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Bauma 2010

Three years in the planning and this year's Bauma exhibition in Munich - the largest construction equipment show in the world – was set to break all records. Then a puff of Icelandic 'Eyjafjallajokull' volcanic ash effectively scuppered tens of thousands of international visitors. Not only did overseas visitors struggle to get to the show, but more than 80 exhibitors - mainly from China and the USA - were also prevented from attending with many exhibits remaining in their packaging for the whole show. Final figures suggest 415,000 visitors attended, 17 percent less than in 2007.

As flights came on stream from Wednesday night onwards the overseas contingent increased and by the weekend – it was almost business as usual. At times, the crowds were so large it was difficult to make any headway. The primary area of congestion was around the Liebherr stand, the most imposing, impressive and dominant stand ever seen at a Bauma. It is said that Willi Liebherr wanted to make a statement – and that he certainly did. The biggest talking point of the show was the cost, with

everyone guessing what it was while Liebherr were most certainly not letting on. Several other external stands stood out – Sennebogen with its largest Bauma stand ever to launch its new 'green' corporate branding, Aichi with a substantial wood structure with distinctive Japanese feel, Holland Lift had a great beach cabana and IPAF had a large interactive theme park stand.

Despite the bitter disappointment over the lack of overseas visitors, the amount of new equipment on show was amazing. Almost every



manufacturer had some new product news – some more radical than others. GG Cranes' twin jib tower crane dominated the northern area skyline, stimulating debate for and against. For sheer size and audacity of design, the crane must be applauded. CTE unveiled its MP20:13 Multi-Purpose platform with elevated slew ring which generated a similar level of discussion. And the product that summed up the show? It has to be the 10 metre high, 111 tonne hook block from Liebherr's new 3,000 tonne capacity LR13000 – amazing.

Liebherr

With such a huge stand it is difficult to know where to start. Five new crawler cranes included the 100 metre boom, 1,200 tonne LTR 11200 telescopic crawler crane on a narrow undercarriage targeted at wind farm erection, where it can travel between turbines with full counterweight and luffing jib. Its much smaller brother was the new 40 metre boom, 60 tonne LTR1060. The new 300 tonne LR1300SX with newly developed, eight metre, 117 tonne capacity heavy jib for assembly and maintenance work on wind turbines, combined with the 113 metre main boom for a sheave height of 123 metres which can



The 111 tonne 10 metre high hook block from the new LR13000

handle 42 tonnes. The HS 895 HD is the flagship of the duty-cycle crawler crane series and aimed specifically at maritime duties. The company also unveiled its revised four model telehandler range with lift heights of 10 and 13 metres and lifting capacities of 3.5 and 4.5 tonnes. The most



Part of Liebherr's impressive stand - inside looking out



Liebherr's new 81 K cab



Liebherr LTC 1045-3.1 with elevating cab

noticeable feature was a new boom profile with larger cross-section and rounded wear pads, making it more suitable for shovel work.

Three new tower cranes included the 280 HC-L 12/24 Litronic luffer, the 285 EC-B 12 Litronic flat-top and the 81 K self erector. The 280 HC-L slots between the 180 and the 355 HC-L and will be available in three variants with maximum lifting capacities of 16, 24 and 28 tonnes. The model on show had a 24 tonne capacity at 60 metres radius and can be used for both internal climbing (lift shafts) and externally using the compact 1.9 metre by 1.9 metre 355 IC climbing tower system. The new 285 EC-B 12 tops the company's flat-top crane range at 285 metre/tonnes.

The 81 K supersedes the 71 K with significantly improved lifting capacities – up to 25 percent better

in some areas. A new feature in this class of crane is the fully double-reeved operation allowing it to operate at maximum speed and load. The new fast erecting crane proved surprisingly popular with a substantial number of orders booked at the show.

In the mobile crane range, the 45 tonne capacity, three axle LTC 1045-3.1 city crane was clearly the star of the show. Its innovative moveable single cab on a telescopic boom can also be specified with elevation for a better view when loading.

Manitowoc

Manitowoc adapted to the current market slowdown with a more modest stand, where it launched its new six-axle All Terrains – the 300 tonne GMK6300L and the 400 tonne GMK6400. Although aimed at different applications, both have common features including a new carrier cab offering more space and greater visibility and five outrigger settings for maximum flexibility.

First to market later this year will be the GMK6300L with its seven section Twin-Lock 80 metre long main boom. The 6300L will lift 12 tonnes on its full main boom and for further reach, a 37 metre jib is available (not the 29 metre announced in January).

The 400 tonne GMK6400 features an innovative single engine power source, 60 metre main boom and new self-rigging Mega Wing Lift attachment. Luffing jib length will be around 79 metres giving a maximum tip height of 136 metres.

Also on the stand was the 40 tonne TMC540 truck crane with 31 metre four-section boom and 13.7 metre offsettable swing-away extension on a four-axle Scania chassis. With a GVW of less than 32 tonnes it can travel without special permits in its target markets.

Manitowoc also launched the first of Potain's new High Performance winches - the 75 HPL 30 - which



Manitowoc Cranes president Eric Echhart in the new ultra cab



Grove TMC540 truck crane



The seven axle 300 tonne Grove GMK6300L

can reach speeds of up to 225 metres per minute when working on two falls. Single line pull is 3,000kg and the company claims it is the first in its class to break the 200 metres per minute barrier. It will be offered on a range of Potain tower cranes.

The world's largest self-erecting crane – the eight tonne capacity Potain Igo T130 – also made its debut. Sharing its main features with the Potain GTMR 386, the Igo T130 offers a number of improvements including easier transport and lower power consumption. It can take its eight tonnes maximum capacity to a radius of 18.6 metres or lift 1.4 tonnes at 50 metres.

The new Ultra View operator's cab was also shown for the first time, a key design change is the relocation of the electrical control panel to a

dedicated space outside and behind the cab, freeing up space for a small table. The cab is also said to be safer and easier to rig, thanks to its ground level screw-in slinging points.

Terex

An impressive Terex stand included several new cranes and telehandlers. Main attraction was the much anticipated, nine axle 1,000 tonne capacity AC1000, said to be the world's most powerful 'boom-on' All Terrain crane. Its two 50 metre 'boom in boom' arrangement gives a 100 metre maximum main boom which can stay on the crane where 16.5 tonne axle loads are permitted such as the UK.

Terex also claims that the AC1000 can be rigged faster than any other crane in its class, thanks to its patented luffing jib rigging system, which minimises the requirements



Some of the Liebherr tower crane exhibits



The 400 tonne Grove GMK6400

King Lifting's Tristan and Kieron King (centre) travelled to Bauma and finalised the deal with Terex Cranes' director of sales, Europe Barry Barnes and UK regional sales manager Mark Evans



Terex AC1000

for working at height. The crane cab is equipped with an integrated IC-1 touch-screen control system which provides information on wind speed/direction, hook load, nominal load capacity, reach, boom length, as well as calculated and actual outrigger loads.

Also new was the 100 tonne AC 100/4 L long boom, the CTL 440-24 luffing jib tower crane and new carrier and crane cabs for its AC range. Terex says it completed a number of deals at the show including an AC350/6 and two AC40/2 Ls to UK-based King Lifting. The new 350 tonne with 64 metre main boom AC350/6 has a 72 metre luffing jib giving a maximum combination of 125.7 metres.

Sennebogen

Sennebogen had four interesting new machines – the 60 tonne, 42 metre HPC 60 truck crane, the 70 tonne R673 crawler telescopic, the 280/300 tonne 7700 crawler and the 20 tonne, 620HD duty cycle crawler crane.

Dominating the stand was the new Star Lifter 7700 with 140 metres of boom and jib. A key feature of the new crane is its ease of transportation and rigging.



The folding boom 620HD

The 620HD is a compact 20 tonne duty cycle crawler crane based on a folding boom crane that Sennebogen last built around 20 years ago. The crane's main feature is its ability to hydraulically fold the main boom (up to 12 metres long) backwards with the maximum 10 metre long fly jib over the A frame.



HPC 60

The crawler undercarriage can extend from 2.75 metres to four metres, while transport height with the folded main boom is just 3.13 metres or 3.5 metres with the main boom and fly jib. The 620 is also available with a wheeled undercarriage which weighs a tonne less at 22.5 tonnes.



Sennebogen 300 tonne Star Lifter 7700 crawler crane

JCB

JCB unveiled three new telehandlers with the 515-40 - the re-named Miniscopic - the smallest JCB telescopic handler ever at just 1.8 metres high and 1.56 metre wide. The compact 527-58 at two metres high and two metres wide – and the five tonne capacity, eight metre lift height 550-80. While the company said it is working on new telehandlers it would not be drawn into saying whether a 360 degree

model is on the cards. JCB also made news at the show when it won a court injunction to have three products of "Far Eastern manufacturers" removed or covered up from the show for copyright and patent infringements. Preliminary injunctions were served against one telehandler company, believed to be XCMG and two loader backhoe manufacturers.



JCB 527-58

GG Crane

The 42085 e-Tronic double jib tower crane from Belgium-based GG Crane Group certainly created a lot of interest. As well as visually dominating the northern area with its twin 85 metre jibs, the helicopter-like sound of the twin propellers certainly made you aware of the crane's presence.



GG Crane's 42085 e-Tronic double jib tower crane

Individual jib lengths range from 60 metres to 150 metres, giving a maximum span of up to 300 metres on the two metre square tower. The GG Crane was built by German tower crane manufacturer Wilbert using around 90 percent standard Wilbert components.

Patrick Gillis of GG Crane claims a number of advantages to the design, including productivity gains of up to



JCB 515-40

rear of the machine using the upper boom only to a height of 13 metres. Putting the outriggers down, using the platform mounted controls allows the lower boom to be raised and telescoped, converting it to an articulated boom with an up and over height of 8.9 metres and around nine metres of outreach. In all cases the unit has zero tailswing and totally flexible outrigger



CTE 20.13 MP

c&a

Bauma

Terex CTL 440-20 luffing jib tower crane



Patrick Gillis CEO GG Crane

50 percent, better lift capacities and reduced energy consumption. The model on display had a 16 tonne maximum capacity with 2.2 tonnes at 82.5 metres radius.

CTE

Advanced information on CTE's new 23 metre Traccess 230 spider lift created a lot of interest ahead of the show, however no-one, expected the new 20.13 MP – a 20 metre 3.5 tonne truck mounted platform with telescopic riser and boom with a slew ring mounted on top of the lower boom. The MP can be used without stabilisers over the



Out with the UpRight blue and in with the Snorkel orange

configurations including straight down and one-sided jacking. Stowed dimensions are 6.6 metres long with an overall height of 2.7 metres.

Provisional specifications for the 23 metre dual riser, boom and jib Traccess 230 include a working outreach of 11.5 metres, 200kg platform capacity, 2,940kg GVW and overall length of 5,243mm including basket.

Altec

Altec's display included its track mounted, narrow base DB35 crane, work platform and digger derrick. The unit, which was displayed with its auger, can carry a telegraph pole over rough ground, drill a hole, plant the pole and then use the insulated platform to complete the job.

Another new product for Europe was the 36 tonne truck mounted AC36t-38S crane with five section, 38.7 metre boom, plus either a 9.4 metre or 16.8 metre jib providing a 58.5 maximum tip height.

Snorkel

Out with the blue and the future may or may not be bright but it is certainly orange - Snorkel orange. The corporate rebranding sees the UpRight name and blue livery banished to the history books. New products included the X24SD self-drive trailer mounted scissor lift and three metre Pop-Up Drive 10 self propelled.

Other models making their European debut included the 46ft/16 metre T46JRT with two metre jib giving a 12.2 metre outreach. The new lift replaces the Snorkel TB46JRT and the UpRight SB46. Snorkel is planning to launch further articulating and telescopic boom lifts on the same chassis, over the next 12 months.

The new S series electric slab scissors included the critically important 19ft/5.8 metre micro scissors, the S1930E and S1932E. The S1930E is 760mm wide while the lower weight 820mm wide



Snorkel Pop-Up Drive 10

S1932E is almost 140kg lighter. The S series replaces the Snorkel S1930 and the UpRight MX19. Similarly, the S2632E, S2646E and S3246E replace the UpRight X26N, X26 and X32 and Snorkel S2646 and S3246. The S1930E is already in full production, while the other S Series will be phased in during 2010.

Aichi

Aichi launched three new models the 34ft/10.4 metre platform height SP20HD heavy duty boom with 500kg lift capacity and 8.2 metres outreach. The platform has an unusual two metres by 1.5 metres basket with 180 degrees platform rotation. Other than this the new unit is a classic boom with 360 degrees continuous slew. Overall weight is 8,200kg.

The 30ft/ 9.3 metre platform height WZ09ASM is a telescopic alternative to an RT scissor lift similar to the Manitou TP15. Unlike the Manitou it offers an unrestricted working envelope with up to four metres outreach from the front axle when the boom is horizontal, although capacity in this position reduces from 800kg to just 100kg. The platform rotates though 180 degrees to provide up to a metre of lateral outreach and is a weighty 6.8 tonnes

Finally from its domestic Japanese range comes a battery powered 12ft/3.8 metre crawler mounted mast lift, the RM04B pitched as an alternative to 12ft wheeled models, such as the Snorkel/UpRight TM12, JLG12ES and new Skyjack SJ12.

A new range of models was to be launched at the show but they have taken longer than expected to get to market.

Manitou

The big news at Manitou was its supply deal with Terex where it will provide Genie with a version of its mast booms, while receiving Genie's compact RT scissor lifts in return, which it will market as the Maniaccess 100SC and 120SC RT scissors. It also had its updated 46ft/14 metre 160 ATJ+ articulated boom, with 8.95 metres outreach and 400kg platform capacity.



Aichi Takashi Shimada, Jaap Zwart and Masaharu Katou with two ladies in traditional Japanese costume on the Aichi stand



Manitou 160ATJ+



Manitou MT 625T

On the telehandler front, the 17.9 metre lift height 360 degree MRT 1840 Easy has new stabilisers, a self levelling option and new cab. Manitou says that the new 14, 16 and 18 metre models are easier to operate and less sophisticated.

It also launched its latest fixed frame model, the MT 625T, a slightly larger 6.8 metre/2,500kg 'compact' telehandler with a 1.92 metre overall height and 1.82 metre width. Finally the new MHT 780 T Evolution has an eight

tonne capacity and 6.8 metre lift height and is the replacement for the MVT 665 and MVT 675.

Merlo

Centre of the Merlo stand was its new P41.7 Hybrid which claims to be the first patented hybrid eco-telehandler. Merlo is using its EcoPowerDrive transmission on its larger telehandlers which promises a 20 percent reduction in fuel consumption although the P41.7 also offers zero emissions for indoor use with its Hybrid system. Developed in conjunction with Turin Polytechnic, the Hybrid has two power sources, a 55kW Kubota diesel and a 50kW brushless permanent magnet electric motor/generator with lithium ion batteries. Power to the transmission can be provided by the combined diesel and electric motors for maximum effort, or in Hybrid mode where the diesel engine is available on demand to supplement the motor or recharge the battery pack. The all electric mode is of course ideal for indoor applications or where noise is a critical issue.



Merlo P41.7 Hybrid

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2007 TEREX-DEMAG AC120-1 10x8x8



2001 TEREX DEMAG AC80-1



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Merlo Cingo PL14 spider

Other products seen for the first time included Merlo's All Terrain aerial lift, the MPR15 and 18 and the larger Cingo PL14 spider lift – the second and largest in a planned range.

Palfinger

Palfinger had two stands – one for its loader cranes and one for its truck mounted platforms. New truck mounts included the P320, a 32 metre model with 25.5 metres outreach and a 700kg platform capacity with a Gross Vehicle Weight of 11.9 tonnes. Also on show was the new 25.6 metre outreach P260B mounted on a 3.5 tonne Nissan chassis.

The PK 23002 SH, PK 27002 SH, PK 34002 SH, PK 19502 and PK 22002 EH High Performance loader cranes all made world premiers.



Palfinger P320 and P260B

The most unusual exhibit on the Palfinger crane stand was the Wemotec SMK320.67, long boom specialist spider crane which uses a Palfinger upper. With stowed dimensions of 4.87 metres long, 1.75 metres wide and overall height of 1.98 metres it boasts a 32 metre hook height and 6.7 tonne lift capacity. The articulated boom has two main arms with over-centre articulation, plus a telescopic jib making it amazingly versatile for reaching difficult areas. Maximum outreach is a remarkable 29 metres. The company says that it plans to introduce two further mini cranes later in the year.

Spierings

Almost a quarter of a century after introducing its first three axle crane – the SK345-AT3 – Dutch manufacturer Spierings unveiled its latest and possibly most radical



Wemotec SMK320.67 long boom spider

new model – the SK387-AT3 City Boy with Eco Drive. The most noticeable feature is the single all-in-one operators' cab that serves both as the drivers cab on the road, and tower crane cab. Basic specifications include lifting two tonnes to 36 metres at a 28.5 metres hook height. Alternatively the luffing jib can lift this weight to a height of 53.15 metres. Maximum capacity is seven tonnes at 12.36 metres.

A new compact direct drive 400kW (540hp) electric motor gives continuously variable acceleration up to 80 kph and also serves as an electric regenerative brake. A small, constant-speed diesel engine uses a generator that converts diesel to electric energy which can charge the lithium ion battery pack or help peak capacity to accelerate or drive up a hill.

With the tower raised and the cab rotated to tower crane mode, the truck may be driven with steering, acceleration and braking carried out using the crane's remote control. When rigging the crane, the jib will only start to unfold when the three tower sections are fully extended. During breaks in work and slow operation, the battery is also charged allowing the truck to be driven home.

Also on the stand was the track mounted SK2400-R which has an 18 tonne capacity at 14.6 metres, 42 metres radius (with 5.5 tonne lift) and a 56 metre maximum lift height with the jib raised 30 degrees.

Ausa T133

Ausa unveiled its new compact telehandler the T133 and the slightly larger four wheel drive version the T133x4 which has a height less than two metres and width of



Spierings City Boy



Ausa T133

1410mm. Maximum lift is 1.3 tonnes and maximum height 2.7 metres.

Bobcat

Bobcat showed its new, Dieci-built, 360 degree 'rotary' models, with lifting capacities from 3,500 to 5,000kg and lifting heights from 15.7 to 24.5 metres, total weights range from 13.1 tonnes to 17.5 tonnes.



Bobcat rotary telehandler

Genie

As well as showing off its new 'Manitou' sourced GR26 J mast boom, Genie unveiled its new 17.5 metre GTH-4018SR telehandler and showed its Z-40/23N RJ (electric) articulated booms and the Genie S-65 Trax telescopic boom.

Herkules

Swiss-based Jakob Fahreugbau was showing off its new 30 metre Herkules TD40305 telehandler

Goldhoffer

Goldhoffer displayed its latest designs for transporting wind turbine components.



Farasin

Italian telehandler manufacturer Farasin showed several new rotating cab telehandlers. The 22.45 t evo is a 4.5 tonne, 22 metre model with 130 degrees cab rotation, while



Genie GTH-4018SR



Genie GR26J

the smaller 13.38 can lift a maximum of 3.8 tonnes to 13 metres and has 140 degrees rotation.



Farasin

Ruthmann

Ruthmann launched two new truck mounted lifts, the 27 metre Steiger TB 270 and 20 metre TBR 200 – both mounted on a 3.5 tonne chassis. Both units feature a 105 degree articulated jib coupled with a 160 degrees of platform rotation. Chassis options include the Cabstar, Maxity and even a 4x4 chassis.

Ruthmann says that the show was its most successful ever with a total of 30 units ordered worth over €4.5 million with the TB 270 and TBR 200 accounting for two thirds of the numbers.



Herkules TD40305



Ruthmann TBR200



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SKYJACK



XCMG QAY240



XCMG Australia crane ZQ20



undercover

XCMG

Although short of a few stand staff caught in the 'no-fly ash-cloud' XCMG had a large indoor stand with several interesting exhibits. Largest was its six axle 240 tonne QAY240 truck crane but it also had its ZQ20 articulated 20 tonner developed in a joint venture with Australia Crane and Machinery where it is known as the ARC20. Copyright and patent infringement problems kept what was thought to be a telehandler under cover.

Harsco

Newly appointed managing director of Harsco Infrastructure Europe, Paul Kelly, outlined the vision for the \$3bn turnover company which merges the scaffolding and formwork businesses of Hünnebeck and SGB in Europe and Patent in North America.



Paul Kelly

Paus

Paus unveiled a new aluminium trailer crane, the Skyworker PTK31, a 360 degree slew diesel/electric crane with a maximum 1.6 tonnes lift capacity and 31 metre hook height.



Paus Skyworker

Hitachi

Helping out with Hitachi demonstrations was this HX99B-2 tracked boom lift. Weighing 5.4

Hitachi HX99B-2

tonnes the unit has a 9.4 metre platform height and 8.3 metre outreach with 200kg in the basket.



Harsco mastclimber

Sany

Largest exhibit on the impressive Sany stand was the 630 tonne SCC6300 in Sarens colours, specifically designed for the installation of 3MW wind turbines and featuring a 108 metre main boom and 192 metre maximum boom/jib combination. Alongside it was the SCC1800 – 180 tonne crawler aimed at the European market. Also on show was the 55 tonne SRC550 Rough Terrain crane.



Sany SCC6300



Sany SRC550RT

Raimondi

The newly restructured, now Qatari owned, Italian tower crane manufacturer, Carlo Raimondi, showed its MRT 111 with 1.37 tonnes capacity at the tip of its 61 metre jib mounted on a 1.5m x 1.5m tower.



Raimondi MRT111

Moog

Latest platform from underbridge specialist Moog is the MBL1600 capable of a 16 metre outreach when under the bridge.



Moog MBL1600

Cela

Now teamed up with Socage, Cela showed its new 49.4 metre working height TL50 truck mounted platform. Using technology from its fire fighting platforms, the new TL50 has a 300kg platform capacity and 29.5 metre outreach when mounted on a 26 tonne chassis, or 33.5 metres on a 32 tonne chassis.



Cela Spyder 350

Also on the stand was the revamped tracked Spyder 350, a 35 metre working height, 16 metre outreach, large basket spider lift.

Bronto

As well as showing a new tool for testing ground conditions (see innovations) the main attraction on the Bronto stand was its new, world-record breaking 112 metre working height S112 HLA truck platform.

The first unit is mounted onto a Mercedes 76.60 all-wheel drive chassis with five steered axles and a GVW in standard specification of 75 tonnes. Maximum outreach is 33 metres with 25 metres available at a height of 90 metres and 700kg platform capacity.



Bronto S112 HLA

Bluelift

Bluelift unveiled its new 22 metre R220C spiderlift with 10.8 metre outreach, and 3.16 tonnes GVW.



Cela TL50



Bluelift R220C

GSR

Italian manufacturer GSR had several new machines on its stand - three in the Comfort E range - including the 26.2 metre E260 TJ telescopic truck mount with 16.2 metres of outreach and 280kg platform capacity mounted on a 7.5 GVW chassis.

Socage/Cumberland

There was much to talk about on the Socage stand, but the product that stole the show for many was the new 13.5 metre working height, Land Rover mounted lift on a short wheelbase Defender chassis, with low centre of gravity thanks to its clever boom design. Total weight is 3075kg.



Socage Cumberland Land Rover



Alfons Thihatmer and Michael Wotschke of Teupen

Teupen

Teupen launched its new Teupen Leo 18GT, a fully reworked model which includes many of the features seen on the smaller Leo 13 GT including the new black iso-cyanide, electrostatic dipped coating chassis finish which doesn't chip, scratch, peel or rust. The company says it aims to create a range of similar machines with working heights up to 20 metres.

Wolff

As well as the new 42 and 50 tonne capacity 630B and 700B luffers which complete its medium to heavy luffing crane range and a brand new System 23 tower system which offers 112 metre free standing height for cranes up to 700 metres/tonnes, Wolffkran introduced the new 8033cross, the big brother of the best seller Wolff 7532cross. The maximum load capacity of the crane is 20 tonnes with maximum jib radius of up to 80 metres.



Several Wolff cranes

Multitel Pagliero

One of the largest new truck mounted platforms was launched by Multitel - the 75 metre MJ 750 with 35 metres outreach and 600kg platform capacity mounted on a Volvo chassis. The first was due to be delivered just after the show. There was also talk of a new 83 metre truck mount. Also seen for the first time was the 22.4 metre working height, 10.25 metre outreach SMX 225 spider lift which weighs just 2,500kg.



Multitel SMX225



Skako Lift stand

Skako Lift

Skako Lift, the new name for Worldlift, owner of Falck Schmidt spider lifts and Denka trailer lifts, unveiled its all new 32 metre heavy duty articulated spider lift the FS320 which weighs under 5,000kg and yet offers around 16 metres of outreach and is priced competitively.

Holland Lift

The Holland Lift stand was stuffed full of new products, most notable of which were the 106ft/32 metre platform height battery powered scissor lift. The new model, sold to Riwal's new German operation, combined new technology with massive battery packs to offer a decent shift time between recharges as well as maintaining the power of the diesel model. The company's new Eco Star models also proved to be highly popular with a good number of orders booked at the show.



Holland Lift

PB Lifttechnik

PB was showing off the talents of its new 4x4 rough terrain scissor range in the form of the S151-19E 4x4. Fitted with a 16kW electro-hydraulic drive system (equivalent to a 25-30kW diesel engine) the machine features 80 degree steering angle, oscillating front axle with 250mm levelling and a height adjustable rear axle (up to 380 mm) - which can be levelled individually as well as in full automatic mode.



PB's 4x4 scissor

Leader

Italian-based Leader launched two new models - the 21 metre truck mounted AJ 21.10 with a travel height of just 2.3 metres and the LC1775 spider lift with 16.7 metre working height weighing 1,950kg.



Sandrino Ferrarini with the new Leader AJ21.10

Jekko

Jekko showed off its new 17 metre SPL 17C spider lift (the same machine as the Leader) but appeared to have more interest in its new, 2.7 tonne SPX 527 mini crane which can take a tonne to more than 13 metres and with jib reach to 17 metres.



Jekko stand and SPX 527

Maeda

Kranlyft made its first sales of the recently unveiled 2.93 tonne Maeda LC383M-5B.

Christer Dijner, managing director of AB Kranlyft (L) with Peter Leeb from Leeb Technik Austria and Ben Kemp from Kemp Netherlands.



MEC

Tucked away in the northern area, MEC showed its new 12 metre/40ft 40S tracked telescopic boom designed in co-operation with a number of Dutch rental companies, alongside its electric Speed Level.

MEC 40S



Youngman stand

Youngman

As well as its Boss range of push around lifts, Youngman had its Ecolite-T mobile lighting tower on display which boast a fuel consumption as much as 80 percent better than its peers.

JLG

JLG showed off its 'similar looking' but almost completely changed E300 series articulated booms.

Skyjack

Dave Hall of Skyjack took great delight in showing off the final version of the SJ16 self propelled, mast-type lift which has many nice features including the push-out deck.



Dave Hall and the SJ16

Galizia

Galizia displayed its new GK20 electric crane (lifting a BMW motorbike) and the improved F200 electric.



Galizia GK20 and F200

Imer

First outing for Imer's three model spider range, the LEM 1500, 1800 and the new machine, the LEM 2200.



Imer's new 1500 1800 and 2200 spiders