

# automotive engineering show

**CHENNAI**

An exhibition on technologies for  
automotive manufacturing

**4 – 6 July 2019**

Chennai Trade Centre, Chennai

[www.aes-show.com](http://www.aes-show.com)

## Exhibitor profile

### **1. Automotive Design and R&D**

- ▶ IT Systems
- ▶ Digital manufacturing, simulation, virtual reality
- ▶ CAD/CAM/CAE and rapid prototyping
- ▶ Product Lifecycle Management (PLM)
- ▶ Manufacturing Execution Systems (MES)
- ▶ Production planning — ERP
- ▶ Engineering services
- ▶ Advanced Plastics/Composites
- ▶ Reverse engineering

### **2. Automotive Inspection and Quality Control**

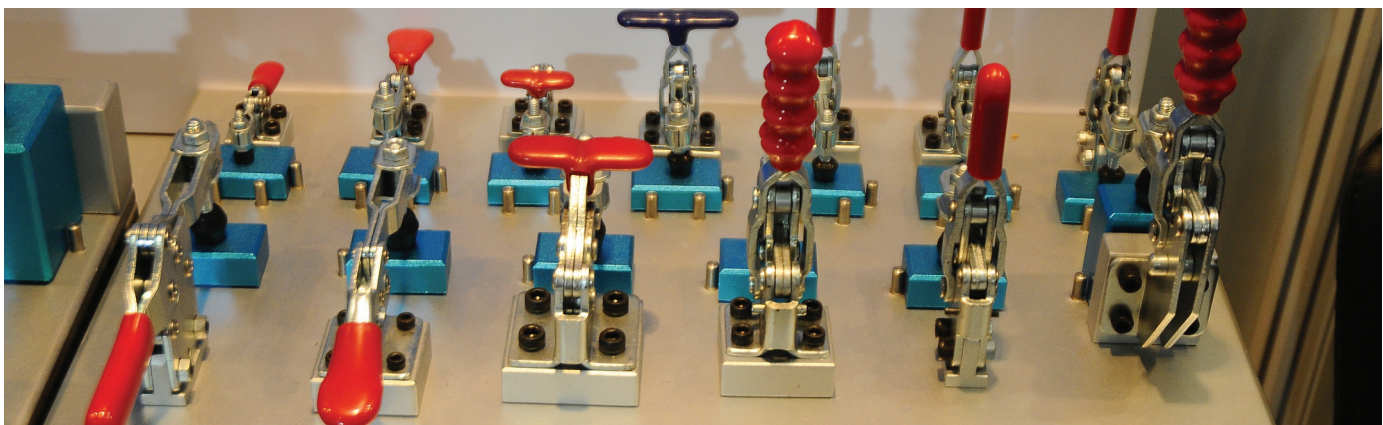
- ▶ Measuring machines and equipment
  - Coordinate measurement machines
  - Precision gauges
  - Laser measurement
  - Surface measuring devices
  - Visual measuring equipment and image processing
  - Process monitoring
  - Calibration equipment
  - Measurement software
- ▶ Quality management systems/CAQ
- ▶ Standards Certification & Auditing Agencies
- ▶ Test Laboratories
  - Materials
  - Components/Assemblies
  - Environmental Test
- ▶ Non-destructive testing

### 3. Automotive Paint and Finishing

- ▶ Surface finishing — abrasion, buffing, polishing, deburring, shot-blasting
- ▶ Chemical Finishing— cleaning, pre-treatment, electro-washing, corrosion resistance systems, ultrasonic etc.
- ▶ Paint & Powder Coating — robotics, spraying systems, conveyor system, curing ovens and other equipment accessories
- ▶ Automotive paints
- ▶ Environmental, safety and protection
- ▶ Paint shop integrators and turn-key solution providers, consultants

### 4. Automotive plant equipment and systems

- ▶ Production equipment
  - Metal working equipment
  - Tooling, work holding, and jigs and fixtures
  - Welding systems incl spot welding, laser welding etc.
  - Casting and forging
  - In-plant handling systems, gantries, lifts, hoists, AGV
  - Lubrication systems and machine fluids
  - Sealing technology and adhesives; dispensing machines
  - Coding and marking equipment
  - Compressed air solutions
  - Cleaning equipment
  - Fasteners
- ▶ Manufacturing automation
  - Sensors & feedback devices- encoders & resolvers
  - PLC, HMI, process control systems
  - Data acquisition, loggers, control panels
  - Networks, ethernet communication protocols,
  - Robotics-welding, pick and place, grippers
  - Barcode systems, RFID Tracking
  - Machine vision—vision software, sensors, cameras
- ▶ Motion control
  - Linear drives, motion guides, gears, servo motors
  - Mechanical transmission systems, pulleys
  - Inverters, clutches, couplings, brakes, valves, actuators
  - Bearings and ball screws



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