

Light Construction Equipment

Leading the Pack

Being one of the most diversified engineering companies in India, it's natural for Greaves Cotton to have its presence felt in the largest construction equipment exhibition in South Asia. "With over 1000 exhibitors including 275 from overseas and over 40,000 national and international business visitors, it's vital to take part in EXCON to reach the correct target audience," states Neeraj Sharan,

A leading manufacturer and marketer of diesel & petrol engines, generator sets, pump sets and construction equipment, Greaves Cotton Ltd is thoroughly aware of the gains of being involved in trade shows like EXCON, and has, thus, chalked out plans to make the most of it.

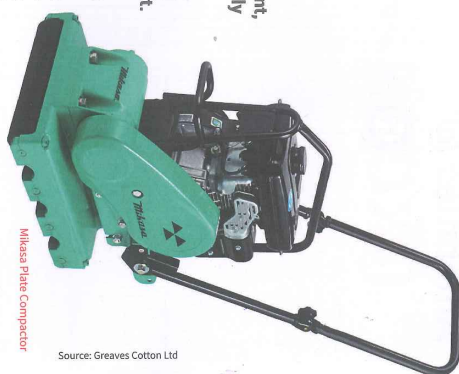


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Neeraj Sharan, President, Construction Equipment & Aftermarket Business, Greaves Cotton Ltd

President, Construction Equipment & Aftermarket Business, Greaves Cotton. The company, through its participation at the show, aims at reaching all major infrastructure development companies specially in the field of road construction and real estate, contractors, builders, and dealers. "It is a wonderful platform to introduce new products and display our existing range of products suitable to the construction industry," remarks Sharan.

Latest offerings
Greaves Cotton has entered into a strategic alliance with two leading global construction equipment manufacturers: Mikasa from Japan and Rexel from Italy for bringing out the best products for the sector.



Mikasa Plate Compactor

Source: Greaves Cotton Ltd

Mikasa Plate Compactor: The Plate compactor uses a highly durable ductile compaction base plate that takes durability to another level. Along with a self-lubricated vibrator system and a vibration absorbing handling system, the compactor comes with some important additions such as a maintenance hour meter and a rubber mat.

Greaves Cotton Ltd
www.greavescotton.com
Hall: 1 (Lower Level), Stall: B-46

Construction and Material Handling Equipment

Cycling Transmissions

AVTEC is the leading OEM supplier of products for construction and material handling equipment industry like automatic and power shift cycling transmissions, transfer cases, splitter gearboxes and PTOs that cater to applications like wheel loaders, transit mixers, self-loading concrete mixers, concrete boom pumps, forklifts and many more.

The company has supplied more than 16,000 cycling trans-

Source: AVTEC Ltd



AVTEC
© GK BIRLA GROUP

sions which are running in the harshest of Indian and global conditions. The product range includes 50 HP to 430 HP automatic and power shift cycling transmissions ideal for applications like wheel loaders, forklifts, rough terrain cranes, aircraft tow tractors, baggage handlers, etc.

TT/TRT 2000 series

The series is automatic and power shift cycling transmission for 3T wheel loaders. Its input power, torque, and speed are 175 HP (130 KW), 420 Nm and 5,000 RPM

respectively. The speeds are 2F/1R, 1F/1R, 2F/2R. Torque converter: 2 Phase, 4 Element, twin turbine with automatic phase transition. The series comes with internal expandable shoe parking breaks.

Other features

Include torque coupling, pneumatic and hydraulic clutch cut-off, electric control valve body and overdrive option.

AVTEC Ltd
www.avtec.in
Hall: 1 (Upper Level), Stall: G-199

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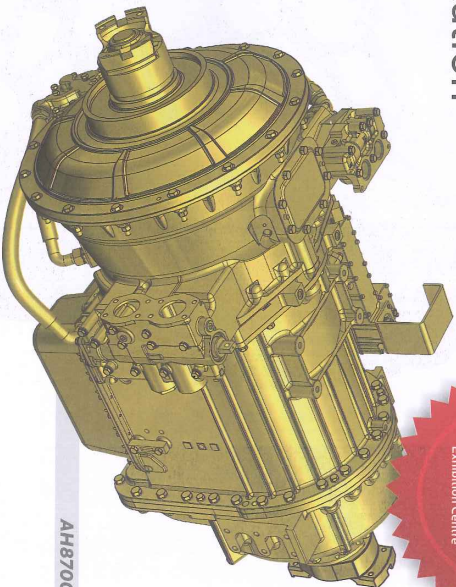
#HAPPENING@SHANPARTS@EXCON2017

Launching the new heavy-duty champion!

1200HP transmission for hauling and oilfield application

With over 3 decades of experience in manufacturing precision engineered products and supplying cycling and hauling transmission aggregates and components for the off-highway market, AVTEC brings to you yet another champion.

The AH8700 transmission with a maximum power of 1200HP, is ideal for hauling applications like 100T mining dump trucks and oil rigs. This work-horse is designed and developed at our in-house tech facility at Hosur and tested for performance in the most demanding of Indian conditions.



AH8700

Visit us at Excon 2017
12-16 December
Hall No. C199,
Hall No. 1, Upper Level
Bangalore International
Exhibition Centre

Salient features of AH8700

- **Reduced Cycle Time for improved productivity:**
7 Forward/ 1 Reverse speed
- **Better Gradeability:** Optimum step ratio for effective Torque utilisation
- **Better Fuel Efficiency:** Lock-up clutch arrangement
- **TET®:** Smooth shift with precision trimming regulation arrangement
- **HATS®:** Revolutionary electronic controls for automatic shifting

Brands On E

Celebrating manufacturing creativity

Jasmeet Singh, Head- Corporate Communications & External Relations, JCB India Ltd views EXCON as a carnival of the Indian Construction and Equipment Industry.



"EXCON serves as a window to the global cutting-edge technologies and trends, and welcomes the world to discover them. This edition of the show has 172 foreign participants who have been given the opportunity to explore India's strength in manufacturing. Our country has been growing in its popularity as a hub for manufacturing for the past few years. This has opened up avenues for EXCON where companies like us take part and let our creation speak for itself."

JCB India Ltd
www.jcb.com
Hall & Stall: Outdoor - 182 and indoor - A8

Construction Equipment

New Mobile Cranes from ACE

ACE, a leader in Mobile Cranes and Tower Cranes, has latest additions in the segment: 16XXV and F210 model Cranes. Both are designed keeping in mind the two important performance criteria of higher lifting capacity and higher reach in Mobile Cranes.



Source: Action Construction Equipment Ltd

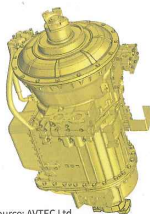
The new 16XXV in Pick n Move Cranes segment.

The 16XXV in Pick n Move Cranes segment, is powered by 60 hp Engine and Transmission and a lifting capacity of 16 ton and a maximum height of 66/70m. The company has pioneered in the introduction of 4 x 4 Wheel Drive Model F210, which has a lifting capacity of 20 ton and a maximum height of 19.7m. The machine has a 101 hp Engine and Transmission from the reliable Ashok Leyland Trucks.

Off-highway Solutions Life off the highway

For AVTEC, one of the largest suppliers of ingeniously designed automatic and powershift, cycling and hauling transmission solutions for the off-highway industry, EXCON has always been a vital platform to showcase its products and technologies.

"Apart from meeting our existing customers, the platform has allowed us to identify new customers and growth areas. The exposure to a varied range of clients and global technologies has also helped us to understand the latest trends and market requirements to design, develop and manufacture transmissions, engines and components as per respective customer requirements," says Prabhakar Kadappa, CEO & MD, AVTEC Ltd.



Source: AVTEC Ltd

Focus at EXCON 2017

AVTEC is presently supplying its products to certain specified segments in India like mining, material handling, construction, and renewable energy. Hence, its target audience at EXCON 2017 is large OEMs in the above segments, keeping in mind the importance of digitalization in enhancing the equipment efficiency and customer convenience. AVTEC has launched its indigenous designed electronic controls, Hauling



"We intend to gather traction from large Indian and Global OEMs for AVTEC's product offerings and co-create products that the industry needs."

Prabhakar Kadappa
CEO & MD, AVTEC Ltd

Automatic Transmission System (HATS). "The main concentration has been to create a link between the mechanical components in the transmission with its sensors to transmission control unit and effective communication between engine and the equipment," he explains. The development of "HATS" electronic controls, is the result of AVTEC's in-house research of over three years at its Tech Centre at Hosur.

AVTEC Ltd
www.avtec.in
Hall & Stall: 1(Upper Level) / G-199

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To realize greater freedom and flexibility in the machine design process

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Electronically Controlled Transmission Systems

Saving the planet

With the shift to clean fuel in the automotive industry, it becomes quite imperative for the Off-highway industry as well to come out with solutions which are more efficient and environment friendly. AVTEC has begun doing its part.

Vehicles emit about 333 million tons of carbon dioxide into the atmosphere annually, which is 20 percent of the world's total. Off-Highway vehicles contribute about 35% of this astonishing number.

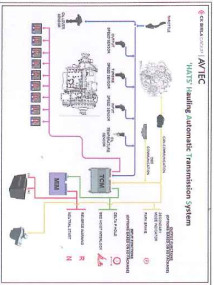
This makes it imperative for all OEMs in construction, mining, material handling and oil field sectors to work towards manufacturing vehicles with better system efficiency and compliant with the latest emission norms. The OEMs are dependent on their component manufacturers to help them in this regard. The powertrain manufacturers play a key role in solving this issue. The need of the hour is the use of electronically-controlled engines and transmissions which will allow the end-users to enhance the overall system efficiency with reduced losses, better monitor the vehicle performance, keep track of emissions and easily trouble shoot field issues.

The means to the end

With this key objective in mind, AVTEC, the leading supplier of high-precision cycling and hauling transmission aggregates and components for the off-highway market, has taken rapid strides towards the introduction of indigenously developed electronically controlled transmission systems. The main concentration has been to create a link between the mechanical components in the transmission with its sensors to transmission control unit and effective communication between engine and the equipment.

The solution

AVTEC's recently developed HATS (Hauling Automatic Transmission System) brings revolutionary controls with flawless communication between the engine and other systems. It deploys a real-time micro control unit with a math-optimized core, integrated with powerful peripherals facilitating high system efficiency, reliability and flexibility allowing better interaction between electronically-controlled engines and transmissions. This system is the solution to monitoring vehicle performance and emissions better.



Source: AVTEC Ltd

The resultant of AVTEC's in-house research of over three years at its Tech Centre at Hosur, this electronic control system has been designed to be integrated with transmissions catering to mining, oil field, and the construction industry. It

HATS' advantages

- Flawless communication between the engine and other systems for better efficiency
- Can be easily integrated with telematics for data transfer
- Captures real-time data which can be used for trend analysis and easy diagnostics
- Expandable data storage by interfacing with external memory expansion unit

is equipped with features like GPS and can be integrated with telematics for data transfer and easy trouble shooting in the field which is a prerequisite for many OEMs.

The HATS system can work in vehicles with 12V or 24V electronic systems. It also comes with prognostic features, supporting the field maintenance team by providing information on transmission maintenance requirements. HATS comes with an in-built storage memory which captures real-time data which can be utilized for creating trend analysis and diagnostics. Apart from this, it extends the storage facility by way of interfacing an external memory expansion unit.

AVTEC Ltd

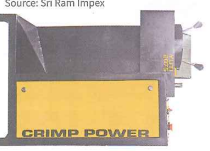
www.avtec.in
Hall & Stall: 1 (Upper Level) / 5-199

Hose & Hose End Fittings

Quality is a habit

Sri Ram Impex is specialized in offering only quality-proven product line to its esteemed patrons. A look at its offerings @EXCON 2017.

"We are a manufacturer, supplier, trader and wholesaler of a wide array of Hoses and manufacturers of Hose End Fittings. We have received excellent response at EXCON 2017



Source: Sri Ram Impex

Sri Ram Impex
www.sriramhosecrimpingmachine.com
Hall & Stall: 4 / V-646



Kashiyaop Chhotal
Managing Partner
Sri Ram Impex

for our showcased products that include Hydraulic Hose Crimping machine, Low Pressure Hose Crimping machine, Skiving machine, and Roll Marking machine. We look forward to the leads getting converted to sales."

Tête-à-tête

It's a Good Good Time!

VG Sakthi Kumar, Managing Director, Schwing Stetter Sales and Services, a regular EXCON sponsor, on why this is the best time to be in the Construction Equipment business.

"EXCON is always good but this time it's better due to the positive market sentiment. From the last to this EXCON, most of the construction machinery manufacturers have, on an average, experienced a growth of 20 percent, making everyone in the segment happy. It's rather best time to be in the construction industry.

We have launched 14 machines here at EXCON, focusing on the five areas of Urban infrastructure, Rural infrastructure, Swaachh Bharat, Transport infrastructure - Roads & Highways, and Metro rails and High-speed trains, which have appealed to our customers.



VG Sakthi Kumar
Managing Director
Schwing Stetter Sales and Services Pvt Ltd

Source: Magic Wand Media Inc

Schwing Stetter Sales and Services Pvt Ltd
www.schwingstetterindia.com
Hall & Stall: Outdoor OD - 20 & 28

Powertrain Solutions

AVTEC launches heavy-duty transmission for mining and oil field applications



Source: AVTEC Ltd

Deepak Kumar Hora, Chairman & Managing Director, Bharat Earth Movers Limited (BEM), unveiling the product at the AVTEC stall.

added one more feather to its cap by introducing its new product offering AH8700 at EXCON 2017. The AH8700 is a 1200 hp heavy duty transmission ideal for 100T mining dump truck and oil field applications. Designed and developed at its in-house tech centre at Hosur, Tamil Nadu, the product has been

validated in the harshest of Indian conditions and has unique features that ensure reduced cycle time with 7 forward speeds and 1 reverse speed. Improved fuel efficiency with lock-up clutch arrangement and better gradeability with optimum step ratio for effective torque utilization. AVTEC has been a partner of BEM for more than 3 decades now. We congratulate AVTEC for launching this new product and wish them success in all their future endeavours," said Deepak Kumar Hora, Chairman & Managing Director, Bharat Earth Movers Ltd (BEM) who formally launched the product in the presence of Pabalar Kadapa, CEO & Managing Director, AVTEC Ltd.

AVTEC Ltd
www.avtec.in
Hall & Stall: 1 (Upper Level) / G-1199

Tête-à-tête EXCON, the Right Place at the Right Time

S Sakthi Kumar, MD & CEO, thyssenkrupp Forged Technologies - India Region, is upbeat about the coming times for the industry.

EXCON is just the right place to be when the time is opportune for the industry to grow phenomenally. The event has garnered overwhelming response and has, yet again, been successful in exceeding our expectations. People from overseas have been comparing the event with the globally best and ranking it better. This is a true achievement. It's before long that we graduate from being South Asia's biggest to Asia's biggest. The industry leaders must make the most of the good times and its opportunities with the aid of projects for Smart Cities, New Ports, Road Infrastructure Development and Railways etc. rolled out by the Central Government. Since we can conquer anything we set our mind to.



Source: Magic Wand Media Inc

thyssenkrupp Forged Technologies - India Region
www.thyssenkrupp-india.com
Hall & Stall: 1 (Lower Level), Stall: D-135

Construction Equipment Software

Trimble Earthworks Grade Control System



Source: Trimble

The new Trimble Earthworks for Excavators Grade Control Platform is designed to help operators do more in less time. It features intuitive, easy-to-learn software that runs on an Android operating system and runs on the new 10 in. Trimble TD520 touch-screen Android display. The software was created in collaboration with construction equipment operators around the world, so the interface is optimized for ease-of-use and productivity. Colorful graphics, natural interactions and gestures, and self-discovery features make Earthworks intuitive and easy to learn. Earthworks allows data files to be transferred to or from the office wirelessly and automatically so one always has the latest design. Using the Android operating system, other useful applications can be downloaded. And for more flexibility, the Trimble Earthworks can be used on third-party Android tablets.

With the software, one can now take advantage of the first integrated 3D aftermarket grade control automatics for excavators. Excavators can work semi-automatically, allowing operators to create smooth, flat or sloped surfaces more easily.

Trimble
www.construction.trimble.com
Hall & Stall: 4 (Lower Level) / L-304

Scaling New Heights

Jayanta Ray, General Manager – Industrial & OEM, GS Caltex India, briefs us on the company's strengths which are precisely the reasons for its success.

GS Caltex (GSC) is a Fortune 500 Fully Integrated Oil Company. R&D is the core strength of GSC, the facility for which is near Seoul, South Korea and which has developed many award-winning lubricants to forge partnerships with major OEMs and key accounts.

In many industrial applications, oils formulated with GS Caltex premium base oils can dramatically improve performance over Group 1 formulations – with minimal or no cost increases. Due to the chemical and physical properties of GSC Group II base oils, lubricants including higher operating temperatures, smaller pumps, higher power densities, longer drain intervals, lighter materials, and more compact designs than their Group I counterparts.

Whether grease for bearings in vehicles and machinery, or hydraulic oils for all sorts of applications or engine and gear oils for all the vehicles operating on construction sites – GSC is the single source for the world class lubricants.



Jayanta Ray
General Manager – Industrial & OEM,
GS Caltex India

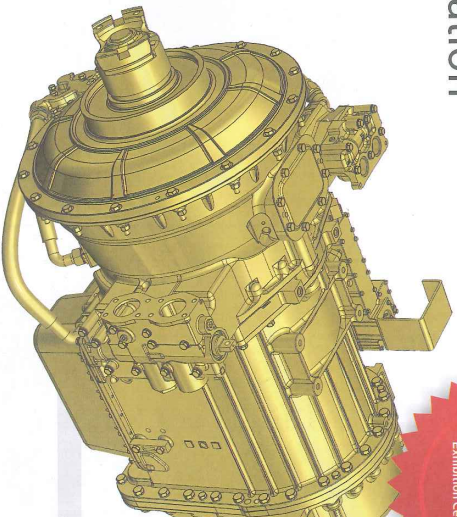
G S Caltex India Pvt Ltd
www.gscalesindia.com
Hall & Stall: 4 (Lower Level) / S 542

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- **Better Fuel Efficiency:** Lock-up clutch arrangement
- **TET[®]:** Smooth shift with precision trimming regulation arrangement
- **HATS[®]:** Revolutionary electronic controls for automatic shifting