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Stand FS1203/3



Bauma preview- part 2

C&A

Bauma 2016



Last month we featured part one of our Bauma 2016 product preview, this month we conclude the preview highlighting more new products that are expected at the show.

Bauma is THE major international equipment show - twice the size of Conexpo and Intermat - with many manufacturers using it as a major launch-pad. Because of this there will be lots of new products unveiled at the show that are not featured in our previews. These will be covered in the show review in the April issue of *Cranes & Access*.

Dieci telehandlers

Italian telehandler manufacturer Dieci's stand will include the new 30 metre Pegasus 45.30 and two telehandlers - the I 12.56 and I 9.44 - aimed at the North American market.

The Pegasus 45.30 has a maximum

lift height of 30 metres and 4.5 tonne lift capacity. Powered by a 127kW FPT Tier IV coupled to an electronically controlled hydrostatic transmission, the unit has larger fuel tanks and an improved hydraulic system. Features include automatic attachment recognition, optional remote control and automatic outrigger levelling. Inside the cab there is a new colour touchscreen dual display with diagnostic display and a new Smart navigation system for the main electronic functions of the machine such as driving modes, minimum RPM control, forward speed and diagnostics.

The 17 metre I 12.56 and 13.3 metre I 9.44 utilise a totally new boom design giving lift capacities of 5,450 and 4,497kg respectively. Power is supplied by a Kubota Tier 4i engine and a top speed of 30km/h.

Airo

Airo will unveil a new 105ft telescopic boom, the T34 JRTD designed with shipyard applications in mind. Designed primarily for the Chinese market the unit has an articulated jib, a working height of 34 metres and up to 24 metres of outreach. A 98ft version without jib will also be available. The lift has extending axles, four wheel steer, 180 degrees of platform rotation and 450kg maximum platform capacity. Powered by a Tier IV water cooled Deutz it will be built by Airo both in Italy and China.

Airo will also show its new secondary guarding system for booms - Sentinel - and SAFE (Self



Dieci Pegasus 45.30

Adjustment From Entrapment) a two-part scissor anti-entrapment device.

Sumner

Sumner will show two new products - the Sumner 2500 series counterweighted material lift and the 2600 series Heavy Duty material lift. The 2500 series is available in four models with heights from 3.5 to 7.5 metres and capacities from 300 to 455kg. Aimed specifically at rental applications the unit breaks down into two component parts for easy transport. The 2600 series is the company's largest aluminium material lift to date and can lift 500kg to a maximum height of 4.6 metres.

BKL Baukran Logistik

Munich-based crane company Baukran Logistik - BKL - will show several new self-erecting tower cranes from Italian manufacturer Cattaneo, including the 33 metre, four tonne capacity CM 82S4 and the 28 metre, 2.5 tonne capacity CM 280 both featuring a steerable high speed axle. The CM 82S4 has a maximum hook height of 21 metres and takes up a space just 5.1

metres square. The CM 280 can lift 2.5 tonnes at 12.1 metres and has a maximum tip load of 900kg.

BKL will also show the Cattaneo high speed steerable axle on the 27 metre CM 271. Also available for stationary cranes as a semi-trailer version, the 80 km/h axle can be electro-hydraulically steered via the remote controller.

Sumner will show two products



BKL will show several Cattaneo self-erecting tower cranes



Böcker

Böcker will show several new cranes and construction hoists. New truck-mounted cranes will include the compact AK 37/4000 mounted on a 7.5 tonne chassis. Maximum capacity is four tonnes, while it can handle 250kg at full reach on its 37 metre boom. The crane features automatic levelling and new remote controls with full-colour display with up to four wireless cameras.

The new AK 46/6000 aluminium crane is mounted on an 18 or 26 tonne truck with a maximum capacity of six tonnes and 46 metres of reach. It can take 250kg to almost 40 metres and one tonne to 26 metres.

Böcker trailer-mounted cranes on show will include the new AHK 30/1500 KS and AHK 36/2400. Class leader AHK 36/2400 has a maximum boom length of 36 metres and 2,400kg maximum capacity. The smaller AHK 30/1500 KS has a 1,500kg capacity and 30 metre boom. Both are fitted with a swivel drawbar to reduce the overall length during moving or setting up. The

36/2400 is also available with a crawler chassis.

The new Superlift MX 324 and LX 4024 construction hoists will also be on display. The MX 324 passenger/material hoist is a compact, light-weight and easily assembled lift is particularly suitable for confined building sites for heights up to 100 metres and capacities up to 300kg at a speed of 24 metres per minute. The 4,000kg Superlift LX 4024 can be built to 250 metres.

Holland Lift

Holland Lift will show six scissor lifts, three of which are new, including the HL-220 H25 and HL-190 H20 hybrid models and the diesel only HL-190 D20. The HL-190s have working heights of 18.8 metres with 550kg platform capacity. The HL-220 H25 has a working height of 21.7 metres, 750kg platform capacity and is rated for indoor and outdoor use.

Also on show will be the 21.7 metre narrow battery electric HL-220 E12, the 27.2 metre HL-275 H25 hybrid and the all electric 33 metre HL-330 E14.



Böcker will be presenting the MX324, a new modular design passenger and material hoist



The new Böcker truck-mounted crane AK 46/6000 has a maximum load capacity of six tonnes



Look out for three new Holland Lifts

Grove

In addition to its new 90 tonne Rough Terrain crane (see part one) Grove will launch a new four axle, 100 tonne GMK4100L-1 with greater lift capacities and more compact dimensions. The new crane offers a load chart said to be almost seven percent better than the crane it replaces, when equipped with its maximum 26.2 tonnes counterweight. The crane can carry 6.7 tonnes of counterweight and still meet 12 tonne axle loadings. In this configuration the load chart is said to be 9.3 percent better than the previous model.

The 60 metre main boom can be extended with an 18 metre telescopic swingaway extension with up to 45 degrees of offset, an eight metre extension adds a further 26 metres. Overall width of 2.55 metres, compared to the 2.75 metres of

its predecessor and is half a metre shorter. Power comes from a single Tier IV Final Mercedes.

The company is also expected to unveil an all-new 150 tonne five axle GMK 5150 but at the time of going to press details were scant.

Liebherr

Liebherr is to show the prototype of its 100 tonne capacity LR 1100 crawler crane which should be available for sale next summer. The new tubular structural design is said to provide improved lifting capacities which can be increased 20 percent using the optional



The new Grove GMK4100L-1 is half a metre shorter and only 2.55 metres wide.



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Holland Lift presents its new smart models: HL-160 and HL-190. The concept is designed for tailored efficiency. A modular system with various options: 16 or 19m high, electric, diesel or hybrid; the base of the machine always remains the same. These scissor lifts have attractive exploitation costs and a high return on investment. And whatever configuration you choose, Holland Lift quality, safety and durability are as always part of the deal.

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The 100 tonne capacity LR 1100 crawler crane.



hydraulically powered suspended counterweight.

Available with a fixed or luffing jib, the LR 1100 will be equipped with a 230kW stage IV/Tier 4f diesel, and is said to be extremely easy to transport. The weight is low enough for both the boom base section and tracks to remain on the crane during transportation.

Maeda

Maeda will unveil its new six tonne CC1485S-1 mini crawler crane. The crane - which features the new CC nomenclature, replaces the LC1385 and features a 16.7 metre boom with rear view camera and seven inch monitor as standard. Power is supplied by an EU Stage 3B compliant engine which Maeda claims is 40 percent more fuel efficient. The new swingaway extension is also said to be more user-friendly and easier to use. Other features include a fully enclosed air-conditioned cab with link sliding door, two speed winch,



Maeda will show its new six tonne capacity CC1485S-1 mini crawler crane.

hydrostatic transmission, four fall/two fall hook block, tilt sensor/ alarm, hydraulic disc brake and new heptagonal five-section boom.

CTE

Aerial lift manufacturer CTE will show its new range of B-Lift truck mounted platforms and unveil a new truck mounted outrigger system named S3 (Smart Stability System) which automatically adapts in real time to the conditions of use, including platform load and geometry. A 39 metre B-Lift 390 High Range truck mounted lift will also be on display, its three section boom, two section upper boom and articulated jib with 180 degrees of articulation, offers 600kg platform capacity with 180 degree platform rotation. The B-Lift 390 includes variable outrigger set configuration and is the smallest of the CTE High Range with runs to working heights of 61 metres.



Sennebogen

As well as its two new lattice crawler cranes and 50 tonne telescopic crawler Sennebogen will unveil three new compact crane models - the 30 tonne 630 HD and 40 tonne 640 HD duty cycle cranes - and the upgraded 16 tonne capacity telescopic 613. The 613 has a full-power 18.8 metre main boom and five metre bi-fold swingaway extension. The completely redesigned operator's cab will be fitted on all small Sennebogen cranes as standard in the future. Overall width is 2.55 metres.

The E series 640 HD duty cycle crane is aimed at underground construction and features two 12 tonne free-fall winches with 16 tonne options available. The 30



show off three existing tower crane models - one luffer and two flat-tops. The company says it will also provide more information on its new 21LC450 flat-top crane, redesigned cabs on the LC2100 series and its new luffing-jib crane. On show will be an 18 tonne LCL280 luffer, the 21LC750 and 11LC160 flat-tops.

The new SENNEBOGEN 630 and 640 duty cycle cranes of the E-Series are ideal for a variety of applications ranging from special underground engineering to mining.

tonne 630 HD fitted with a rope grapple or dragline bucket, has a maximum boom length of 35.5 metres and various jib options. The Maxcab comfort cab can inclined up to 15 degrees or elevated by 2.70 metres in order to provide a better view of the attachment and the work environment.

ATN

ATN will unveil a new 12 metre mast boom with telescopic jib - its largest mast boom to date. The new model - the Piaf 1200 R - has all electric controls, rather than the hydraulic controls used on its smaller models. Overall width is 1.2 metres, height 1.98 metres and length 3.66 metres. Outreach is five metres and the machine has an 800mm x 1.1 metre platform with 200kg capacity. Total weight is around 4,250kg. It will also show an upgraded Zebra 16.

Linden Comansa

Sharing a stand with its partner BKL, Linden Comansa is aiming to launch a new luffing jib crane later in the year, but will use Bauma to



Linden Comansa will be launching a new luffer

Tadano Mantis

Tadano will introduce its new CE marked, 80 tonne GTC-800 Mantis telescopic crawler crane which will be available globally later this year. The GTC-800 is the second in the GTC series - joining the 120 tonne GTC-1200 - and features a full power five section 43 metre heavy duty main boom designed to handle out-of-level, pick & carry and foundation work. A 10.1 to 17.7 metre bi-fold swingaway extension with offsets of 3.5, 25, and 45 degrees is also available. An optional 2.5 metre heavy lift jib with



ATN will unveil a new 12 metre mast boom with telescopic jib - its largest mast boom to date



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a maximum capacity of 21.4 tonnes that offsets at 3.5 and 30 degrees is also available.

The GTC-800 can work - with reduced capacity - on slopes up to four degrees with automatic out of level load chart switching which incorporates Tadano Mantis' 1.5 degree slope allowance. The crane has track width sensing and three working track widths ranging from 3.59 metres to 5.42 metres. Power is provided by a 211kW Cummins Euromot stage IV, Tier 4f. Two-speed track drive provides a maximum speed of 3.6 km/h and a maximum unladen gradeability of 78 percent.



The 80 tonne GTC-800 Mantis telescopic crawler crane.

Cone Drive

Precision motion control and worm gear manufacturer Cone Drive will display a range of products such as slew gears and bearings from its recent acquisition of H-Fang. The company will also introduce its new distributor for the UK, Germany, Austria and Switzerland Rodriguez.



A Cone Drive slew ring.

Easy Lift

Italian aerial lift manufacturer Easy Lift will show its new 15 metre spider lift, a hybrid version of its 36 metre spider and a new 15 metre van mounted platform and may just have its new 26 metre spiderlift on the stand? See page 11 for more details.

Link-Belt

Link Belt will launch its new, four axle 100 tonne HTT-86110 Telescopic Truck Terrain crane with all-wheel steer and super single tyres. The crane - said to offer some of the advantages of an All Terrain without the cost and complexity - includes the usual four mode steering found on most ATs giving a turning radius of less than 8.3 metres. The crane has a six section, 50 metre pinned main boom, plus a 17.6 metre bi-fold swingaway extension with offsets of zero, 15, 30 and 45 degrees. The crane features an easier method of erecting and stowing the extension, reducing the need for a ladder. The extension also includes an integrated three metre short extension that can take up to four parts of line and handle up to 21.7 tonnes. Two additional 4.9 metre lattice inserts

Easy Lift will show a 15 metre van mounted platform - the EV150 - seen for the first time on a 3.5 tonne Ford Transit chassis



As well as a new hybrid R360 Easy Lift is launching a 15m and a 26m spider lifts



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Link Belt will launch the HTT 86110 at Bauma

take the maximum tip height to 79.7 metres.

The unit can run at 11 tonne axle loadings, and remains under 12 tonnes when fully equipped with 1.8 tonnes of its standard 7.2 tonne counterweight. An optional 22 tonne counterweight is also available. Top road speed is 60mph.

Also on show will be Link-Belt's RTC-80150 Series II, new 100RT and new TCC-1400.

Danfoss

Danfoss Power Solutions will have a live demonstration of the latest telematics offerings from its European Application Development Centre in Nordborg, Denmark, the company will also focus on recent innovations in both system solutions and components. These include demonstrations of the new MP1 closed circuit axial piston pump, the new JS1 joystick platform and expanded line-up of mobile machine displays, steering innovations, and new valve solutions.



The Giant 4548 Tendo

Magnetek

Digital power and motion control systems company Magnetek will show a variety of wireless controls, ranging from the full-featured XLTX transmitter to the handheld Flex Pro or Flex VUE transmitter with informative display.

Giant

Check out the Giant 4548 Tendo compact telehandler on the Giant Machinery stand, it weighs less than three tonnes and has a 4.8 metre lift height. Overall length without bucket is 3.15 metres, width 1.57 metres and height 1.97 metres. Power is provided by a 33kW Kubota diesel.

Socage

Italian manufacturer Socage will have a wide range of models on show, the largest being the 75 metre forste 75 TJJ truck mounted platform with up to 40 metres of outreach. The 15VTJ is a 15 metre van mounted lift. Also look out for its E series 3.5 tonne truck mounts with X chassis construction and 300kg platform capacity. Produced in collaboration with Austrian manufacturer of ultralight chassis Welser the range includes the 21 metre 21DJ double articulated with jib and the 20 metre 20TJ telescopic boom with jib. Socage will also show a new and lighter version of its 28D mounted on a 3.5 tonne chassis.



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Genie

Genie will use Bauma for the worldwide launch of its new Fuel Electric Z-60/37FE hybrid version of the new Z60/37 unveiled at the recent ARA/Rental show. Based on the full electric machine the hybrid adds a 24hp Tier 4 Final /Stage IIIB diesel powered generator to top up/recharge the battery pack or boost machine performance. Specifications are the same as the all-electric model with 20.16 metres of working height, 11.14 metres of outreach and a 7.4 metre up-and-over clearance. The standard jib has 135 degrees of articulation while platform rotation is 160 degrees. Maximum platform capacity is 227kg and the machine is equipped with three entry points. Total transport weight is 7,756kg with an overall stowed length of 8.15 metres.

The generator is able to fully charge depleted batteries in around four hours, but is also able to provide power directly to the AC wheel motors, boosting that available from the 48V battery pack, helping the lift cope with steeper inclines or particularly rugged terrain.

Terex Cranes

While Terex is keeping the lid on the major new All Terrain cranes it plans



Genie Z-60/37FE

to unveil, it will show a new 80 tonne capacity Rough Terrain crane aimed at the global market as well as launching the CTT332/16 tonne capacity flat-top tower crane. The stand will also include an updated 40 tonne capacity AC40-2, a three axle Challenger and updates to the five axle family of All Terrains. But also of interest will be a change in its product branding moving forward.

Klubb

Klubb launched its new range of van mounted platforms in February and will unveil two more van mounted models at Bauma, taking its range to five machines from nine to 15



Klubb has a new five model range of van mounts

metres. The new lifts are the 13.8 metre K38P with an articulating jib, and the K42P 15 metre model.

These will join the 11.8 metre K26 - designed for a short wheel-base or cutaway van with an outreach of 6.8 metres - the K32 a 3.5 tonne, 12.5 metre one-person platform without stabilisers, and the 9.2 metre K21 mounted on a 2.8 tonne Renault Traffic. All three have a similar two section telescopic boom with variable length fixed jibs.

Dingli

Leading Chinese aerial lift manufacturer Dingli will show its upgraded 13ft self-propelled micro scissor lifts - the JCPT0607DCI and JCPT0607DCS - which will replace the current JCPT0607DC. The two new models are almost identical, apart from the 'industrial' version which features smaller rear drive wheels and casters on the front steer axle to allow absolute zero degree turning. Both models have been third party tested and approved as compliant with to the latest EN280 and Ansi standards. Both models offer a maximum

working height of 5.9 metres with a platform capacity of 240kg. Expect to see a full representation of its wide product range, but this will also be an opportunity to learn more about its investment in telehandler manufacturer Magni and its plans for a European boom lift line.



Dingli 13ft micro scissor

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