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New models from Amsterdam

Amsterdam in the spring may not have been every exhibitors dream given the close proximity to other major shows, but the turnout and new product launches made Apex 2017 better than anticipated.

The show was split between indoor and outdoor and with dull, rainy weather in the mornings and sunny afternoons both sets of exhibitors were reasonably happy with the visitor traffic. With several shows over the past few months it was a surprise to see so many new products - some that were totally unexpected.

Best machines?

We are always asked what is the most interesting exhibit at a show - and Apex was no exception. There were a good few depending on your interests.

Firstly, the new 27ft Catamount 25.10 telescopic crawler boom was right up there as it is built by a new company with no access manufacturing experience and aimed at a niche sector. Owner Caspar van Woerden sees an opening in the market resulting from the demise of the small Hitachi and Aichi crawler booms which are very popular in the Netherlands for working on the large horticultural glasshouses, cladding work and any job involving soft ground.

The first impression of the machine is that it has been put together very well with a three section, zero maintenance octagonal boom. The platform is also very solidly built as is most of the machine. Weighing just 2,55 tonnes it is light enough

to be towed behind a 4x4, but platform capacity is only 150kg with an outreach of 5.2 metres and 5.7 metres with 80kg. Overall dimensions are 4.5 metres long, 1.76 metres wide and 1.58 metres high. What is surprising is that the whole machine is fabricated in house. There are plans to produce a larger 33 to 40ft version weighing 5,500kg. A unit in the 66 to 76ft range may also be added in time, as well as hybrid power.

The next lift of interest was the 12 metre Xiraffe from Co.Me.T. The weird looking machine has a 4x4 chassis with up to 15 degrees slew either side of centre and can be levelled by four spider outriggers. Outreach is 4.5 metres and platform capacity 150kg. The machine is one of the few in the market offering a ride-on, go anywhere chassis spider-type outriggers for levelling on uneven ground - a sort of more compact and complicated Niftylift SD. Up and over reach is five metres and features include 230 volts and compressed air to the platform, engine stop/start and floatation tyres.

Dinolift also launched a semi self-propelled All Terrain boom in the shape of the 28 metre 280RXT. The 86ft boom lift weighs less than five tonnes, including four wheel drive and steer, self-levelling outriggers



Dino 280RXT



- with up to 10 degrees of levelling - new high strength steel boom and 1.6 metre jib with 160 degrees of articulation and a travel speed of 10kph. Outreach is 16 metres with 120kg, while maximum platform capacity is 230kg.

The ultimate 'go anywhere' platform is the Teupen Puma 42GTX. The machine seen in the outside area in Swiss Power livery is one of just three that have been sold so far, although we are told there are several more on the production line.

Palfinger v Ruthmann

Palfinger and Ruthmann literally had the 'biggest' news involving large truck mounted platforms. Palfinger launched an updated version of its WT1000 now the P1000 mounted on the updated five axle Tadano crane chassis with new cab and 600mm narrower outrigger footprint. Outreach is 35 metres with variable platform capacities from 200kg at full height to a maximum 530kg. Most of the new technology from the Jumbo NX Class lifts has also been included.

For many years Ruthmann has maintained that 75 metres is high enough for a truck mounted platform. However given the current situation in that sector - with Palfinger and the recently acquired Bronto - it obviously feels there is room for a third player and announced a new 90 metre machine - the Sky Performance Steiger T 9XX HF with its Highflex family features - to be launched in spring 2018. The company says the lower



Palfinger P1000



The new 27ft Catamount 25.10 telescopic crawler boom



The 12 metre Xiraffe from Co.Me.T



Ruthmann Bluelift SA 11

boom of the T 9XX HF does not need to be fully raised and locked before the platform can be used. This new design allows it to be used with the lower boom at 72 degrees or above rather than 90 degrees. With the 30 metre upper boom and jib this provides an extra six metres of outreach - possibly up to a maximum of 39 metres. The lower boom only needs to be locked for maximum height.

The new lift is likely to be mounted on a five axle Scania, MAN or Volvo chassis with a GVW of 48 to 52 tonnes. Overall length should be less than 15 metres while the basket is stored mid chassis rather than exposed at the rear. Felbermayr in Austria and Hüffermann in Germany have already placed orders with another sold to a mystery French company.

The tit for tat rivalry between the two companies continues with spider lifts. Palfinger launched the second model in its new range, the 18 metre P180 AJTK while Ruthmann announced the compact 11 metre Bluelift SA 11 and a new 30 metre model.

The 18 metre P180, part of Palfinger Italia's range, uses superstructure parts from its Smart truck mounted lifts. Maximum outreach is 7.7 metres, maximum capacity 220kg and overall weight is 2,400kg.

The Ruthmann Bluelift SA 11 has 6.7 metres of outreach and 230kg platform capacity. Outrigger footprint is 2.72 x 2.41 metres. In true Ruthmann fashion a new 30 metre spider lift was announced - the 3XX - with 17.5 metres outreach and 250kg capacity which is said to be 1.7 metres shorter than competitors while weighing just over four tonnes. Ruthmann also launched its new 24 metre Ecoline RS240, the first and

largest model in its Italian 'budget' 3.5 tonne articulated truck mount range. Outreach is 8.3 metres with the 250kg platform capacity or 11.4 metres with 100kg. Features include a new, quick levelling system and the unit at the show included the new Ruthmann secondary guarding system which when triggered stops and reverses any previous movements for two seconds.

Compact Snorkel RTs

Easily missed were Snorkel's two new super compact Rough Terrain scissors - the 22ft S2255RT and the 27ft S2755RT. Both have an overall width of 1.45 metres/55 inches and have been available in Australia/ New Zealand for several years. At 2,360kg and 2,580kg - including standard self-levelling outriggers, a 1.2 metre roll-out deck extension and non-marking tyres - they can be towed behind a van or 4x4. Snorkel says that if there is sufficient demand - particularly from Germany where there is already a lot of



Snorkel showed two new super compact RT scissors



Ruthmann Ecoline RS240



Rival JLG 1200 SJP

interest - it may start building them in the UK.

All-electric JLG boom

Three years ago Netherlands-based sales and rental company Rival unveiled the first all-electric 80/86ft JLG booms - the 800AJ and the 860AJ - converting from diesel to electric power. Since then it has sold more than 30 units. This time it announced a battery electric conversion of the 120ft JLG 1200SJP, replacing the diesel engine and fuel tank with an electric motor, battery pack and charger. Performance remains the same as the diesel unit, but with zero emissions and low noise levels. The first unit will be added to the Rival rental fleet in August, with subsequent units available for sale to other companies and end-users.

JLG says it has no intention to develop an all-electric boom of this size, preferring to focus on hybrid solutions. JLG general manager Karel Huijser added that the long-term future for JLG is all-electric.

ATN mast boom

French manufacturer ATN showed the production version of the 23 metre, 230kg capacity Mygale spider lift and said that a smaller spider lift will be launched in 2018. The company also launched the 10E mast boom - essentially a smaller version of the 12E - with a

9.92 metre working height and an outreach of 3.51 metres. Overall length is 1.2 metres with an overall width of a metre. For the last few years the company has enjoyed 30 percent growth with rental customers taking the company more seriously. As sales director Thomas Meheust put it "the mayonnaise is starting to take!"

Big platform Multitel

Multitel Pagliero showed its new 10 metre mega platform truck mounted lift designed in partnership with Skyworker Trade of Switzerland. The MS100 features a two-section



Multitel MS100

SJ85AJ

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telescopic boom topped by a 3.3 by 1.85 metre platform with a capacity of 400kg and up to 500mm of lateral movement. Mounted on a 3.5 tonne Nissan NT400 Euro 6 chassis, with a six metre working height possible free on wheels, with a hydraulic friction drive providing travel while elevated.

Manitou boom lift

Manitou launched a new 66ft telescopic boom lift, the 220TJ and a heavier, larger platform + version. The new machines combine the running gear of the 60ft 200ATJ articulated boom lift, with a three-section version the 80ft 260T's telescopic boom and two metre articulated jib. Unrestricted platform capacity is 230kg or 350kg for the 220TJ+. Outreach is 17.6 and 17.8 metres respectively, while the overall weights are 11,850 and 13,800kg.



Manitou 220TJ and Man Go12

Compact Versalift

Versalift unveiled its nine metre LT-23-90-TB aerial lift mounted on a compact Fiat Doblo WorkUp chassis which requires no outriggers. The new lift has an overall length of less than five metres and weighs 2.5 tonnes with 250kg of spare cargo capacity. Outreach is 4.2 metres and the one-man fibreglass bucket has a platform capacity of 120kg. A capacity upgrade is available as is a detachable tow bar.

Another CTE MP

Seven years after it launched the 20 metre MP 20.13, CTE took the concept up level with the new MP 32.19 mounted on a 7.5 tonne chassis. The new model has a two-section lower boom topped by the slew ring, three section top boom and a two-section telescopic jib with almost 180 degrees of articulation.



CTE 32.19

The unit offers 300kg platform capacity and 19 metres outreach at an up and over height of more than 12 metres.

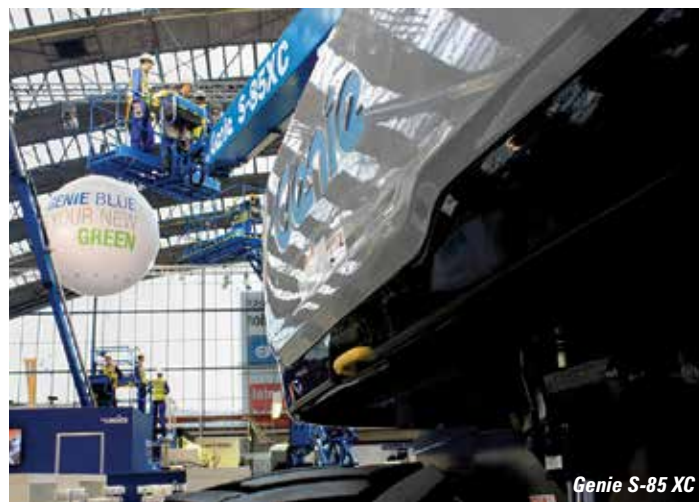
Genie

Genie extended its Xtra Capacity (XC) concept into the 80/85ft market with the S-80/S85-XC boom lifts. The two new booms feature dual platform capacities - 300kg unrestricted to its full 22.7 metre outreach or 450kg restricted - with automatic operating envelope control. The new lifts also incorporate the new integral load cell while boom and jib structures have been upgraded to handle the higher capacity. A new ALC600 control system is both smarter and much simpler to use for both operators and service engineers, with significant improvements in terms of diagnostics and troubleshooting capabilities.

New and improved features include a clear display of gauges on the display controller, new full error code readouts with text, as well as a service mode providing clear menus for settings and parameters. Software updates can also be performed directly from the machine's control panel without the need for a laptop.

CMC

Italian manufacturer CMC launched its new branding and nomenclature, as well as separating production between spider lifts - the CMC Extreme (XTRM) line - and truck mounted models - the CMC Road family. Its first Road model, the 22 metre PLA220 telescopic, can be mounted on various 3.5 tonne chassis. The four section boom has a maximum outreach of 15 metres with inline rear stabilisers and front V footprint outriggers extending 45



Genie S-85 XC



CMC PLA220

degrees to around 750mm either side of the chassis. Other features include a boom 'back home' and 'wall' function. The company says its 25 metre spider lift is its biggest seller but it may add a 21 metre and 27 metre model by the end of the year.

Clubb showed its new 18.5 metre plus jib workshop version of the Xtenso 3 - a redesign following the Comilev acquisition. Versions up to 26 metres are available. Using 14 tonne chassis, such as the Iveco Eurocargo, Mercedes Atego or Renault D the lift has a stabilised outreach of 13.9 metres with 280kg platform capacity. As well as the good storage capability options include using the platform without stabilisers and when the vehicle engine power is off.

Clubb also showed two van mounts - the 9.2 metre K21N and 13.8

metre K38P - with cut-away rear bodywork. The K21N offers 5.8 metres of outreach with one man (120kg) without outriggers when mounted on a three tonne GVW chassis. The K38P is mounted on a 3.5 tonne van giving 7.2 metres outreach with two operators/200kg platform capacity with outriggers set.

Hinowa launched its new 13.3 metre Lightlift 13.70 Performance IIS with an overall length of just 3.28 metres with basket removed. Overall width is 870mm and it is less than two metres high. Maximum outreach is a little more than seven metres and it has an unrestricted platform capacity of 230kg. Outrigger footprint measures 2.8 metres square and power options include a Honda petrol/propane, Hatz diesel or lithium ion battery pack. Features include gradient control which automatically decelerates the machine when driving on potentially hazardous slopes, built



Hinowa 13.70



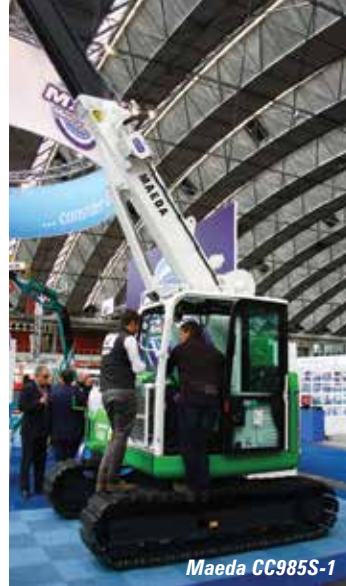
Klubb stand with the Xtenso 3 in the centre



Airo X14 EN

in fork lift pockets, lifting eyes on the outriggers, the innovative RAHM control and diagnostics system for remote diagnostics and troubleshooting.

Italian company Airo launched three new Rough Terrain scissor lifts including the 40ft X14EN electric compact scissor with an overall width of 890mm and 2.4 metre overall length. The largest in Airo's range of compact electric scissors, it features a 1.5 metre long deck extension with full unrestricted capacity. The two other new models included the 1.8 metre wide 33ft X12 RTD and 40ft X14 RTD. Both



Maeda CC985S-1

have 1,500mm deck extensions with 450kg and 400kg capacity respectively, oscillating axle and four wheel drive. Optional jacks include auto levelling.

Cranes at Apex?

While Apex is predominantly an access exhibition there were several spider and mini crawler cranes on show. Maeda showed its new five tonne mini crawler crane, the CC985S-1, the second model in its new CC mini crawler crane line joining the significantly larger six tonne CC1485. The CC985 features a five section 16.5 metre pentagonal boom and a 4.5 metre telescopic

swingaway extension. Pick & carry capacity is two tonnes and overall weight 9,450kg.

Jekko goes from strength to strength as it comes under the influence of Giovanni Fassi who took a 33 percent stake in the company last year and revealed plans for three new articulating crawler cranes using Fassi loader crane booms. At the moment there are only a few manufacturers offering this type of product however Jekko seems convinced that this is a growing concept.

First of the three cranes to be introduced will be the JF545, with a maximum lift height of 30 metres and reach of 28 metres. It can lift a maximum of 15,500kg, has a 3,500kg counterweight and measures 5.45 metres long, 2.75 metres high and 1.84 metres wide. The stabiliser footprint measures 6,700mm square and it can lift 2,500kg at 16 metres. This will then be followed by the JF30 and the JF40, the difference being additions such as an LMI and remote control. Under one tonne capacity - the JF30 has a 900kg capacity eliminating

the need for an LMI. Jekko also launched the SPX424, the only lithium powered mini crane on the market.

Business is also good for Arnham, Netherlands-based crane company Hoefflon which showed an updated version of its C1. The company says that its new larger facility - will help it cope with increasing demand. It is currently producing between two to three cranes a week.



Jekko lithium powered SPX 424 2

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In brief:

Almac launched two larger tracked scissor lifts, the 33ft 1270-HE and the 39ft 1470-HE. The new units do not level from the tracks but rely on long jacks which can level the machine on slopes of up to 11 degrees. They are also fully self-propelled up to six metres.



Almac 1470-HE



GSR B240PX

Palazzani unveiled its first articulated boom spider lift, the 32 metre TZ330/C. The lift has a two-stage sigma type riser and four section telescopic boom and 175 degree articulated jib giving 15.5 metres outreach and 250kg platform capacity. With a minimum width of 1,100mm and height of 2,166mm the lift has a maximum outrigger spread of 4.5 by 4.6 metres.



Palazzani TZ330

Teupen showed off the largest in its new five model T series - the 35 metre 19.9 metre outreach Leo35T. All have 250kg platform capacity and are available with high strength steel booms with all cables, hoses and hydraulic cylinders routed internally. Chassis width is 1.58 metres wide.

Unfortunately Dingli did not show its new Magni designed, 16 to 28 metre specification boom lifts which should be in production later this year, but did show some electric scissor lifts, a mast boom and its own design 66ft GTB220AE which looks strangely similar to the company's new European BA20RT and BA16RT lifts.

Spain's **Movex** announced a new 20 metre articulated ATL20 truck mount with 8.5 metres outreach and 200kg platform capacity.

Bravi has increased battery life by 30 percent and says it is planning new material handling machines later this year or early 2018.

TCA featured its third generation Falcon Spider FS330Z Vario with 33 metres working height and 19 metre outreach. Overall height is now less than two metres and minimum overall width 1.25 metres. Features include new remote controls, adjustable height tracks and remote access service tool.

Imer Access showed two of four new electric scissor lifts in the IM 122 series - the 20ft IM 8122, the 26ft 10122, 33ft 12122 and 55ft 14122 - all with 1,300mm deck extensions. The IM 122 lifts replace the IM 80/90 series scissors.



Imer IM 122 series scissors

GSR launched its new 23.6 metre, 12.3 metre outreach B240PX with 250kg capacity mounted on a 3.5 tonne chassis.



Oil&Steel Snake 2010H Plus

Easylift showed its new Easy RA26 - a 26 metre, 890mm wide, 14.5 metre outreach spider lift that weighs 3,600kg with 230kg platform capacity. The new model slots between its 21 and 30 metre spiders with Hatz diesel power. Easylift said the lift has been kept simple to use and repair.



Easylift RA26

JLG has plenty of new products and technology in the pipeline and is concentrating on Hybrid technology showing its latest H800AJ 80ft hybrid articulated boom lift which uses a small Kubota diesel coupled to an electric motor to boost power. Hungarian trailer lift manufacturer **Europelift** showed off its first spider lift, the 15 metre TR15GT a 'solid' auto-levelling unit with 7.6 metres outreach and 200kg capacity.



Europelift TR15GT spider lift

Weight is 2.1 tonnes and width 780mm. Outrigger footprint is three metres square.

As well as showing off its narrow large spider lifts with its new 30 metre lift to be launched in September, **Platform Basket** highlighted its investment in AR (augmented reality) digital tool aimed at eliminating paperwork including parts and workshop manuals. The company is also working on a new 43 metre spider lift for next year and a restyled 18.90.

Socage showed its 47 metre forSte 47TJJ truck mounted platform with double jib, with 36 metres outreach and 600kg capacity. The basket can be replaced with a 900kg capacity hydraulic winch mounted on the jib to create a crane.

Its latest 3.5 tonne E Series platforms have also been reworked to add 300kg platform capacity when mounted on the X-type chassis. The 19.5 metre forSte 20TJ eXtrem has an outreach of 13.50 metres. The 20 metre/nine metre outreach forSte 20D double articulated truck mount was also on display.



Socage 20D

Oil&Steel launched its lightweight, compact 20 metre articulated Snake 2010 H Plus mounted on an Iveco Euro 6 truck with 250kg capacity and an all-up weight of 3,300kg. Two spiders included the 23 metre Octopus 23 and the compact Octopus 14 both available with lithium ion power options.

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