

# Liftech

CeMAT  
Special  
Issue

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In this special issue of LIFTECH, we tell you a little more about the equipment we are going to display at CeMAT India 2009 from 10<sup>th</sup> to 13<sup>th</sup> December 2009 at the NSE Grounds, Mumbai. Remember, we are in Hall 5, Stand 5A102, near the main entrance to the hall. Do visit us.

## 1 tonne 3-wheel Electric Forklift

India's smallest forklift beats its own record

## 2 tonne Electric Forklift with AC drive

India's most advanced electric forklift

### India's smallest electric forklift becomes smaller

Godrej have been building India's smallest 1 tonne 4-wheel forklift since decades. We've now beaten our own record with an even smaller and tighter turning 1 tonne 3-wheel electric forklift. Warehouses that need to move smaller loads in the sub-1 tonne class either use stackers or their larger, more expensive reach trucks or forklifts for the purpose.

The stackers are fine for less frequent use but if you have a need for almost continuous material movement through the day, you hardly have a choice but to opt for larger, more expensive equipment. This is precisely where the new Godrej 1 tonne 3-wheel electric forklift steps in.

- An outer turning radius of only 1040 mm and an overall length of 2550 mm including forks
- Right angle stacking aisle width just under 2500 mm for a 1000 mm long pallet
- Variable wheel base design means you get additional stability when the forks are high and the mast is tilted back
- Low seat height of 920 mm gives the operator a great sense of comfort while a 1916 mm high overhead guard makes it ideal for working under low ceilings
- An integrated and harmonized drive train, electronic MOSFET control, foot operated parking brake, adjustable steering column and battery roll out system bring contemporary advantages to this model
- Container stuffing mast makes this truck ideal for stuffing / de-stuffing operations

So if you need to move and stack small loads through the day, the new Godrej 1 tonne 3-wheel electric forklift is the answer.



### An electric forklift with a turning radius of just 1.8 m (6 ft)? Only from Godrej

The new 2 tonne AC electric Forklift from Godrej needs a right angle stacking width of just 3.33 m, the smallest in its class. How does this space saving forklift manage this?

- The front wheels are driven independently by 2 AC drive motors with integrated gearboxes
- The traction control system of each motor is synchronized to create an electronic differential which is capable of turning the drive wheels in opposite directions to produce an extremely tight turning radius
- A completely new steer axle that brings the center of the turning radius to a point exactly between the drive wheels

Result? The forklift turns virtually on the spot



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# Liftech

## 3 tonne Electric Forklift

Brand new series of electric forklifts

## 3 tonne Diesel Forklift

Advanced forklifts for advanced users

## Godrej electric forklifts. New looks. New benefits.

Godrej GX electric forklifts are known for reliability. No wonder we have a 51% market share in this segment. We now bring you the next generation in this series with a new drive train and a brand new forklift designed around it. This new platform can be delivered with the current DC SepEx drive technology as well as with AC technology for power users. Come see it at CeMAT.

- Integrated and harmonized drive train package for a powerful and smooth drive performance
- A new low profile cowl with slim steering column dramatically improves visibility of fork tips
- Low mounted battery lowers operator seat height for a more comfortable ride feel
- Lower center of gravity gives you greater lifting capacity at higher fork height and a more stable turning and lifting performance
- High performance package on this forklift with a single motor and electronic controller to manage lifting, tilting and steering functions



The high performance package delivers these powerful benefits:

- High energy saving; forklift runs longer on each charge
- Prolonged battery life, deferred battery replacement
- Smooth lift, tilt operations which minimize product damage
- Superior control over hydraulic functions improves confidence, boosts productivity

## New series of 1.5 to 3 tonne Diesel Forklifts

- Brand new aesthetically superior profile
- Powerful diesel engine meeting BS-II emission norms
- Air intake located high up in the overhead guard prevents ingress of heavier dust particles
- Dual element air filter with condition indicator for cleaner air supply to the engine
- Single speed transmission with 22% gradeability and electric power shift
- Maintenance free wet disc brakes deliver excellent braking performance
- Control cover on top surface of transmission for superb service access
- Suspended overhead guard and seat with suspension for a smoother ride
- Low, comfortable step heights
- Tilttable steering column adjusts to the comfort of individual operators
- Low profile cowl for improved visibility of fork tips
- Distinctly designed counterweight profile improves rear ground visibility
- Exhaust located near ground level
- Single piece engine hood for superb under hood access



# Liftech

## 1 tonne Electric stacker

Move smaller loads productively and economically

## 1 tonne Powered Pallet Truck

Save money on your ground transport activity

## Small loads and lots of stacking? No problem. Use our new 1 tonne Stacker

After building over 500 units of our 1.5 tonne electric stacker which contributed hugely to Godrej claiming the # 2 slot in the Indian warehouse truck industry, we now bring you its baby version - a 1 tonne electric stacker

- 1 tonne capacity at 600 mm load center; lift heights up to 5 m
- Mast options include 2-stage / 3-stage with full free lift
- 2 different chassis platforms (ES / EST) to suit different pallet types, lifting capacities and fork heights
- Offered with DC SepEx and AC drive according to your choice
- Fail-safe electromagnetic brake on drive motor
- Full function control handle for safe and productive operation
- Tandem load rollers for better weight distribution
- Polyurethane wheels and rollers provide cushioning on uneven floors
- Options include operator platform, battery roll-out system, high capacity batteries and custom programmed performance



## Light pallets and lots of movement? Think of our new 1 tonne powered pallet truck

If you are using big, expensive counterbalanced forklifts or an army of hand pallet trucks to transport loads around your factory or warehouse without the need to lift them to a height, take a good look at our Powered Pallet Trucks. Far more economical than forklifts and multiple times more productive than hand pallet trucks, Powered pallet Trucks are designed specifically to transport heavy loads along the ground.

We're introducing our new 1 tonne Powered Pallet Truck at CeMAT India 2009

- 1 tonne capacity at 600 mm load center, 205 mm lift height
- Offered with 2 different fork spreads to manage different pallet sizes
- Integrated drive unit with DC SepEx traction motor and electronic controller
- Fail-safe electromagnetic brake on drive motor
- Full function control handle for safe and productive operation
- Tandem load rollers for better weight distribution
- Polyurethane wheels and rollers provide cushioning on uneven floors
- Options include operator platform, battery roll-out system, high capacity batteries and custom programmed performance

What sets Godrej Powered Pallet Trucks apart from the competition?

- Optional AC traction motor - more uptime between charges, virtually maintenance free, saves energy
- Full function control handle which allows your operator to focus completely on managing the load
- Battery roll out system as a standard provision



# Liftech

## 1.5 tonne Counterbalanced Stacker

Combines the advantages of counterbalanced forklifts and stackers

## 1.2 tonne Reach Truck with 7.5m fork height

Greater capacity, higher fork height

### Get a counterbalanced forklift with the economy of a stacker

The Godrej Counterbalanced Stacker does the work of a forklift with the operating economics of a stacker.

- 1.5 tonne capacity at 600 mm load center; lift heights up to 4.5 m
- Mast options include 2-stage / 2-stage with full free lift / 3-stage with full free lift
- Perfectly substitutes forklifts in less frequent, general purpose handling and stacking operations
- Fail-safe electromagnetic brake on drive motor
- Polyurethane wheels and rollers provide cushioning on uneven floors
- Battery roll out system
- Unlike a counterbalanced forklift which needs a licensed operator, almost anyone can operate a counterbalanced stacker

What sets the Godrej Counterbalanced Stacker apart from the competition?

- Integrated drive train with brushless, maintenance free, energy saving AC drive motor and electronic controller
- Front / back tilt of mast which means the stacker mimics counterbalanced forklift operation
- Full function control handle which allows your operator to focus completely on managing the load
- Battery roll out system as a standard provision



### Introducing the second model in our Reach Truck family

You've seen our 1 tonne Reach Truck with a 6m fork height. Now we bring you the second model, a 1.2 tonne capacity Reach Truck with fork heights up to 7.5m

- Fully integrated drive package tuned with the control system
- Maintenance free, brushless AC traction motor and electronic control
- 3-stage moving mast with full free lift
- Tightly nested mast sections to minimize sway at full height
- Advanced operator cab with excellent visibility, fully adjustable seat, electric steering, fingertip valve control
- Machine control system with digital status display
- Operator presence sensing for safe operation
- Battery pull out system for quick and easy battery changes



# Liftech

## 2 tonne Articulated Forklift

Increase storage capacity for free with every articulated forklift

## Brand new Electric Tow Trucks

Move heavy loads over long distances

## Expand warehouse capacity (for free) with our Articulated Forklifts

Godrej Articulated Forklifts need the least aisle width of any warehouse truck... in the world!

You can stack pallets up to 9 m height in an aisle as narrow as 1.8 m (6 ft.)

- Godrej Articulated Forklifts need 50% less space than counterbalanced forklifts and 30% less space than reach trucks
- You benefit from the speed and versatility of counterbalanced forklifts with very narrow aisle capability that comes only with specialized VNA equipment
- Large rubber tyres give it outdoor capability. So you can move the pallet from the transport lorry to the rack in one step
- Eliminates the need for separate trucks for indoor and outdoor work
- Your operators need to be trained to operate just one kind of truck
- Many customers in India will testify to the sheer money they saved in warehouse space and handling productivity with Godrej Articulated Forklifts
- Our range includes 1.3, 1.8 and 2 tonne models with fork heights up to 9 m
- On display is our 2 tonne model with a 9 m 3-stage mast



## 5 and 6 tonne sit down rider tow trucks launched in a new avatar

We've re-launched our 5 tonne electric tow truck with a completely remodeled design that combines aesthetic appeal with many new features

- An ergonomic molded vinyl seat with built-in weight adjustment and a safety seat belt
- Easy to remove light weight FRP covers give instant battery and drive train access
- Battery roll out system for quickly and easily changing the battery
- Tilttable steering column to suit individual comfort
- Tow hitch can be operated without leaving the seat
- Low profile rear cover to allow better visibility or carry small packages on the truck itself
- Foot operated parking brake for easy, one-foot operation

Introducing 2 tonne stand up rider tow truck

Our brand new model - the 2 tonne stand-up rider tow truck

- Provides the perfect balance between productivity and the cost of moving small loads around your plant or warehouse
- Easy to remove light weight FRP cover gives instant service access to the drive train
- Low profile chassis for walk in entry and exit
- Foot operated parking brake for easy, one-foot operation
- DC SepEx traction control with MOSFET controller for smooth driving



# Liftech

## Tennant T3e Walk-behind Scrubber

Tough little machine for tough cleaning applications

## Pre-owned Lift Trucks

Dramatically reduce your capital or equipment hire costs

## T3e walk-behind scrubber from Tennant

Tennant scrubbers are rugged in construction to withstand tough industrial applications. A patented parabolic squeegee and an excellent water pick up system leaves floors dry very quickly. Equipment is designed to for ease of operation and maneuverability. The full range of scrubbers includes walk behind and ride on models with battery and diesel power sources.

The model on display at CeMAT, a **T3e**, has some excellent features that users truly benefit from. The rapidly increasing sales of this model since it was introduced 18 months ago is testimony to its performance and reliability. Here's what sets it apart from other walk-behind scrubbers on the market: Scrubbing brush can be applied to the floor with a standard force of 23 kg. But for those stubborn stains or oil spills, a flick of a switch will nearly double the brush pressure to 41 kg to make small work of big dirt. No other machine offers this unique advantage

Patented parabolic squeegee ensures that water suction is applied uniformly along the squeegee right up to the ends, leaving absolutely no water trails along the floor

Tough, roto molded body comes with a 10 year warranty, again, something no one else offers

De-misting chamber in the recovery tank protect the expensive vacuum motor from damage due to moisture

Unbeaten low noise level will not disturb your quiet warehouse, canteen or office environment

It is battery operated so you don't have long chords in the work area which can be a hazard to people and mobile equipment

Tennant also offers a unique cleaning technology (option) which completely eliminates the need for detergent. Water is ionized and the electrically charged water acts as a very effective dirt buster

Tennant is a 139 year old company and a world leader in industrial floor cleaning solutions focused on continuous innovation and development of new technologies to reduce operating costs, improve productivity and achieve a cleaner, greener environment



## Pre-owned lift trucks: As good as new

We're displaying a 2 tonne capacity *pre-owned* Reach Truck from the Crown Encore program. If we didn't point out the data plates and tell you it was a pre-owned truck, anyone could easily think of it as brand new. Besides Crown, we also offer pre-owned forklifts from the Godrej and Komatsu range.

There are innumerable sources of used equipment in all markets; some are unbelievably cheap but you have to count on sheer luck and chance to benefit from such purchases. Other sources, like Godrej, are relatively expensive but if the supplier is an experienced lift truck manufacturer and offers fully stripped, repaired and rebuilt equipment with a warranty and backs you up with spares and technical assistance, you can count on the supplier rather than your luck.

Pre-owned lift trucks from Godrej normally cost between 40 to 60% of the price of new trucks but deliver surprisingly great value. So what kind of lift truck users really benefit from pre-owned equipment? Here's what we think:

Customers who need to use a lift truck for a few hours each day

Hirers who need to maintain economic levels of investment in their fleet of trucks

Fleet owners or hirers who need to keep a few lift trucks on standby to ensure high availability of trucks

