Distributors preview the new all terrain flagship: ATF 220G-5

The fourth and, to date, largest all terrain in Tadano Faun's Global series was unveiled at the second International Distributor Meeting at the Faun factory in Lauf, Germany on 7-8 March.

Distributors from 15 countries, gathered from the Middle East, Asia, South Africa and Oceania to see the new ATF 220G-5 put through its paces on the testing ground.

The ATF 220G-5 has a maximum rated capacity of 220 tonnes at 2.5-metre radius over the rear. At 3-metre radius through 360° it can lift 176.5 tonnes.

The seven-section boom extends from 13.2 metres to 68 metres. As with all Global series all terrains, the boom telescopes using a single hydraulic cylinder to reduce weight and maximise lifting capacity. It can telescope under partial load. For added reach there is a 13.2/37.2 metre boom extension with an integrated 5.4 metre heavy-duty jib that can be off-set at 0°, 20° or 40°.

As expected, it has been designed to be an exceptionally strong lifter. With maximum 71 tonnes of counterweight, at 20-metre radius it can lift 30.4 tonnes; at 40 metres it can lift 10.6 tonnes; and way out at 60 metres it can still lift 3.9 tonnes.

The main and auxiliary hoists have a maximum single line pull of 109kN and a maximum rope speed of 128 m/min.

The Liftadjuster system, which prevents the load from swaying, comes as standard and the Tadano AML system has a working area limiter.
The development of hydraulic mobile cranes at Tadano

Part 1: The early years

In 1955 Tadano introduced Japan's first hydraulic crane, the OC-2 truck crane, which had a maximum lifting capacity of 2 tonnes. It was developed in response to a customer request for a lifting device that could be mounted onto trucks in service. Responding to demand for greater lifting capacities, the OC series was extended. The OC-3, OC-5 and the OC-7 (rated at 3, 5 and 7 tonnes respectively) all soon followed.

In 1964 Tadano developed the 8-tonne TS-80. This was a significant advance on the OC series, with full lifting capacities through 360° slewing. The TS-80 had X-type outriggers and a swingaround jib, housed along the side of the base boom section.

In 1965 Tadano began production of the TM-30 truck loader crane. Lifting capacity was 2.9 tonnes. It had a four-section boom, with the third and fourth sections extended manually. It had a single winch with an automatic brake. It was leading-edge at that time, and went to work for the Japanese Antarctic exploration team near the South Pole in 1966.

In 1970 Tadano introduced Japan's first rough terrain crane, the TR-150, with a rated capacity of 15 tonnes.

Further developments in the rough terrain range soon followed. In 1978 the TR-250M was launched. Rated at 25 tonnes, it had a multiple data transmission device to permit communication between the upper swing frame and the undercarriage. The TR-250M received the 11th Machine Industry Design Award from the Ministry of International Trade and Industry in 1981. This contributed toward its sales success, leading to steadily increased market penetration.

Milestones in Tadano’s history

1948 Tadano Ltd. is founded and a factory established for manufacture of cargo handling equipment.
1955 Tadano introduces Japan's first hydraulic truck crane, the OC-2 (2 tonne capacity).
1963 Introduces the TM series of truck loader cranes.
1965 Introduces the TS series of truck-mounted cranes, mounted on commercial trucks.
1966 Introduces the TL series of truck cranes, mounted on specially designed carriers.
1970 Introduces Japan's first rough terrain crane, the TR-150.
1971 Introduces the TG series of large-capacity truck cranes.
1978 Introduces the TR-250M rough terrain, which wins 1981 design award of the Ministry of International Trade.
1980 Opens new factory in Shido, in Kagawa Prefecture.
1982 Introduces the 120-tonne capacity TG-1200M truck crane
1983 Introduces the AT series of aerial platforms.
1987 Opens the Tadano Ryogoku Building in Ryogoku, Tokyo.
1989 Establishes Taiwan Tadano Ltd.
1990 Introduces the TG-3600M truck crane (360 tonnes). Acquires the crane and vehicle divisions of Faun AG and creates Faun GmbH, a wholly owned subsidiary.
1991 Establishes Tadano Faun GmbH in Germany.
1992 Builds new administration building at Shido Factory. Establishes Tadano Faun Holland BV.
1993 Establishes Tadano America Corporation.
1994 Introduces the SuperDeck series of aerial platforms.
1995 Introduces the Crevo series of rough terrain cranes.
1996 Receives ISO 9001 certification. Total cargo crane production to date exceeds 300,000 units.
1997 Establishes Tadano South China Co., Ltd. in Hong Kong.
1998 Introduces the all terrain AR-5500M (550 tonnes).
1999 Celebrates the 50th anniversary of incorporation.
2001 Introduces Crevo 200 EXC in Europe.
2002 10th anniversary celebrations of cooperation with Faun, and founding of Tadano Faun GmbH.
2003 Introduces GT-550E truck crane (55 tonne) for Asia.
2004 Establishes BK-Tadano (Beijing) Crane Co., Ltd., China’s first JV company for manufacturing truck cranes.
2005 Opens Tadano Middle East Representative Office, Dubai.
2006 Begins three-year factory reorganisation and expansion to increase production capacity in Japan by 30%.
2007 Begins serial production of truck crane chassis for GT-550E (55 tonnes) at Shido factory.
2008 Construction begins on new factory in Tadotsu.

Next issue: Part 2: The range revised and the impact of regulations
First G-series all terrain in SE Asia

Singapore rental company Hiap Heng has taken delivery of a new ATF 110G-5, the first Global series Tadano Faun all terrain in Southeast Asia.

Hiap Heng president Mr Foo See Han (above, with his new crane) said that he had decided to buy this model after seeing it at the 2004 Bauma exhibition in Germany and he was delighted to finally be able to take delivery.

"Tadano cranes are easy to maintain and the product support is good," Mr Foo said.

As soon as the new five-axle 110-tonne capacity crane arrived, it was sent straight to work on Jurong Island, a petrochemical hub.

Mr Foo, aged 65, started his career as a heavy equipment mechanic and set up his own rental business in 1980. Today Hiap Heng has 30 employees, including 21 operators, one for each crane. The crane fleet ranges from 20-tonne up to 160-tonne capacity.

Singapore distributor Multico also has an order for a 160-tonne capacity ATF 160G-5 from Hiap Tong, another local rental company.

A special ceremony to mark the donation of a Tadano crane was held on 8 April 2006 was held at Ahu Tongariki in Easter Island, Chile.

Ahu Tongariki, also known as Rapa Nui, was the site of the largest of the Moai statues but was subjected to enormous damage in 1960 when a massive tidal wave generated by an earthquake off the coast of Chile toppled and scattered the statues.

Fifteen of the Moai statues were re-erected in the 1990s using a first rough terrain crane that was donated by Tadano.Now, a 60-tonne capacity TR-600XL rough terrain has been donated for further restoration work.

The hand-over ceremony was attended by more than 30 people, including the 5th State Governor of Chile, Ivande La Maza, the island’s Governor, Carolina Hotus Hey, the Chilean Ambassador to Japan, Daniel Carvallo and the Councilor of the Japanese Embassy in Santiago, Mr Imai in addition to senior Tadano staff members led by president Koichi Tadano.

The ceremony began with the national flags of both countries being raised, singing of the Rapa Nui song and rites of purification by a priest. This was followed by the official presentation. Koichi Tadano handed a crane key with a commemorative plate showing Moai statue carvings to the Governor and received a souvenir from the Ruin Preservation Council of Chile. The event was completed by a banquet and a display of traditional Rapa Nui dancing.

The arrival of the crane was enthusiastically greeted by local inhabitants, who cheered "Hurrah, hurrah, Tadano".

The donated crane will work on the second phase of the Moai restoration project including an alter, Te Pito Kura.
Al Hamid Group distributes a wide range of industrial construction machinery, including Iveco trucks, New Holland earthmoving equipment, Kawasaki loaders and dozers and Mitsubishi forkifts— in addition to Tadano mobile cranes. It has one of the biggest and most modern workshop facility in UAE, with 24 bays.

Al Hamid Group was established in 1982 and has represented Tadano in the Emirates since 1992. Since then, it has secured a significant share of the mobile crane market for Tadano.

The company is owned by H.E. Sheikh Mohammed Bin Butty Al Hamid, who is chairman. Vice chairman and managing director is Sheikh Saif Bin Mohammed Bin Butty Al Hamid.

There are showrooms in Abu Dhabi, Al Ain and Dubai and roughly 275 employees.

General manager Joseph Mathias says that Al Hamid has sold more than 500 Tadano cranes since 1992 out of a total of some 2,000 new and used units sold in the UAE in this period. Al Hamid only sells new machines, not used ones.

With the UAE going through a construction boom, demand for cranes is particularly high.

Last year Al Hamid sold nearly 90 cranes—its best ever year—with the TG-500E and TR-500EX models most in demand. Mr Mathias forecasts that 2006 will be even better. He expects Al Hamid to sell more than 100 cranes this year. Recent deliveries include several all terrains from Germany, ranging from the ATF 45-3 to the ATF 110G-5. Soon to arrive are the first ATF 160G-5 units in the region.

Further growth is widely predicted for 2007 because many new projects have been announced in Abu Dhabi, exceeding 160G-5 units in the region.

Contact

Tadano Ltd International Division
4-12, Kamezawa 2-chome,
Sumida-ku, Tokyo 130-0014, Japan
Phone: +81 3 3621 7762
Fax: +81 3 3621 7785
E-mail: tdinfo@tadano.co.jp

Tadano Faun GmbH
Faunberg 2, PO Box 100264,
91206 Lauf, Germany
Phone: +49 9 123 955 0
Fax: +49 9 123 3085
E-mail: info@tadanofaun.de

Tadano Faun Holland BV
Antennestraat 6, 3903 LZ Veendam, The Netherlands
Phone: +31 38 546 700
Fax: +31 38 542 282

Tadano Ltd Middle East Representative Office
PO Box 18302, LOB 14-212,
Jebel Ali Free Zone, Dubai, UAE
Phone: +971 4 887 1353
Fax: +971 4 887 1703

Tadano Ltd Beijing Office
Jing Guang Centre, Rm 2905,
Hu Jia Lou, Chao Yang Qu,
Beijing, China
Phone: +86 10 6597 3210
Fax: +86 10 6597 3220

Tadano South China Company Ltd
Room 1803, 18/F Seaview Commercial Bldg,
21-24 Connaught Rd West, Hong Kong
Phone: +852 2544 9310
Fax: +852 2541 5828

Tadano Korea Co Ltd
Rm504, Shin Young Bldg 94-27,
Youngdungpo-Dong a 2-ga,
Seoul 150 901, Korea
Phone: +82 2 714 1600
Fax: +82 2 3274 1304

Tadano Asia Pte Ltd
11 Tuas View Crescent, Multiio Building,
Singapore 637643
Phone: +65 6883 6901
Fax: +65 6883 6902

tadanoamerica.com