

Safety and Quality of Amusement Rides



Amusement Rides carrying the valuable human beings and meanwhile providing them with joy and excitement means great responsibility. Manufacturers and operators need to make sure that amusement rides are safe and run smoothly.

With TUV India Private Limited (TÜV NORD GROUP) as a competent partner and independent third party involved in the process, compliance with the standards and requirements is ensured and safety is maximized.

Operators, manufacturers and investors of amusement parks or fairgrounds can rely on TUV India in all stages of the value chain, from concept and design to manufacturing, construction, operation and maintenance.

We offer services for design review, manufacturing supervision, site assessment initial inspection, acceptance tests and periodic inspection for all types of amusement rides. Inspections and certifications are performed according to all major standards such as ISO 17842-1, ISO 17842-2 & ISO 17842-3, EN 13814- All parts, local legislation and relevant national and international applicable standards, e.g. ISO, EN, DIN or ASTM.

Design Review:

Our team of experts conduct a thorough review

of the design engineering and drawings, ride control system risk assessment with respect to the international standards.

Manufacturing & Shop Inspections:

During the manufacturing and assembly process, inspections are conducted to improve the safety, quality and reliability of critical parts, where needed materials are tested for safe operation. The inspection consists of raw material verification, stage inspection and final dispatch inspection.

Initial Inspection and Acceptance Tests:

Acceptance tests generally start during the installation of the ride enabling to trace deviations at an early stage and to correct them during installation. Once the installation is completed the initial inspection are performed by experts and safe operation of the ride is tested by multiple measurements like Electrical Test, Acceleration Test Load and Functional Test, Safety Interlock Test. In addition, the ride environment (queue lines, operator area, decoration) is also assessed.

Periodic Inspection:

Periodic Inspection are performed annually by our experts to check the changes in the design and performance of a ride including review breakdown and maintenance history. During the inspection, the



unusual wear, damages and irregularities are checked.

Consulting & Training:

TUV India Private Limited is at your side providing consultancy services in all phases of the value chain. Furthermore we provide instructions and trainings for maintenance as well as operating staff.

Benefit to customers

- Compliance with applicable local and international standards, regulations and procedures
- Minimizing risks during development, construction and operation of your rides
- Identification of wear & tear faults at an early stage minimizing risks and downtimes for rides therefore improving efficiency and profitability

About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

TUV India Private Limited

Registered & Head Office
801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086
T +91 22 664 77000, T 1800 209 0902
E infoindia@tuv-nord.com
W www.tuv-nord.com/in

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Over 1400 competent and experienced TUV India experts spread across India and over 14000 TUV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

