

Magni TH at Bauma 2016

4 April 2016 by Magni Telescopic Handlers

Magni TH will be present at the next Bauma edition at booth FS 1107/9 with a surface of 670 sqm. Many models from both ranges will be displayed and indeed the 39 meters will be the most interesting one.

On our stand it will be possible to see one RTH 5.23 Smart, compact chassis and pivoting stabilizers, one RTH 5.25 Smart S, compact chassis and scissors stabilizers, one RTH 5.26S, one RTH 5.30S, one RTH 5.35S and RTH 5.39S, medium size chassis and scissors stabilizers.

There will be also an HTH 30.12, as representative of heavy telescopic handlers.

It will be also available on the ground a working cab to be tested by visitors.

From our 2nd edition of Bauma we expect to receive even more visitors with the result of more visibility for our products also because this year we will have a more central position booth.

We expect to widen even further our dealers number world wide to reach a better density on our sales network and to be nearer to our costumers.

On our booth will be present main personalities of our company, from technical, sales, aftersales and even spare parts departments.

Moreover as a sign of the tradition of the made in Italy there will be an Italian catering for all our customer.

Smart S Range: Compactness and flexibility

From the first models of "Smart" range with pivoting stabilizers, has developed the newborn "Smart S" range which is comprehensive of 21m, 23m and 25m models, built on the same "Smart" compact chassis but with scissors stabilizers which grant more flexibility and better lifting performances; it is in fact true that with these models you can always stabilize the machine in gauge, without even the need of extending outriggers.

These models were commercialized already in 2015 but the official presentation will take place at Bauma 2016.

5.39S: Innovation, height and performance

After RTH 5.35 S Magni Telescopic Handlers has overtook itself projecting and manufacturing an even higher model: the RTH 5.39S, which is now the highest working height telescopic handler in the world.

This brand new model, which will be unveiled for the first time at Bauma 2016, has some very special features:

1. The chassis is just the same of RTH 5.30S and has been reinforced to resist the big strains to which the machine is exposed in working at such an height, in fact this model, at 38,7 mt, has a maximum lifting capacity of 2 tons; in fact this model allows to work on a building up to the 13th floor.
2. The transmission is composed of a Euro 4 final Mercedes Engine with 170 kW/ 231 hp, one Bosch Rexroth hydrostatic piston pump and a Bosch Rexroth hydrostatic motor.
3. The hydraulic circuit is load sensing with 350 bar operative working pressure and face seal fittings connections and consists of a Bosch Rexroth hydrostatic piston pump and a 7 elements Danfoss distributor with SIL 2 safety standards, with double electronic check of the position and of the direction of the spool. Another small distributor from Bosch is installed to manage stabilizers.
4. The cabin reflects the standards of all RTH machines: it is pressurized with 100% inlet air filtration, air conditioning, panoramic windshield from bottom to top, double electro-proportional CAN BUS joysticks, ROPS and FOPS certification, Magni Combi Touch System (MCTS) which is a touch screen interface to the operator which allows to manage the whole machine through 5 main pages, it guides operator with written messages during the use of the machine and it is very efficient for auto-diagnostics in electric and electronic trouble shooting.
5. The patented boom: this is one of the biggest innovations of this model since it consists of 6 elements with 2 cylinders for extension placed outside the boom itself, and inside there are just hoses and pipes. In this way hoses have more available space to move during extension and retraction of the boom and this avoids accidental breaks.

Another peculiarity of the boom is the way in which it is managed by the software: the first 4 sections are activated by the cylinder placed on the upper side of the boom and they move proportionally with the chain extension system. The 5th element, which is the biggest and the heavier, is managed by another cylinder placed on the lower side of the boom, which works in a proportional way to the boom angle; this means that the more the angle increases the more the 5th element extends. This extension system has been developed to keep a good load capacity on the wide horizontal reach, otherwise the weight of the 5th element would

reduce too much the load capacity of the machine; things are different in the vertical sense instead since in this case the weight remains close to the load center of the machine.

This model represent for us a great step forward in the market of telescopic handlers; in fact, if equipped with our special men platform it can reach 51 m working height. This special platform can extend the working height of 12 m.

This machine, as all the others of our ranges, is a 3 in 1 machine and if equipped with the right attachment, can perform more than one task: crane, men platform and telescopic handler. In particular 5.39S can substitute men platforms working at a big height and tower cranes when equipped respectively with a basket or with a winch / jib winch, thanks to its competitive price and its versatility.

All our models are equipped with Euro IV final engines (Mercedes or Deutz) and so it is since beginning 2015, so we can say that Magni TH has been the first with this step of technology on the whole range.

After 3 years of activity, more that 500 machine on the market we can surely say that Magni is an emerging brand which is gaining a relevant position in the worldwide market thanks to the passion of the person working in the company and to the quality of the products resulting therefrom.

FIX BOOM RANGE

On our booth on Bauma 2016 will be also displayed the first model of fix boom telescopic handler from Magni TH. This machine will be a TH6.20 with a maximum capacity of 6 ton and a working height of 20 mt.

The range will be initially composed by 3 models: 10, 15 and 20 meters working height and all these machines will have the following features:

1. Same pressurized and air tight full visibility cab of RTH with standard heating, air conditioning and 100% inlet air filtration; cab will be fitted also with our touch screen and MCTS system to control the machine.
2. Both hydraulic circuits, movements and transmission, are Load Sensing and the hydraulic is electronically managed with optimization of engine power curves (less fuel consumption) and flow sharing (more safety and precision).
3. Electrical circuit is completely in CAN BUS; this improves aftersales service since it makes possible to have an integrated diagnostic on touch screen without any additional tool, the possibility of remote

assistance and faster trouble shooting; also the life and quality of the machine is improved as it has 2/3 less wiring on itself with a consequent reduction of electrical failure.

4. 4SL:

1. Side Shift
2. Suspension
3. Lateral Stability

It's a patent developed by Magni TH thanks to which we can achieve to have a side shift of the boom of 5° each side with machine stabilized; to have hydro-pneumatic suspensions and a control of the lateral stability on fix boom machines.

Source: MAGNI TELESCOPIC HANDLERS SRL