

TIL Participates In EXCON 2011 With A Wide Portfolio Of Products

TIL has been partnering India's infrastructure build since 1944 with a wide range of construction, mining, power systems, material handling, port and road building equipment with latest technologies and world-class brand alliances along with a wide array of value added services.

The services and solutions offered by TIL set the industry standards for quality performance, value, and unmatched product support. This year TIL bagged the prestigious award of the 'Fastest Growing Construction Equipment Company' at the Construction World Annual 2011 study.

The Material Handling Solutions



(MHS) division of TIL is engaged in design, manufacture and marketing of a comprehensive range of material handling, lifting, port and road building solutions with integrated customer support and after-sales service. The Equipment & Project Solutions (EPS) vertical focuses on providing crushing & screening solutions as well as offering innovative and eco-friendly asphalt mix technology for road construction.

Manufacturing and technical

collaborations are with Manitowoc Crane Group, USA, Grove Worldwide USA, Potain (a part of Manitowoc - USA), Astec Inc., Hyster (a part of NMHG - USA), Paceco Corp - USA (a part of Mitsui Engineering and Shipbuilding - Japan), FAMAK S.A - Poland and Mitsui Miike Machinery Co. Ltd. (a part of the Mitsui Group - Japan).

For TIL, Excon provides a one-stop-platform where we showcase our equipment and latest technology available in the infrastructure space. At the Excon 2011, TIL is displaying its core competencies in manufacturing range and diversity of products. In other words the focus is to reinforce TIL's role as total solutions provider.





TIL Products Launched At Excon 2011

HYDRA 825 MK II

This Truck Mounted crane redefines performance and comes with great features and benefits as highlighted below:

- 3 section rectangular fully synchronized boom
- Mounted on Mahindra Navistar chassis
- Equipped with MAXXFORCE engine
- Ergonomically designed driver's cab
- 4 point suspended hydraulically assisted tiltable cabin
- For safety of crane operation it is provided with electronic LMI to alarm during any overload condition with audio-visual warning and motion cut
- Motion cut off during over hoisting through pendant limit switch at the boom tip
- Fitment of third wrap indicator with hoist unit

- Hydraulic cylinders are fitted with antiburst holding valve
- Emergency power pack incorporated in the standard system as a regular supply
- Crane controls are through direct lever operation from operator's cab

Benefits of Hydra 825 are :-

- Fully synchronized design ensures even distribution of lifting capacity in the boom of its full length
- Excellent transportability combined with effective service facility of the automotive portion of the machine
- Excellent performance combined with reliability & fuel economy of the engine
- Provides high reliability, comfort & safety for driving, ample storage space & convenient control
- Provides better serviceability for engine & transmission for the

- available space for maintenance
- Slim structure of lesser weight ensures high load bearing capability. This ensures safe operation with load for tele, lift and hoist and displays boom inclination, boom length, radius, actual load, rated load
- For any overload condition motion cut takes place automatically to protect the entire system from damage. This ensures protection against damage of load bearing structure due to over hoisting
- Overlowering alarm generated for operator to take control of the situation. This protects hydraulic system from damaging due to overload condition and ensures holding of load in hose burst condition also, and ensures high maintainability of the machine even in the case of main engine failure

EXCON 2011 - SHOW ROUND UP

- Maintenance free and robust hydraulic control system which enables multiple crane operations simultaneously

User Sector- Rental, steel, cement, oil & gas, port

TIL - KPI-JCI FT2650 Mobile Jaw Plant

The unique key features of this Crushing Solution are:

- Rugged in construction
- Jaw Crusher with a wide opening and a matching Grizzly feeder
- Variable feeder speed by Electronic Displacement Control (EDC) & dwell speed at overload
- CSS measurement scale, easily adjustable CSS
- Forward-Neutral-Reverse control on Crusher drive
- Dual tension rod in the toggle mechanism
- Plant level indicators
- Engine Over load protection system
- Simultaneous Tracking and Crushing
- Reversible conveyors in Under Crusher Conveyor and Side Delivery conveyor
- No grooves on crusher drive pulley by optimizing the distance between the drive and the driven pulley.

Benefits: This machine is ideal for heavy duty applications & longer life cycle, offers 'Best in class' productivity and ensures the lowest cost per ton.

Key Benefits:

- The overloading of the crushers is sensed and feeding rate controlled and prevents the equipment shut down and increases the availability of the equipment.
- Ensures accuracy of the CSS setting

and consequently a better product output.

- Operation in reverse mode reduces the manual interface when material with odd shape and size is stuck in the crusher:
- Enhances the life of the toggle components and lowers the operating cost.
- Quick start up of the plant
- The overloading of the engine is sensed and feeding rate controlled and prevents the equipment shut down and increases the availability of the equipment.
- The plant can be tracked while crushing and marginal shift of the stock pile can be made.
- Helps to remove the choke in the conveying system and clean the conveyors thereby reducing the maintenance hours.
- Reduces the wear and tear of the belt and the maintenance cost and increases the available hours of the equipment to do useful work.

User sector: Road Construction,

Aggregate Quarrying, Mining (Iron ore, Limestone etc)

Besides the launch of new products, TIL also displayed some existing products at the stall:

- Rough Terrain Crane - RT 630
- Truck Mounted Crane - TMS 750
- Hyster Fork Lift Truck - Model H32XM-12
- Hyster TIL Reach stacker - RS 45-27 CH

In Crushing Screening and Road Construction TIL has displayed:

- Telsmith Hydraulic Jaw H2550 - Primary Jaw Crusher
- Pioneer 2500EVT (A) Vertical Shaft Impact Crusher- Tertiary crushing solution
- TIL - Telsmith 6'X16' VKTL Inclined Triple Deck Vibratory Screen- Screening Solution
- Telsmith 38SBS Cone Crusher- Secondary / Tertiary Crushing Solution
- AMS 2618VM-Screening Solution
- ASTEC Portable 6 Pack Hot Mix Asphalt Plant- Road solution
- Mitsui MIKE Twin Header model MT1500G-Cutter attachment

Recently TIL laid the Foundation Stone for its upcoming Reachstacker and Crane factory at Vidyasagar Industrial park in Kharagpur, West Bengal and inaugurated its state of the art Port and Construction Equipment factory in Changual-Kharagpur-West Bengal. At Changual which is the Unit-1 of Port and Construction Equipment facility, TIL will roll out Crushing & Screening products for aggregate and mining applications under license from Astec Aggregate and Mining Group, a part of Astec Inc.-US. Also made under license will be the Double Barrel Hot Mix Asphalt Plant again in partnership with Astec INC. The plant will also make Rubber Tyred Gantry Cranes in technology partnership with Paceco Corp (a part of MES-Mitsui Engineering and ship Building-Japan). The state-of-the-art facility in Changual has been designed using concepts of Demand Flow Technology & Lean Principles.