

MC815



- **Massive 8 tonnes** lifting capacity making it the strongest lifter to date
- **19.4m** tipping height
- **EU stage 3B** compliant engine to make it environmentally friendly
- **New 10.4"** multi function touchscreen monitor
- **Added bonus** of 1000kg pick and carry capacity, this crane offers unrivalled versatility with great lifting duties
- **Optional** 1500kg SWL hydraulic 2-section Fly Jib increases maximum lifting height to 25.5m
- **All new** Searcher Hook giving class leading duties of 1000kg

NEW TO THIS MODEL

Power lifting mode

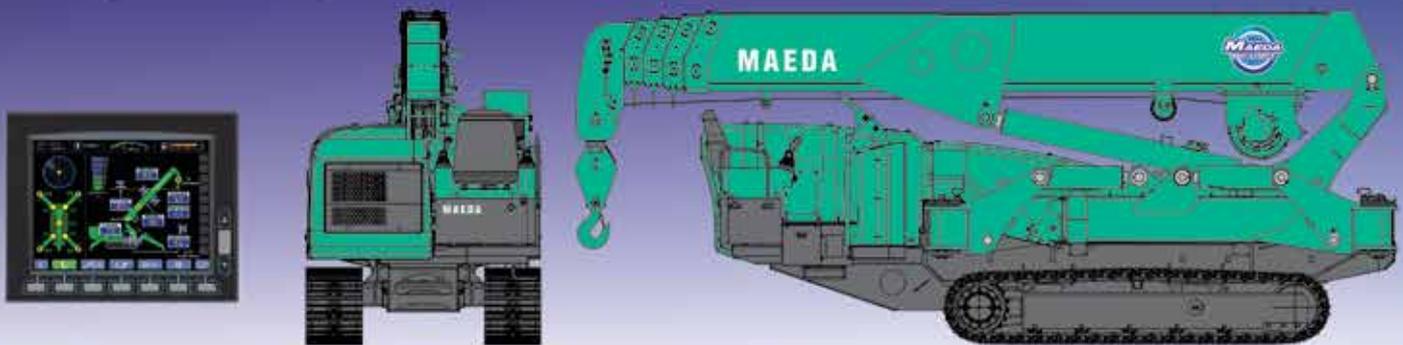
Joystick control

New Technos 2 radio telemetry system with joystick control

Auto levelling via remote

Auto crane stow via remote

MSOS (Maeda Safety Operation System)



We reach for the sky.

RK36-2400 tracked crane

Maximum Lifting Height 36m

Maximum Capacity 2,400kg

Pick and Carry 250kg

Radio Remote Control with colour display

Crawler Chassis with 2 speeds – creep and fast mode

Multiflex Outrigger System with Auto-Levelling

Diesel or Electric Engine



For more information on these cranes or any of our other products, please contact:

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www.maedacranes.com

www.bockercranes.co.uk



We reach for the sky.

What a show!

The biggest, most popular Bauma ever finished on a damp note with the changeable weather during the week turning into solid rain for the last day or two. Between the wind and rain showers earlier in the week, the crowds were out in force with around 580,000 visiting the world's largest construction equipment exhibition.

Visitors were very pleased with large number of stands and products on show, however, it was a slightly disappointing show in terms of ground-breaking new products with very few surprises. However, no-one who attended can be disappointed - it is a truly spectacular show in terms of size and variety. For exhibitors however costs - already higher - increased still further with the organisers appearing to want to squeeze more and more profit out of the event. Even for the world's biggest and most popular show, there will come a time when the golden goose decides enough is enough....

As usual, there was far too much information to review in one go - I walked 55km in the first five days and still didn't manage to reach all of the crane and access stands. This review is mainly pictorial, with more information being added in upcoming features throughout the year, including All Terrain cranes and spider lifts in this issue. So here are a few of the highlights...

Cranes

Tadano started the show off with a very early press briefing on the

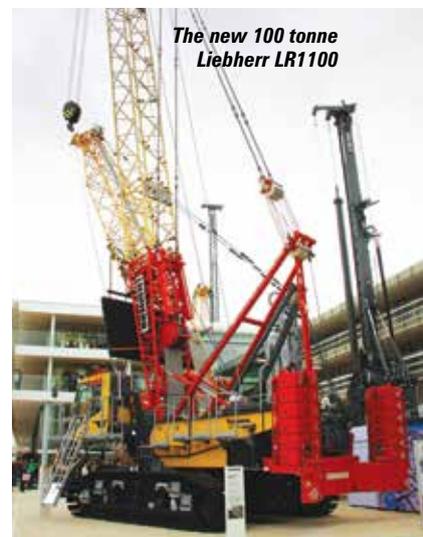
first day - an hour and a half before the show officially opened. As well as giving more details on its new 600 tonne ATF600, which will not be available until sometime next year, the company revealed details of a new three axle single engine 60 tonne All Terrain, with both engine and transmission in the superstructure. The company also launched the GTC 800 telescopic crawler the second unit aimed at the global market. The crane can work up to four degrees off level with a reduced load chart. It also gave details of the 145 tonne GR 1450EX, the largest RT in the world.

Most impressive stand - as usual - goes to Liebherr which had more than 100 exhibits including the unveiling of the 450 tonne LTM 1450-8.1 with hydraulically activated moving rear ballast which can improve capacities by up to 20 percent. Liebherr said the crane was not designed for maximum capacity but maximum usability - almost a 450 tonne, 85



Teupen Puma 42GTX

metre boom fast erecting crane. It obviously hit the spot with crane users as Liebherr says it has already booked orders for 30 units, mostly for tower crane and wind turbine erection.



The new 100 tonne Liebherr LR1100



The hydraulic operating mechanism on Liebherr's new LTM 1450-8.1



Tadano ATF 600G-8



Tadano launched its new global GTC-800 crawler crane



Demag AC 220-5 AT

Liebherr's other stand-out exhibit was the new 100 tonne LR1100 crawler crane which gives it a product in the increasingly competitive 100 tonne market. The crane also uses the hydraulically rotating rear counterweight wings, although not quite the same as the LTM 1450. The cab rotates 90 degrees to stow and when launched has the latest design features including carbon fibre pendants and links and synthetic fibre rope. Electronic innovations such as electronic line finder are also available.

Terex Crane's big news was delivered by new president Ken Lousberg who announced the return of the Demag brand for its CC crawler cranes over 400 tonnes and its AC All Terrains of 100 tonnes and more. The decision has obviously gone down well with customers and within the company, although why it has taken 12 years to right the wrong is another question. The old five axle Explorer range becomes the Demag AC models AC130-5 to the AC 250-5 - all with 78 metre booms and IC 1 Plus controllers. The small Demag City All Terrain crane line is also due to return.

The other major crane manufacturer - Manitowoc - together with new chief executive Barry Pennypacker,



Barry Pennypacker CEO of Manitowoc.

highlighted several new models including the 150 tonne GMK 5150/5150L, the 250 tonne GMK 5250L which uses 30 percent less fuel, and features a 70 metre main boom and can travel with full counterweight. New Rough Terrains included the GRT 8100. The star exhibit that was almost overlooked was the new Potain Hup 32-27 self-erecting tower crane that will replace four Igo models and was roundly complimented by those that spotted it.

It also came to light that Manitowoc has split the cranes business into towers (Potain) and mobiles/crawlers (Grove/Manitowoc) with newly recruited Aaron Ravenscoft managing the mobiles and Larry Weyers taking over the tower crane business.

Kobelco Cranes, now merged with construction, reported increased crawler crane market share and announced a new 1,250 tonne crawler crane, the SL-13000 of which it has already sold four units - three to MIC and possibly a fourth on its way - which when delivered will work on the new Tokyo Olympic stadium in Japan.

Spider cranes of note included the new eight tonne Maeda MC815 - its largest spider crane to date - a substantial stand with new spider cranes from Jekko and an interesting range from Brennero with its BG Lift machines - particularly the CWE 465. Several also commented favourably on Böcker's new 36 metre tracked RK 36/2400 aluminium crane with platform option.

Aerial work platforms

This was a strong show for larger truck mounted platforms with Bronto launching its new 70 metre S70XR the first unit sold to German rental company Berteit. Ruthmann announced the acquisition of Bluelift, giving it a new 'cost effective' range of 3.5 tonne truck mounts and four spider lifts up to 26 metres. It also launched the T510HF, a 51 metre platform on a on an 18 tonne two axle chassis, along with a 57 metre and 41 metre, while making a last minute announcement of two additional models - a 65 metre on 32 tonne chassis under 12 metres long with

43 metres outreach and a 75 metre with 38 metres outreach - both to be launched this autumn. Palfinger introduced its new 75 metre P 750 with a paint job reminiscent of a Jackson Pollock picture!

Teupen had the most radical new product in the form of the Puma 42GTX - a 40 metre Leo spider lift boom, mounted on a Menzi walking spider chassis complete with cab. Interest was high, but demand for such an extreme rough terrain platform may be limited. However six or seven orders have already been taken and Teupen is looking at 15 to 20 units a year. Pricey though at €455,000!

JLG surprised with the unveiling of the new 150ft JLG 1500AJP articulated boom, the largest to date, leapfrogging the 135ft Genie ZX135/70. Dutch international rental company Riwal took the first machine, which offers 23.5 metres of outreach and up and over reach of 18.3 metres. Maximum

Brennero BG Lift 12.6 tonne capacity CWE 465



Hup 32-27



The go anywhere Teupen Puma 42GTX

51 m on 2 axles for the first time ever

With **bauma 2016**, RUTHMANN has added four brand new highflex STEIGER® models to its extremely successful HEIGHT performance-series.

Providing world record performance capabilities in a highly competitive environment, always works to the customer's advantage. Over the past several years, RUTHMANN has become market leader in the large-scale equipment segment. Continuous innovations have made it all possible. The many exciting HEIGHT performance-models, have given the German manufacturer an excellent name throughout the entire industry.

The four new STEIGER® T 510 HF and T 570 HF (being presented at **bauma 2016**) and T 650 HF and T 750 HF (being presented in October 2016), underline express that RUTHMANN intends to further strengthen and expand its market-leading position around the world.

Selection in large numbers

With over 200 HEIGHT performance units (March 2016) sold since the series was first launched in 2012, these exciting RUTHMANN STEIGER® models probably belong to the most successful large-scale, truck-mounted aerial work platform series in the world. Even before these most-recent additions – which the company refers to as “highflex” models – RUTHMANN customers had already had the largest selection of models to choose from. RUTHMANN would also like to emphasize that all models in the popular series have a modular design featuring many identical parts/components. This design not only maximizes operating comfort and convenience but also ensures that individual parts are readily available at all times.

The four new “highflex” models are a perfect addition to the other seven HEIGHT performance-STEIGER® models with working heights that range from 38 m to 72 m.

World record through engineering proficiency

The STEIGER® T 510 HF features a **51 m working height**. This is the first time ever that a truck-mounted aerial work platform manufacturer has been able to offer a working height of over 50 m **on a 2-axle truck chassis**. The new T 510 HF is even available on an all-wheel drive chassis. In the 50 m category – which until now had only been available on 3-axle trucks – T 510 HF customers/operators will have an extremely competitive model at their disposal. A 2-axle chassis is much lighter, less expensive, and more agile. With a **maximum lateral outreach of 33 m**, it soon becomes clear that the T 510 HF signifies a real engineering breakthrough. It offers 3 more metres of working height and one

The (r)evolutionary, world champion performance specifications are what make this STEIGER® model so special: 51 m working height combined with 33 m outreach, which - coupled with a 2-axle chassis – can be found nowhere else on the working platform market. Such performance data were previously possible only on a 3-axle chassis.



additional metre in lateral outreach compared to the STEIGER® T 480 – the previous leader in this category.

Maximum agility when working up high

The “HF” in the name of the brand new STEIGER® models stands for “highflex”. This term encapsulates the extraordinary developments in basket and jib rotation angle design that maximize operational versatility and mobility at the job site. The maximum highflex basket rotation angle is an amazing 440° and the jib (RÜSSEL®) has a rotation angle of 220°. With the unique basket design and time-tested

„upright work basket” concept, highflex operators are able to reach high up objects with utmost precision and agility. New possibilities also arise when working “below ground” and “up, over and behind” objects. The highflex development gives operators many technical advantages at the job site and provides added value for RUTHMANN customers.

Length is paramount

The telescopic system of the upper boom has been further extended to provide operators with even greater versatility. Since 2012, RUTHMANN customers have also opted for models in



Have a look at the video about the highflex STEIGER® T 510 HF

the HEIGHT performance-series because of the long upper boom system with long telescoping extension. The maximum upper boom length gives the operator the reach capabilities needed when working up high. With the revised telescoping upper boom system, highflex operators now have an additional 2.5 m of upper boom reach at their disposal. The maximum total length of the telescoping upper boom system with jib (RÜSSEL®) is now 18.5 m – another practical, market-leading feature.

Ideal for “under and over” as well as “over and under”

The new highflex models still feature RUTHMANN’s tried and tested “upright work basket.” This innovative concept provides tremendous benefits at the job site. When navigating around objects high off the ground (e.g. under existing pipelines), the jib can be carefully positioned to allow work to be carried out behind the pipe. On highflex models, this advantage is further enhanced by the new work basket/jib design. The swivelling jib provides a 2 x 220° basket rotation

The highflex STEIGER® T 570 HF has celebrated its world premiere at the bauma 2016 in Munich, as well as the T 510 HF. Customers can enter new work areas in the 50 m class with it.



angle. Operators of these new STEIGER® models can easily navigate over objects with the jib in lowered/retracted position and still have a basket rotation angle of up to 440° at their disposal. With this innovative new boom system, assignments on masts/poles, buildings, and overhangs can be carried out with greater precision than ever before.

The second new innovation

RUTHMANN management and engineers soon realized that a second

STEIGER® model could be developed and constructed simultaneously using the same innovative parts/components utilized in the T 510 HF. The second new highflex STEIGER® T 570 HF has a **57 m working height and 41 m lateral outreach.** It offers the same benefits as the T 510 HF, but is designed for **3-axle truck chassis** with a 26 t gross vehicle weight rating (GVWR).

T 650 HF und T 750 HF

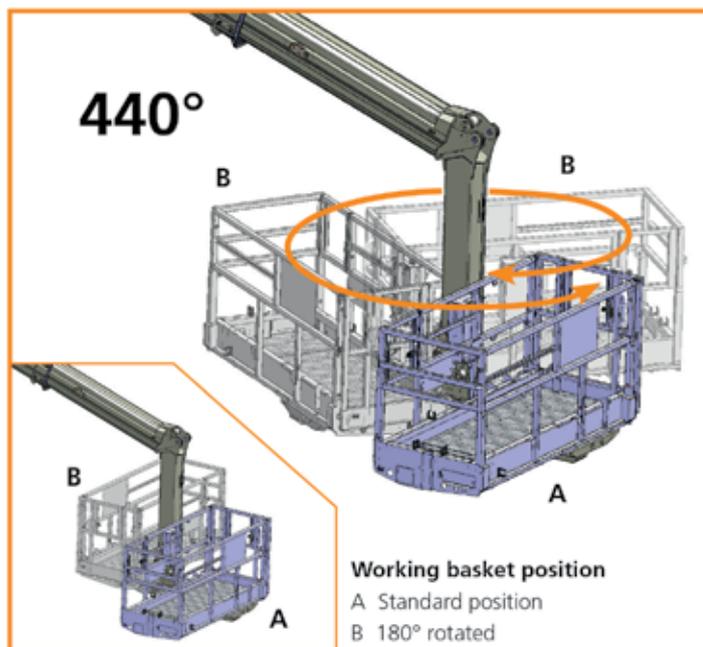
The other two (r)evolutionary highflex developments T 650 HF and T 750 HF are for sale as well, of course. These models with world championship performance data and application-specific user benefits greatly justify the designation „high flex” as well. The T 650 HF and T 750 HF will be presented in October 2016. First units have already been sold.

Highflex chassis selection

As with almost all other RUTHMANNSTEIGER® units, highflex models are available on a wide variety of different makes and models. There are all-wheel drive chassis for amazing off-road capabilities, vehicles under 4 m in height with compact overall length, and GVW-compliant trucks with sufficient load capacity. The STEIGER® advantages are truly astounding.

Many useful accessories

On models in the popular HEIGHT performance-STEIGER® series, customers can choose from a wide range of options. The two newest models in this series are no exception. The list includes hybrid powertrains, outrigger LED flood lights, folding seats and TV camera brackets, Lift-Up Systems, material winches, diverse heating systems, and hyCLEANER® adapters. Almost anything is possible. Standard options such as outrigger pads and box bodies on loading beds are, of course, also included.



The basket rotation angle of 440° enables working from behind objects that were previously reached through ‘up and over and back’. Learn more on Youtube.



ROADSHOW
 highflex STEIGER®’s

Touch and feel the new HEIGHT performance highflex-models. Book a demonstration!

This early summer in the UK. Please contact:
 Access Sales International
 Mr. Darren Sutton
 Phone: +44 871 8714284
 E-Mail: ds@asionline.co.uk
 Web: www.asionline.co.uk

Rest of the world. Please contact:
 RUTHMANN Headquarter
 Phone: +49 2863 204-0
 E-Mail: info@ruthmann.de



JLG 1500AJP is the world's largest articulated boom

platform capacity 450kg or 270kg unrestricted. Genie focused on its new 60ft Z60/37 - both hybrid and DC - together with the 450kg capacity 45/25XC.

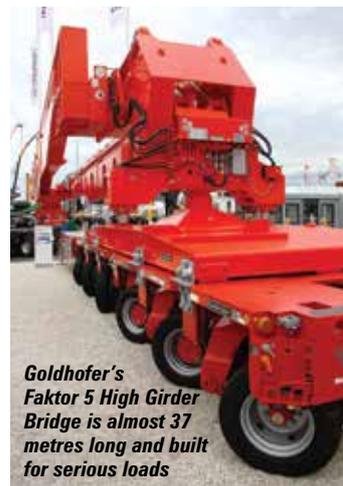
Other stand-out/unusual products included the new 39 metre Magni 360 degree telehandler, along with a new 20 metre/6,000kg straight frame to compete with JCB. Manitou showed a new sub-compact telehandler in the form of the MT420 - perhaps the new Buggyscopic? New loader cranes were out in force, including a surprise new range from Comet and a prototype from Soosan, some interesting mastclimber and hoist solutions particularly from French company XL and some mega transport products including a massive girder trailer as well as numerous crawler crane piling rigs.

Together the six man Vertikal editorial team - including two new trainee journalists - covered around 200km, taking more than 3,000 photographs! With limited space available we hope you can appreciate that we cannot include them all!

As well as celebrating 50 years, Genie launched this Z 45 XC with extra capacity



Manitou showed the MT420H - the new Buggiescopic - measuring 1.49m wide and 1.9 metres high



Goldhofer's Faktor 5 High Girder Bridge is almost 37 metres long and built for serious loads



Largest telehandler was the 39 metre Magni RTH 5.39 S sold to the UK's GT Lifting



As well as its range of access platforms, Comet also unveiled this range of loader cranes



There were many weird and wonderful machines including this Sennebogen



NRC Plant in the UK has purchased this new Maeda CC1485 mini crane



Spierings SK597-SK4



success and market leadership.

Bigge Crane and Rigging celebrating taking a further three Liebherr LR1300s making a total of 51 LR1300s - the biggest fleet in the world



The Saez SZ-357 telehandler with 3.5 tonnes capacity and lift height of 7.24 metres



Europe Lift trailer mounts showed several products including this TM18GT



BKL raised this Liebherr LTM 1100-4.1 to good effect



Geda had a lot of products on its stand



The two Vertical girls with the Bauma show guide



CMC S25 hybrid



Linden Comansa's tower crane stand



Maeda sold the first MC815 to Hird UK



Alu Truck Crane AK 46/6000

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- ▶ Payload max. 6.000 kg
- ▶ Lateral range 1.000 kg / 26 m
- ▶ Fully variable outriggers

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ATN's latest spider the Mygale 23



Good crowds even early on a damp day



Palfinger PK.165.002 TEC on a four axle truck



A distinctive display from RUD chains



Comet was showing this new Eurosky 14.6 - with 14 metre working height but only 1.6 metre wide outriggers. Electric power is also an option



Palfinger launched the new P150 AJTK spider lift



The ATN Piaf 12E with a Piaf 1000R in the foreground



There were many sizeable piling rigs - this one is from Bauer



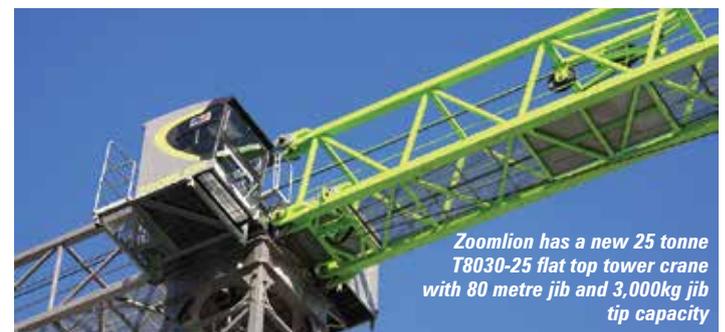
Dingli had one new scissor - the JCPT0607DCS - and one new articulated boom



Holland Lift managing director Eline Oudenbroek lends a hand to prepare a new machine - or just a very fancy brochure rack



Versalift unveiled its 20,000th van mount delivered to Swarco the international traffic management group



Zoomlion has a new 25 tonne T8030-25 flat top tower crane with 80 metre jib and 3,000kg jib tip capacity



Isoli's new 20 metre PT200J on a very busy stand



Cela stand with the DT24 spider and Brennero spider cranes



Giant 4548 Tendo HD compact telehandler



Haulotte was showing its new heavy duty telehandlers and two new telescopic booms



Jekko showed off its new MPK50



The Faraone stand



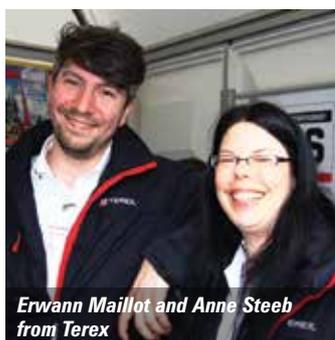
Mait T35 telescopic crawler crane



Currently Ruthmann's largest, the T720 will be surpassed by its 75 metre truck mount to launch later in the year



If heavy transport is your thing then Bauma is the place to go



Erwann Maillot and Anne Steeb from Terex



Koichi Tadano CEO of Tadano at the press conference



Eugenio Magni talking telehandlers



Eric Lacombe (L) and Pascal Mayard of French rental company Acces Industrie



Brennero's M300 spider crane



TCM showed off its 35 tonne RTC 35



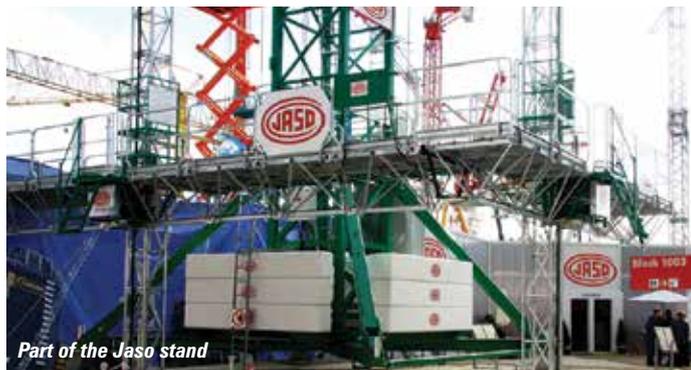
Some cranes are just better being used as vantage points



Scissors, booms and push arrounds from ELS of Turkey



JCB celebrated the production of its 200,000th telehandler



Part of the Jaso stand



Soilmec SC-1 120HD - a 120 tonne heavy duty crawler



Wacker Neuson's new TH627 telehandler



It's raining men



Kiesel KMD-RDC2



President of Goman access platforms Shuguang Xia



President of Skyjack Brad Boehler



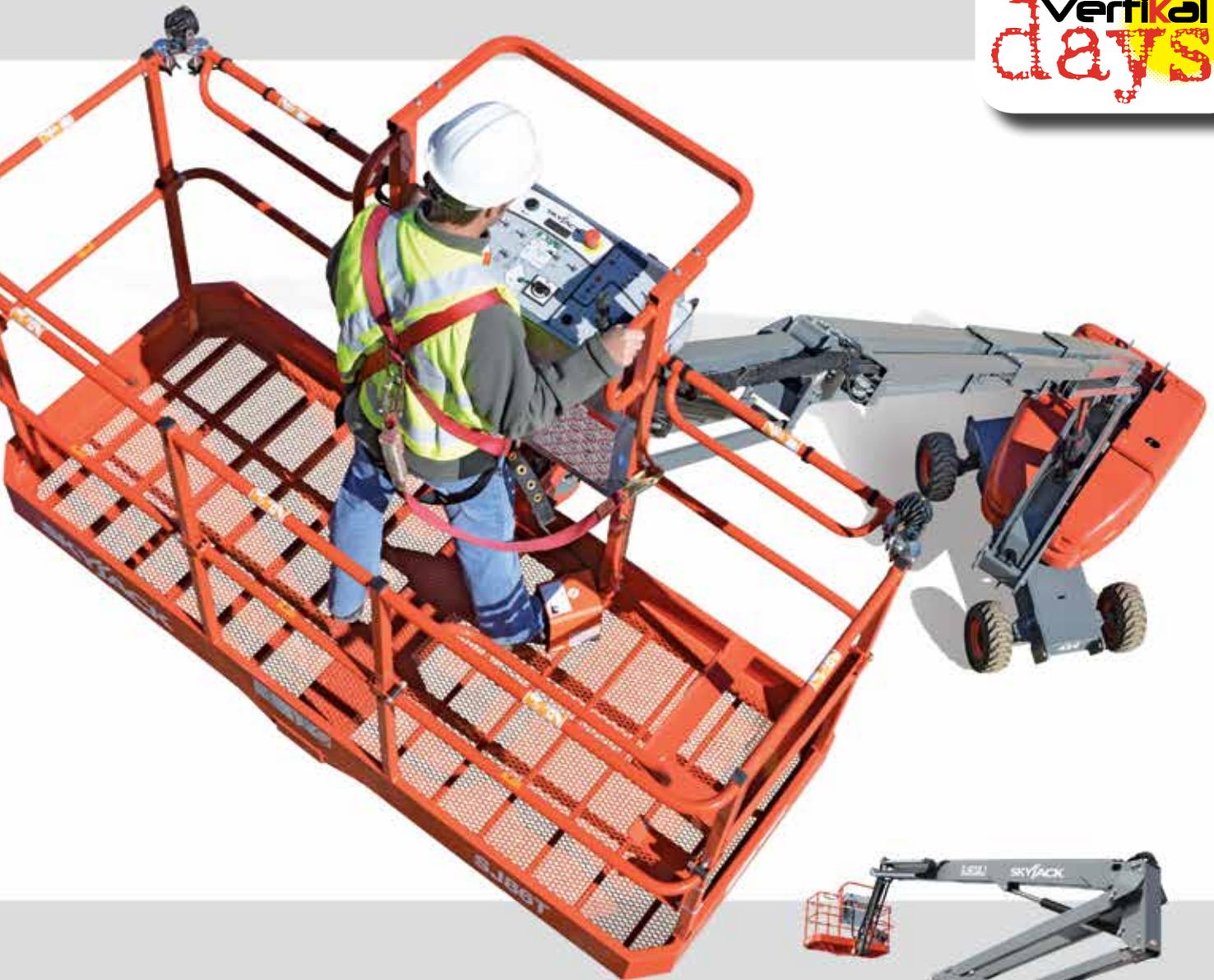
Malcolm Kitt of Easy distributor King Vehicle Engineering with Emanuele Sorianini of Easy Lift



Link-Belt had its new TCC-1400 on show

SIMPLY RELIABLE BOOMS

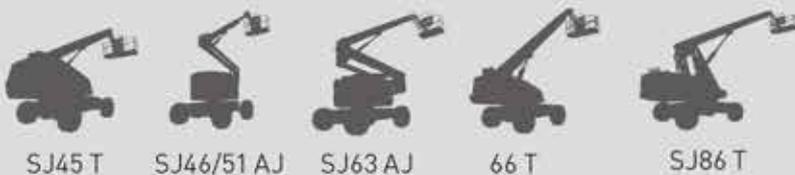
SEE US AT
**Vertical
days**



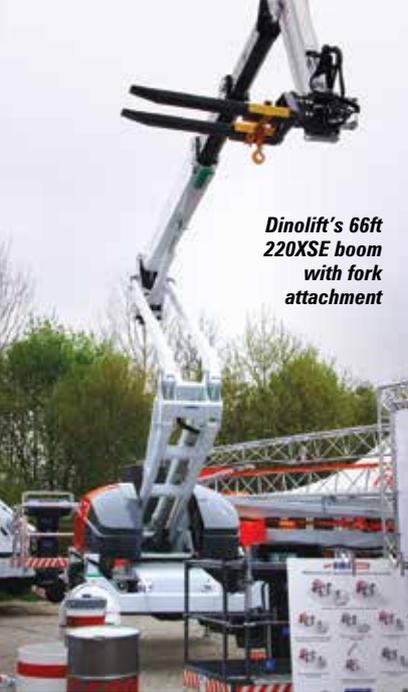
Skyjack product has always been designed to be easy to service and maintain. Today, our reputation built on Scissor Lifts, is recognized in the Skyjack range of Boom Lifts.

From the high capacity capability of the SJ86 T to the innovative SJ63 A boom, inspection times of 10 years and with a range of unique features, Skyjack booms offer the rental industry's best life cycle value through low cost of ownership, ease of service and maintenance and impressive residual value.

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Dinolift's 66ft 220XSE boom with fork attachment



France Elevateur showed this two axle truck mounted 354 TBE



Palazzani's new 22.3 metre TSJ23.1 with 10.3 metres of outreach and 250kg in the basket

Holland Lift HL-190 H20



Kiesel KML 30



Cormagh 575000 AXO E9 has an 80 tonne lift capacity



Beam handling jib from Jekko



JMG had several pick&carry cranes on show



Grove GMK5150L - its latest 150 tonne capacity addition to the AT range



Liebherr luffing tower crane



Easy Lift launched this new EV15 van mounted platform



Grove's new GRT8100



Kiesel tracked platform



Haulotte Star 10, Star 8S, 6 and Star 6 Picker - all new product launches



Link-Belt had its new TCC-1400 on show



Brennero BG Lift M60



Manitou entered into the party atmosphere



Yes this really is a woman strapped to a bendy pole mounted on a spider crane being driven by remote control....



Ormig's 55-60iE industrial pick and carry crane



Hidrokon 100 tonne AT 4100



New van mounted manufacturer Klubb showed off its five model range



Moog was showing several underbridge units - this has a 23.2 metre working height and can go 21 metres below ground level



Make some noise for... Demag



Unveiled at last year's Vertical Days, Grove showed off its new 250 tonne GMK5250L