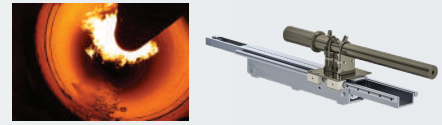
Element Analyzer (Cement & Coal)

- Prompt Gamma Neutron Activation Analysis (PGNAA) Technology
- Online analysis of Ash, Moisture, Sulfur and Gross Calorific Value of Coal
- Cross-belt type online detecting system for raw mix control of cement



Special CCTV System (High Temperature & Radiation Tolerant)

- High Temperature Video Imaging for Kiln, Cooler, Power Generation Boilers
 - Radiation Tolerant Camera for Nuclear Power Plants
- 250+ Installations in Cement & 200+ in Power**



Security CCTV Solutions

- Fixed Camera (Bullet/ Dome)
 - Explosion Proof Camera
 - PTZ Camera
 - ANPR/ LPR Solution
 - Network Video Recorders
 - Video Management Software
 - Video Analytic Software
 - Network Audio System
- Installations in 100+ PGCIL substations, 16+ NTPCs and 10+ Oil & Gas plants**



Fire Detection & Alarm System

- Fire Alarm System (Conventional/ Addressable)
- IR Detectors
- Flame Detectors
- Linear Heat Detection Cable/ Linear Heat Sensing Cable



Communication System

- Analog/ IP PA System
- Plant Communication System
- EPABX System



Ball Mill Level Measurement System & Solids Flow Meter

- Mill Level Measurement System
- Automatic Flow control of Raw Material
- Flow rate measurement of Bulk Solids, Powder grains, flakes, lumps & slurry



Other Product Range

Temperature Indicator, On-Off and PID Controllers, Temperature Scanner, Chart & Paperless Recorders, IP Converter, Microwave Flow Switch, Microwave Flow Monitor, High Voltage Testing Solution

Our Partners



Brüel & Kjær Vibro
a spectris company

ADDRESS : Industrial Estate, Makhupura, Ajmer- 305 002, Rajasthan.

CONTACT US : www.tipl.com | info@tipl.com | +91 844 844 1044

FOLLOW US :   

