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SAIE 2005, note the massive Cormagh's in the foreground.

With a 32 metre maximum tip height, a maximum working radius of 24 metres, compact dimensions (6.4 x 2.35 x 2.9 metres), a basket and a luffing jib attachment, it is a useful crane and perhaps a sign of the future?

Grove had a number of mobile cranes on display, with the main feature being the first RT530E off of the new Italian production line. The company also confirmed that it will start small. All-Terrain production in Italy from next year.

TCM, the Italian telescopic crawler crane producer showed further models in its growing range, including a very attractive compact 40 tonner, with multiple position outriggers. The company also showed designs for a 135 tonne telescopic crawler, also using outriggers for levelling and to keep base dimensions compact. The first unit has already been sold.

Ormig's new 25 tonne electric pick and carry crane lived up to its pre show

# Bologna surprises

This years SAIE show in Bologna while a little quieter than usual, due to it being an "off year" for tower cranes and earthmoving, still attracted some 220,000 visitors and produced several surprises in terms of new products.



TCM showed several new telescopic crawlers, with and without outriggers. This RTC-50.2 has adjustable width tracks.

The biggest surprise of all perhaps was found on the Terex Demag stand. After telling us not to expect any new cranes, the first thing we saw on the stand was an exceptionally good looking all-new telescopic crawler crane!

The new model designated, the TCC45, offers a maximum 44 tonnes lifting capacity at 2.5 metres, 40 tonnes at

three metres, with a five section 37.4 metre boom, borrowed from the Bendini RC45 rough Terrain crane. The TCC45 has a retractable undercarriage that allows the 4.5 metre operational width to be reduced from the cab to a handy three metres transport width.

The counterweight is under 10 tonnes and the fully equipped machine has a GVW of only 42 tonnes. Its compact



Terex Surprised with a brand new 44 tonne telescopic Crawler from the Bendini stable.



The Eco-power city crane offers a luffing 3 section jib and a basket attachment.

Mister Gru displayed a very neat looking battery/diesel powered 20 tonne city crane.

dimensions, including an overall height of less than three metres, make the new model very easy to transport.

Another new crane that caught our attention at the show was the Eco-power 20 City crane made by Tadano-Faun dealer, Mister Gru. The unit is a 20 tonne ultra compact city crane, equipped with both battery Electric and diesel power units.

This allows the crane to work quietly when located in sensitive areas.

publicity: the unit looked very solid, possibly over built for a 25 tonne crane?

The widest array of new products came from the Telehandler and lorry loader camps. All of the Italian based telehandler producers we spoke to are doing very well. Merlo will soon open its new production facility that, it says, will increase production by over 45 percent to over 6,000 units a year. dDieci is also building a brand new

Terex launched four new telehandlers.



plant (see face to face page 43) which will eventually double its production from the current 1,200 units and Terex, has seen its Italian telehandler production more than double as the benefits of its improved distribution and Genie association come on stream.

### Telehandler novelties

When it comes to new telehandlers, Merlo, as usual for SAIE, offered the widest range of novelties, with two new product ranges. The mid range Panoramic models with lift heights of 12 to 14 metres are replaced with four new base models with higher powered "Plus" versions of each, making a total of eight new models. Merlo says that the new models are not just a facelift, but are completely new, both inside and out. A number of the improvements follow on from those introduced earlier this year on the six to 10 metres Panoramic range at SED.



Merlo's new chassis frame for its compact 2m wide units, eliminates the usual side plates.

The booms have been made lighter and more compact with faster extension and lift speeds, this has provided space for a wider cab, Merlo claim that it offers the most generous dimensions in the industry. Other in cab improvements include more ergonomically positioned controls, better visibility and multi outlet air conditioning. All units offer the Merlo boom side shifting, the entire chassis rotates by a few degrees either side of centre, providing around 660mm of total lateral movement of the load.

The most radical new design was reserved for two new compact Panoramic models, Only two metres wide, they



The massive J2385 from Pagliero offers exceptional jib rotation and a near vertical main boom.

offer lift heights of 6.4 and 8.2 metres, with 3,200 and 2,800 kgs maximum lift capacity. The major breakthrough is a radically new chassis design that eliminates the normal structural side plates that sit either side of the stowed boom.

In order to maintain and even improve on the structural rigidity, without these side plates, a boom like, box section chassis has been used. As it sits under the stowed boom, it also helps provide a lower centre of gravity. The space saved

by eliminating the side channels/plates has allowed Merlo to fit a full width cab on this narrow aisle machine.



The smallest telehandler, the Cingo from Merlo

Terex also chose SAIE to launch several new telehandlers, while branded as Terex at the show, they will also be marketed in some areas as Genie's. Topping out the new launches are three new Gyro 360 degree models, with heights of 18, 20 and 25 metres. The new 6025 is the largest Terex/Genie telehandler to date, with 25 metre maximum fork height and 6,000kg maximum lift capacity. It is powered by Cummins and comes fully equipped with an integrated load management system that monitors both the outrigger and fork loadings along with slew position to offer a comprehensive overload system that includes a data logger.

The two smaller units share most components and add to the already wide 360 degree Terex range, but depart from existing models in that they use Deutz power in place of Perkins.

One new model has been added to the fixed frame product range, the 13 metre/4,000kg Telelift 4013. No technical specifications were released on this unit at the show.

The smallest telehandler on display was located on a separate Merlo stand, the company has designed a telescopic boom to fit onto its Cingo rubber tracked mini tool carrier chassis.

With just under three metres of lift height and 200kg capacity, its potential is limited, but given new restrictions on manual handling etc it could prove to be a useful tool on home refurbishment applications.

### Loader crane overload

As we predicted, the loader crane producers were out in force at SAIE, the big news on the corporate front was of course the takeover of the Effer business by CTE. While technically still in administration, Effer dazzled visitors with its range of new product introductions. Leading the way was the 275 and 305 models offering 25 and 28 tonne/metres of lift capacity. The new models, which are based on Effer's modular "Octopus project",



How's this for cranes and access and all on a telehandler

bristled with new design features, including a maximum main boom angle of 98 degrees, yes beyond vertical! And a fly jib angle of 200 degrees, providing 20 degrees above horizontal. Both units are equipped with an oversized slew ring and planetary reduction drive, unusual on this size of crane. with a choice of Effer's 600 degree slew or 360 continuous.

Other new models included a further three additions to the light weight Easy power range, launched last year and two prototypes in the 13 tonne metre class, the 1550J-Power and 1750 Heavy duty.



Effer surprised everyone with the number of new products it launched, this is the 305.

Regardless of whether loader cranes are your bag, the models on the Cormagh stand could not but capture your attention. Well known for its over centre designs the company has taken the concept to the extreme in its larger products with up to 160 tonne/metres lift capacity. The units are targeted largely at the machinery moving market. A new mid range model, the 34 tonne/metre, 34000EA.SC was also announced, but will not be available until mid April, the unit uses the same massive two arm superstructure design as the 125, and offers up to 30 metres of height with an optional six section fly jib that can articulate up to 20 degrees above horizontal.

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## Sophistication on a truck

Fassi, the Italian market leader is celebrating its 40th anniversary and used the show to launch a new series of cranes for the future, dubbed "Evolution". The first two models in a range that will eventually cover all of its cranes under 45 tonne/metres are the F240B and the F260BXP. They feature double con rods and Prolink linkage providing consistent lift capacity through the full articulation, while allowing the boom to rise 15 degrees above horizontal. Other features of the new Evolution models are the can bus electronics and "IMC" continuous interchange software, a new S800 valve block, complete with integrated pressure transducer, the ADC dynamic control and new interactive remote control system. All in all a very sophisticated crane.

Other Fassi launches included the F800BXP 80 tonne unit that incorporates many of the new Evolution features, and a new "light" range of cranes, the F22A and F38A replace the F20A and F30A offering 10 percent higher lift



*Amco Veba and Ferrari showed a new one hand low cost remote control developed with Hetric.*

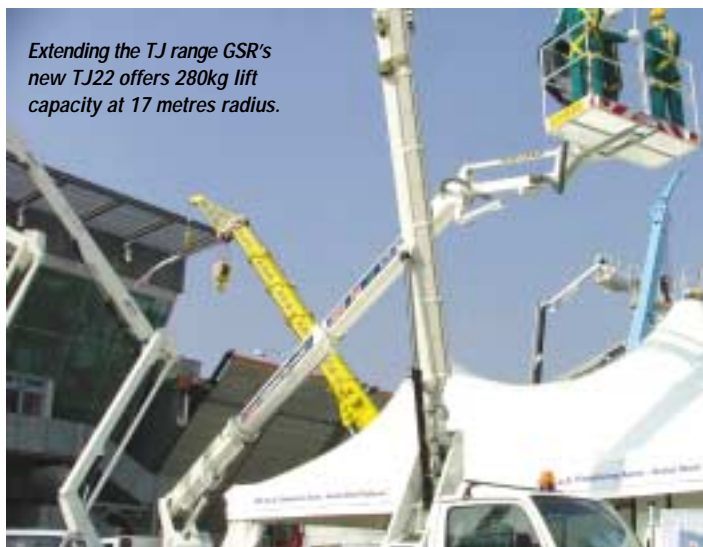
capacities and up to 7.55 metres reach, all in a 575kg total weight. In the same theme, the F50A and F65A replace the old F45 and F60A from late November. Ferrari the loader crane company, saved last year by fellow Italian, Amco-Veba, was celebrating the fact that production

*Galaxy Lion lift showed a new straight telescopic 18 metre, the 18.12.*



has grown by over 50 percent this year and the model range is being rapidly extended. It seems that Ferrari will overlap its range with Amco-Veba as it adds larger units to its traditional lower capacity units. Ferrari announced a new 990A10 unit it is developing to top out its line, with a ten section boom, this unit though is not likely to be seen for another 12 months. Both Ferrari and Amco Veba have developed a new one handed, lower cost radio remote controller in partnership with Hetric. Aside from projects like this and pooled purchasing power, it seems the two companies will operate entirely separately. Ferrari is currently looking for UK dealers.

*Extending the TJ range GSR's new TJ22 offers 280kg lift capacity at 17 metres radius.*





New Fassi products included the first "Evolution" models and the new F800XP

### New access products were thin on the ground

New powered access products were a little thin on the ground, with APEX having stolen the thunder barely three weeks earlier. The completely new products on display were largely limited to truck mounts. Lion lift showed a new Galaxy18.12 straight telescopic 18 metre truck mount, with up to 12 metres outreach and larger versions of its crawler mounted booms.

GSR, sold in the UK as Sky King, had its new TJ 22 truck mounted unit on display promoting the fact that it offers a 280 kg unlimited lift capacity right out to 17 metres, a very useful full size 22 metre lift.

Manitou had some interesting attachments including its boom mounted platform and an RSJ grab.



Pagliari had its new impressive J2385, 85 metre truck mount, on display, towering over the showground, its lower boom has a maximum angle of almost 90 degrees, allowing it to get right in close to a building for fantastic up and over reach. The new 3.5 tonne dual boom low profile MX200 first seen at APEX was also on display in a very sleek black and aluminium colour scheme.

Several of Haulotte's new products from APEX were on show including the new truck mount.



Faraone had a number of new models in its self propelled mast lift range, including a unit with a 90 degree platform rotation and a new model that can be transported in a low roof line van.

The major producers, such as Genie, JLG and Haulotte were all out in force, with the new products launched at APEX, all reported strong interest at the show, in spite of a quiet first day.



Basket's 16 metre Electron battery powered boom

On the electronics side, there was quite a bit to see, one piece of news was that Rental group Rent Up has teamed up with 3B6 to form a new jointly held company, 3B<sup>3</sup>, to commercialise the groups tracking and remote diagnostics device and software. The device integrates fully with its rental software, allowing a wide range of remote machine management tasks.

Hetronic, with its radio remote controls was well represented, not only on its own stand but on many of the crane and telehandler ones too.

*The dates for SAIE 2006 will be October 26th to October 29th, we would highly recommend a visit next year.*

# happy Christmas

This is our last issue in 2005, all of us at the Vertical press would like to thank our readers and all of you who have supported us in 2005.

Whether it be with subscriptions, advertising or editorial input you have all helped us to improve the magazine and online news service.

We wish all of you a very happy holiday and a fantastically prosperous year in 2006.

Many thanks and best wishes,  
**The Vertical Team**

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