

What was hot in Vegas!

This year Conexpo in Las Vegas appears to have disproved many doubters who had expected the show to be a shadow of its former self. And yet this year's event seemed busier than it has been for many years. The unseasonal very hot weather (reaching the mid 80s/29°C half way through the show) may have helped as did the location on the Las Vegas Strip - even with the strong Dollar making it an expensive week there were plenty of overseas visitors.

The show itself was particularly busy on Wednesday and Thursday before tailing off to a very quiet end on Friday and Saturday. The initial crowds added to the general mood of optimism. And with president Trump's promised mega infrastructure investment programme, exhibitors were generally hopeful of a few good years ahead - the America first motto was also more evident with the stars and stripes featuring on a number of stands.

As mentioned in last month's preview, many companies - particularly European - now time their major product launches around Bauma, so there were far fewer global new product unveilings than in prior years. That said, there were

many new and interesting products on display. The layout of the show was also different this year with all of the crane, access and telehandler companies in an extended Gold Lot with its Gold Hall, making it much easier to get around them all.

There were a number of stand-out products, including the JLG dynamic auto levelling boom, JCB's first boom lift, a 46 metre Magni 360 degree telehandler, the 40 metre ACM truck mounted platform from Australia and the electric ZEE Crane carry deck cranes. New HD virtual reality training simulators were also out in force. Here are a few of the highlights.

Liebherr kicked the show off by unveiling its new 81K.1 self-erecting tower crane with a new cab and 20 percent higher capacities compared to its previous version at six tonnes, with a 48 metre maximum radius with a 40.4 metre hook height. The jib can be raised 30 degrees for a maximum hook height of 55 metres. Liebherr also showed its two new RT cranes the 90 tonne LRT 1090-



Link-Belt flying the flag



Liebherr LRT1090-2.1

2.1 and 110 tonne LRT1100-2.1 which we previewed in October. The four axle 90 tonne LTM 1090-4.2 All Terrain received its global launch, with a 60 metre main boom - 10 metres more than its predecessor - and 8.8 tonnes of counterweight with 12 tonne axle loads.

Terex Cranes' president Steve

Filipov has been making changes to engineering, sales and product backup in an effort to halt a downward slide and boost the company's fortunes. It certainly seems to be working with a new eagerness among the guys on the booth.

New Demags included the three



JCB AJ50 D



ACM 400



Liebherr LTM1090-4.2



Terex T110 truck crane

axle 55 tonne AC55-3 and the 60 tonne AC60-3 with automated counterweight rigging system and IC-1 Plus control system. Both have 50 metre main booms which can be lowered to five degrees below horizontal to avoid rigging at height while the AC55 can be configured with 10 tonne axle weights.

Terex expanded its RT range with the 90.7 tonne capacity RT 100US with 47 metre five section boom, 2.95 metre overall width and removable counterweight. The new 100 tonne T110 truck crane with a 60 metre main boom and 65mph road speeds. Virtual reality versions of its new AC45 City and AC300 All Terrains could also be seen and should be ready for launch early next year.



Terex RT 100US Rough Terrain crane



Terex 72.6 tonne capacity Crossover 8000 boom truck crane with 38.4 metre boom

A new Terex 20 tonne SK 452-20 tower crane is based on the SK 415-20 with faster winch speeds, more rope capacity and is said to be easier to transport and set-up.

Genie launched two new XC - Xtra Capacity - booms, the 105ft SX 105 XC and the 125ft SX 125XC with unrestricted capacities of 300kg - 454kg restricted, almost 25 metres of outreach and the ability to work 2.69 metres below



Genie's big booms

ground level. The new booms join the recently unveiled 135ft SX 135XC and all share the new Mini X chassis as does the updated ZX 135/70 articulated boom which is now over a metre narrower. The new booms are all equipped with a new integrated overload system that continuously checks the weight in the platform and adjusts the working envelope to match. A tilt sensor also adjusts the working range based on the slope measured.



Genie ZX-135-70

Manitowoc had a very full stand which included the Grove GMK5150L and GMK5250L All Terrains, making their North American debut, together with



four axle truck crane on the market. The other major launch was the 51 tonne GRT655/GRT655L Rough Terrain crane with 34.8 metre four section and 43 metre five section booms respectively. Chief executive Barry Pennypacker claims the new models were designed from scratch in just six months!

The 20 tonne capacity Potain MD 559 also made its North American debut. The crane has a free-standing height of 81.5 metres and jib tip capacity of 4.4 tonnes on its 80 metre jib.



Grove GMK5250L

the GRT880 Rough Terrain. The company also extended its Grove telescopic crawler range with the launch of its smallest - the 30 ton GHC30 with 25.2 metre three section boom - built by Sennebogen. It takes the Grove tele crawler range to five models. As with the others it can pick & carry 100 percent of its load chart on inclinations of up to four degrees.

Also on show was the new 50 tonne National Crane NTC55 truck crane with compact outrigger spread and a 39 metre main boom. While one of two big unveilings on the stand was the 100 tonne TMS9000-2 truck crane with a longer 51.6 metre main boom and lower overall weight than its predecessor the TMS9000E. Manitowoc claims it is the strongest



Grove GRT655L

JCB unveiled the 50ft AJ50 D articulated boom lift, the first and the smallest of its planned four diesel boom range. Weighing just over seven tonnes, it boasts 160 degrees of jib articulation, 227kg platform capacity. 4x4 drive, oscillating axle and an impressive three joystick digital control panel. All daily checks can be carried out on one side of the machine.



JCB 3TS-8T tracked Teleskid

metre swingaway extension. Finally Tadano launched two new Tadano designed Mantis telescopic crawler cranes - the 60 tonne GTC600 - with 36 metre four section main boom and the 80 tonne GTC800 with 43 metre heavy duty five section boom. Both offer additional reach with a 17.7 metre bi-fold swingaway extension and feature automatic switching to four degree load charts when a slope of two degrees or more is sensed.

Magni Telehandlers kept very quiet about its new record-breaking RTH6.46 SH 45.6 metre/six tonne 360 degree telehandler. Weighing in at 30 tonnes it has a forward reach of 33.5 metres and a capacity at full height of 2,500kg. Powered by a Mercedes Tier 4 final diesel, overall width is 2.54 metres, 8.85 metre length and overall height

There was also a lot of interest in the new JCB wheeled or tracked Teleskid with a four metre lift height and dig depth of 900mm. Forward reach is 2.4 metres.

Several new cranes from **Tadano** included the upgraded ATF 110G-5 All Terrain, with the new AML-F load moment system with automatic variable outrigger set-up, and on-board diagnostics. The 109 tonne/120 ton two axle GR1200XL Rough Terrain with six section, 56 metre boom and 10.1 to 17.7



Tadano GTC-600 telescopic crawler crane



The upgraded Tadano ATF 110G-5

of 3.2 metres with a 7.3 metre outrigger spread.

Sany - which now claims to be the biggest equipment producer in China - launched two new cranes including its largest RT, the two axle 118 tonne SRC8130C with 49 metre five section boom. The crane is available to buy now with zero

percent interest over 48 months and come with a five year warranty. Sany's second new crane was the 260 tonne SCC8260 crawler with maximum boom length of 92 metres. The crane is said to be significantly lighter than its current 300 tonner. The company now has crawler cranes ranging from 65 to



Magni launched its 46 metre RTH6.46 SH 360 degree telehandler

evolution continues...

New IM 122 series

IM 80 series

IM 90 series

TOGETHER WE BUILD

IMER International S.p.A. | Access Platforms Division
Via San Francesco d'Assisi 8 - 46020 Pegognaga (MN) Italy
Tel. +39 0376 554011 - Fax +39 0376 559855
www.imergroup.com

Booth 370 Indoor Area



Sany SCC8260 - its new 260 tonne crawler crane

generation of ActivShield bar, Stop Emissions engine stop/start system which said to reduce fuel consumption by up to 20 percent, while cutting noise pollution while working,

3,600 tonnes, and says two of its largest are currently working outside of China.

Haulotte managing director Alexander Saubot was also in a positive mood stating that the Americas have bottomed out and are in recovery mode, coupled with a stable economic environment around the world. He predicted a good year for Haulotte.

Key new product launches included the 20ft Star 20/Star 8 mast type lift, which uses a similar chassis to the Star 6, but a larger mast and extra counterweight. The new 85ft HT28RTJ telescopic boom, first seen at Bauma China, with the company's latest boom lift developments, including the Activ screen, new



Haulotte's new 85ft HT28RTJ with Activ lighting

and Activ Lighting system for safe night working or loading. The same features also appear on the new 80ft HA80RTJ - HA26RTJ articulated boom which boast a significantly improved working envelope compared to its predecessor. And finally the Star 6 Picker received its US launch as the Star 13 Picking, the company expects a third of all Star 6s produced will be the Picking variation.



Haulotte Star 13 Picking

As well as launching nine new products, **JLG** showed a Concept boom - using a 460SJ top mated with a self-levelling chassis with oscillating axles capable of levelling up to 10 degrees side to side or end to end while travelling. It also celebrated 20 years of hybrid technology with the introduction of the 80ft H800AJ articulated hybrid



Haulotte Star 20



JLG showed two new LiftPods - this is the larger FT140



ZEE Crane 9000

boom lift. The machine uses a much smaller Kubota Tier 4 Final diesel - in place of the Deutz - coupled to a large electric motor which when reversed and driven by the engine becomes a generator that tops up the battery pack. In diesel mode the engine powers the pumps with the 'generator' kicking in when extra power is required for steep inclines or heavy mud etc... As such it is described as a parallel Hybrid system. A substantial AGM battery pack is said to be sufficient to operate the machine for a full shift.

The biggest articulated boom - the 1500AJ - was on the stand together with two new electric Rental scissor lifts included the 40ft/45 inch wide 4045R with both indoor and outdoor rating, allowing it to be driven at a maximum of 28ft outdoors and the 15ft/32 inch 1532R with a platform capacity of 272kg.

JLGs low level access featured two new LiftPods - the FT70 and the FT140 - both with 150kg platform capacities and working heights of 3.99 metres and 5.9 metres respectively. JLG has also entered the 4x4 utility vehicle sector in North America through a partnership with Arctic Cat and showed two models - the three seat 315G and the six seat 615G.

On the telehandler front the company launched its first heavy duty models with the 7,000kg/13 metre 1644 and 7,600kg/9.7 metre 1732 both featuring JLG's new Smart load technology - a bundle of three components including attachment recognition, a dynamic load management information and overload system (LMIS) and load stability indicator (LSI) which work together to limit operation for tricky loads. A new 3.2 tonne/12.8 metre 742 model was also on display.

JLG has also completely redesigned its 600 series booms adding the 600S and 660SJ. The 600S has an unrestricted capacity of 272kg, and a restricted 454kg capacity. The maximum capacity of the 660SJ is up 50 percent to 340kg.

Southern California-based **Zero Emission Equipment Crane** (ZEE

Crane) showed its new battery electric carry deck cranes - the 4.1 tonne 4500 series and 9000 series - with 2.3 metre jib with zero, 25 and 50 degree offsets and an easy to change single to two fall hook block. Options include non-marking tyres, an in-house designed LMI with built in diagnostics and a one-man work platform. The company intends to add other models up to 15 ton over the next few years. The crane was designed by ZEE Crane and is built by its South Korean partner Horyong. ZEE Crane has the sole distribution rights for North and South America with Horyong able to sell in the rest of the world.



JLG 1732 telehandler

Sunward displayed its new five tonne capacity SWTC5C telescopic crawler, the smallest in a range that extends to 75 tonnes. By the end of 2018 it intends to add three and nine tonne capacity models to the smaller end of the range.



Sunward showed its new five tonne capacity, 15.6 metre boom SWTC5C with Tier-4 final engine

Snorkel and **Xtreme** were on home turf being based in Henderson, just outside Las Vegas and boasted its largest exhibition stand ever, designed and built by sister company Xtreme Cube. With 23 Snorkel machines and 12 Xtreme

BUILT FOR THE WAY YOU WORK



CTT 162-8 Flat Top | Max lifting capacity of 8 t with 2 t at the end of the jib

With a range of features and styles, Terex tower cranes are ready for lifting duties, from small residential areas and crowded cities to infrastructure projects.

Contact us to learn how we can work for you.

www.terex.com/cranes

Designed with you in mind:

- ▶ Easy transport and quick setup
- ▶ Developed for the most demanding conditions
- ▶ Cab design focuses on operator comfort and ergonomics to reduce fatigue and increase productivity
- ▶ Customized jobsite planning by our experts



Ask about our full range of tower cranes.



TEREX®

WORKS FOR YOU.™



The 2.5t/6m Snorkel SR5519 European-style compact telehandler

telehandlers it included several new products including the first Snorkel telehandler, the SR5519 5.8 metre/2,500kg European-style compact model which should go into production towards the end of the year. Xtreme showed its new 10,000lb/56ft XR1056 with four-section roller boom, Cummins engine and ZF transmission and axles.



Snorkel TM16E

Also on the stand was a new ultra-low entry height 19ft/30 inch wide all electric S3019E slab scissor lift, achieved by sinking the scissor stack into the base of the chassis - the only hydraulic part of the machine is built into the lift cylinder. The S3019E should be available early next year.

The show was also the launch point for the new 16ft TM16E mast type lift, with production due in the autumn. An even higher version - probably a 20ft model - is planned for next year. Snorkel also showed its new ML18C material lift launched a week earlier at the ARA.



Stros Nov 515 F3 battery personnel and material hoist

Czech Republic hoist manufacturer **Stros** launched a new battery powered personnel and material hoist - useful in countries where there are problems of freezing conditions. With a 500kg lift capacity the hoist has a rated speed of 35 metres a minute with mast ties every 12 metres. Maximum free standing height is nine metres. On a single charge the car is able to travel 800 metres although Stros is looking to install charging points as the car stops at various floor levels.

Skyjack showed the all-new 86ft SJ85AJ articulated boom trucked directly from the Rental show in Orlando, with its true parallel riser and dual 340/227kg platform capacity. The company also unveiled its latest telehandler - the 17 metre/5.4 tonne SJ1256 TH - with Deutz TCD3.6 Tier 4 Final engine with DEF fluid, but no diesel particulate filter.



Skyjack's new SJ85AJ boom



Skyjack's latest telehandler - the SJ1256 TH

Italian tracked scissor lift manufacture **Almac** used Conexpo for the global launch of its new larger model the 27ft Bibi 1090 EVO with Honda, Hatz or electric power and on the move levelling. Reachmaster also launched the 33 metre Ruthmann Eagle T-108A with 20.5 metres of outreach. The company brings in the Ruthmann top from Germany and mounts it on a Ford F650 chassis to create a medium reach truck mounted lift that can be driven on a standard car driver's licence in the USA.



Almac's new Bibi 33BL-Evo with 10m working height and up to 20 degrees levelling



Ruthmann/Reachmaster T 108 A

Link-Belt launched its largest telescopic crawler crane so far, the 227 tonne TCC-2500 with seven section, 67.9 metre pinned main boom which can be further extended with a three piece - 3.6, 12.1, and 20.4 metre - bi-fold extension with up to 45 degrees of offset that can be further extended with two 7.62 metre inserts for a maximum tip height of 105.5



Versa-Lift launched its new 1725 with extendable counterweight and almost seven metre lift height



Also new was the 109 tonne, 120 ton two axle Tadano GR1200XL with six section, 56 metre boom and 10.1 to 17.7 metre swingaway extension



Link-Belt 227 tonne TCC250 telescopic crawler crane



The all-new Link-Belt 75RT

metres. It also had the new 227 tonne 298 HSL lattice crawler and the all-new 75RT - the first in a new generation of Link Belt Rough Terrain cranes.

Here is a pictorial view of the remaining interesting and new products at the show.



The covers coming off the Grove TMS 9000-2



JMG pick and carry cranes



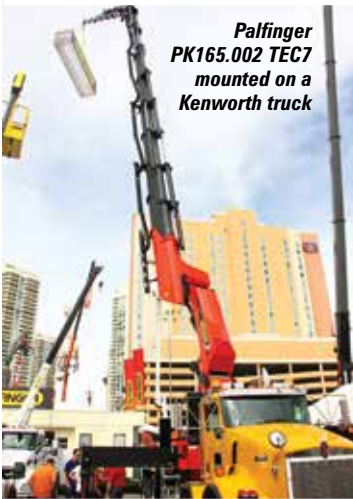
Dinolift 87RXT



The Vortex training simulator from cm labs



Chilling out



Palfinger PK165.002 TEC7 mounted on a Kenworth truck



Little Giant showed a wide range of step ladders



A 50 ton Shuttlelift wheeled carrier



The Maeda stand



The JCB Teleskid is available with either wheels or tracked - above is the 3TS-8W



Semi-trailer manufacturer Faymonville acquired heavy duty modular trailer manufacturer Cometto



Skytrak 10054 telehandler



Lige - acquired by JMG - redesigned its range last year and produces cranes with capacities from two to 110 tonnes



Time Versalift showed its 56 metre PHX-180-I



MEC was celebrating 40 years in the business



Link-Belt 227 tonne 298 Hylab Series 2 crawler



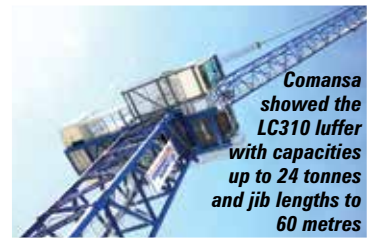
Anderson underbridge inspection platform



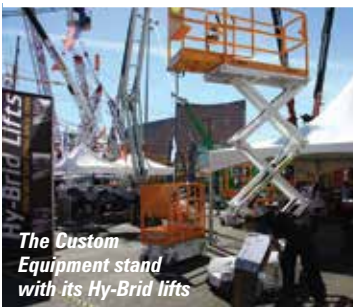
Probably the biggest articulated trailer platform at the show - the 65ft Haulotte 6543A



The Manitowoc MLC650 equipped with the VPC-MAX attachment seen for the first time at a trade show



Comansa showed the LC310 luffer with capacities up to 24 tonnes and jib lengths to 60 metres



The Custom Equipment stand with its Hy-Brid lifts



Xtreme XR7038 with a 31.7 tonne capacity



Teupen was showing its TC69A with aluminium boom and 46,000V insulated basket



Sennebogen was out in force but with material handlers rather than cranes



Potain HUP 40-30



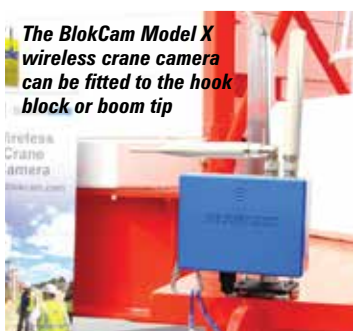
Two of JLGs new scissors - the 1532R and the 4045R



Skyjack Accessoryzers pipe carrier



Effer 505-6S



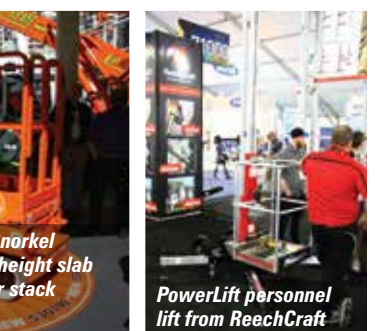
The BlokCam Model X wireless crane camera can be fitted to the hook block or boom tip



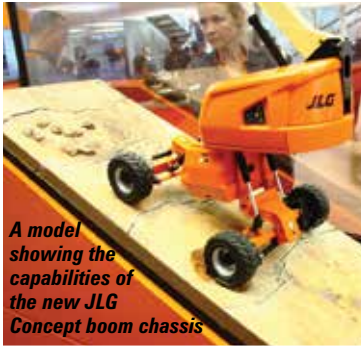
IPAFs lift safety zone



The prototype all-electric Snorkel S3019E 7.6 metre working height slab scissor with sunken scissor stack reducing step-in height



PowerLift personnel lift from ReechCraft



A model showing the capabilities of the new JLG Concept boom chassis



Demag AC 220-5 five axle AT crane



Enerpac gantries



Prinroth Panther T8 tracked carrier - fitted with an Atlas loader crane - has a 7.2 tonne payload and a 10 km per hour maximum speed



SkidCrane is a crane attachment for skid steer loaders that can lift 2,267kg to 13.1 metres



Bluelift 26 metre B85 Combo with lithium ion combined with gas or diesel engine



A JCB scissor and Teleskid during the 'dancing digger' display



Bocker distributor Century Elevators was showing a range of equipment



Manitowoc showed its new version of the 300 tonne MLC300 with fixed two-position counterweight tray



Bailey Cranes stand



Manitec M150 15 ton pick and carry crane with 19.1 metre boom



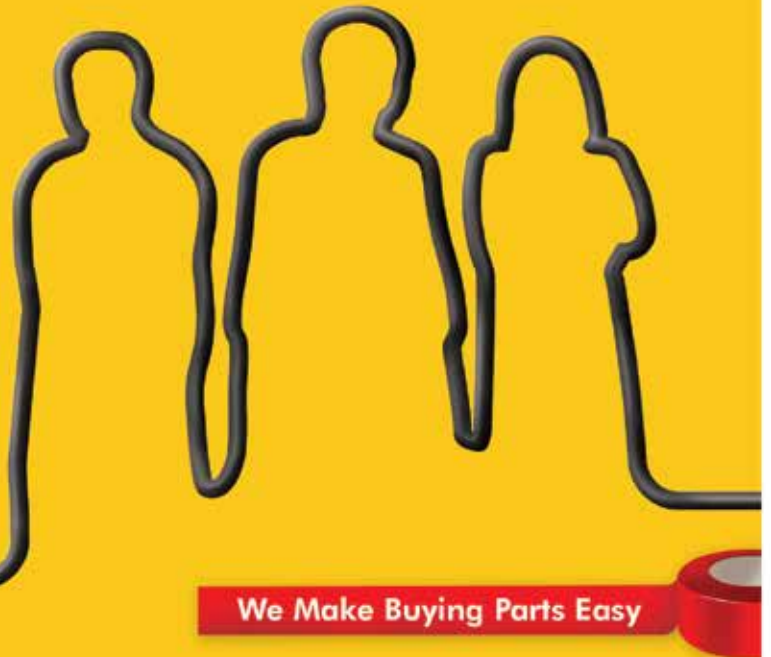
Part of the Merlo telehandlers stand



Giant 4548 Tendo HD with 4.8 metre lift height and 2.1 tonne maximum lift capacity

REAL PARTS PEOPLE

At IPS we believe in building meaningful customer relationships at every level... whether that's sourcing that obscure part, sharing our technical know-how or walking you through your first online parts order. Whatever it is, you can trust us to deliver.



We Make Buying Parts Easy

0845 108 4000 | ipspartsonline.com

Next Day Delivery | All Major Brands | Technical Assistance

