

THE MODEL AND THE REAL THING

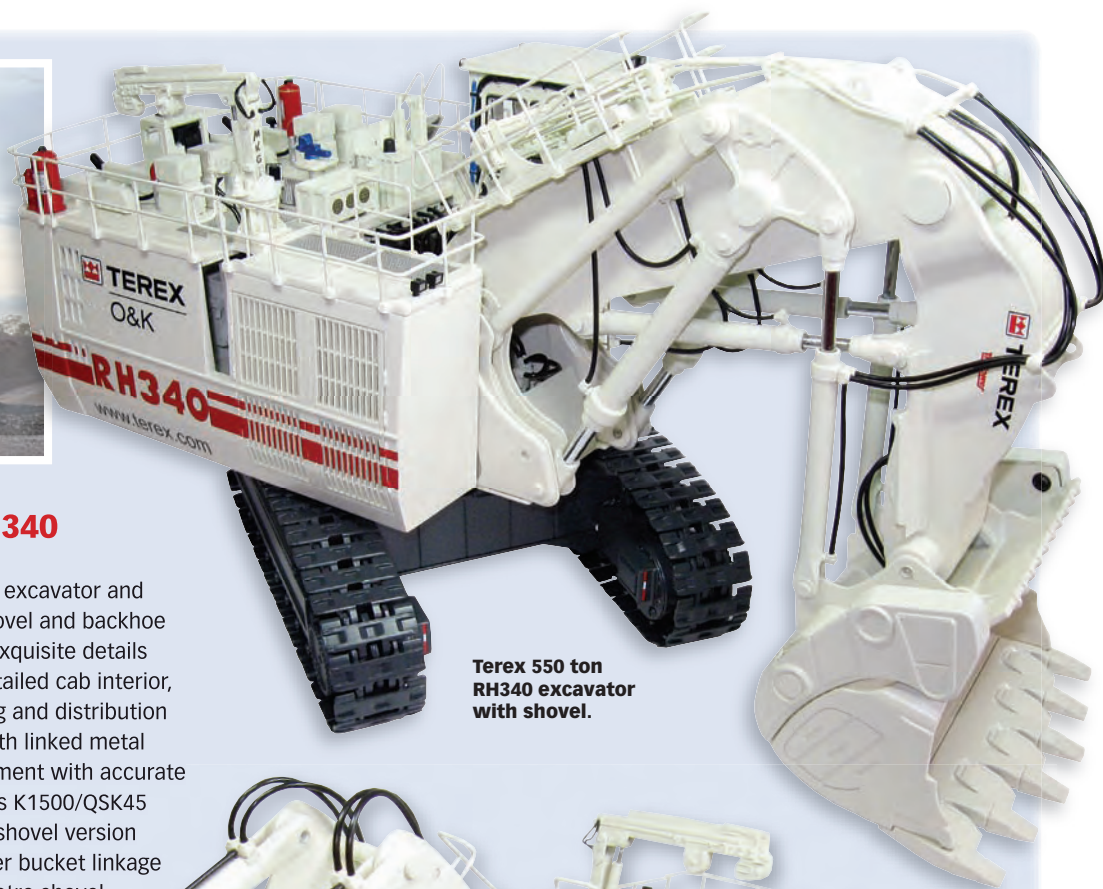
TEREX plant models

Following on from last month, **Steven Downes** looks at the mining, material handling and crane divisions of Terex.

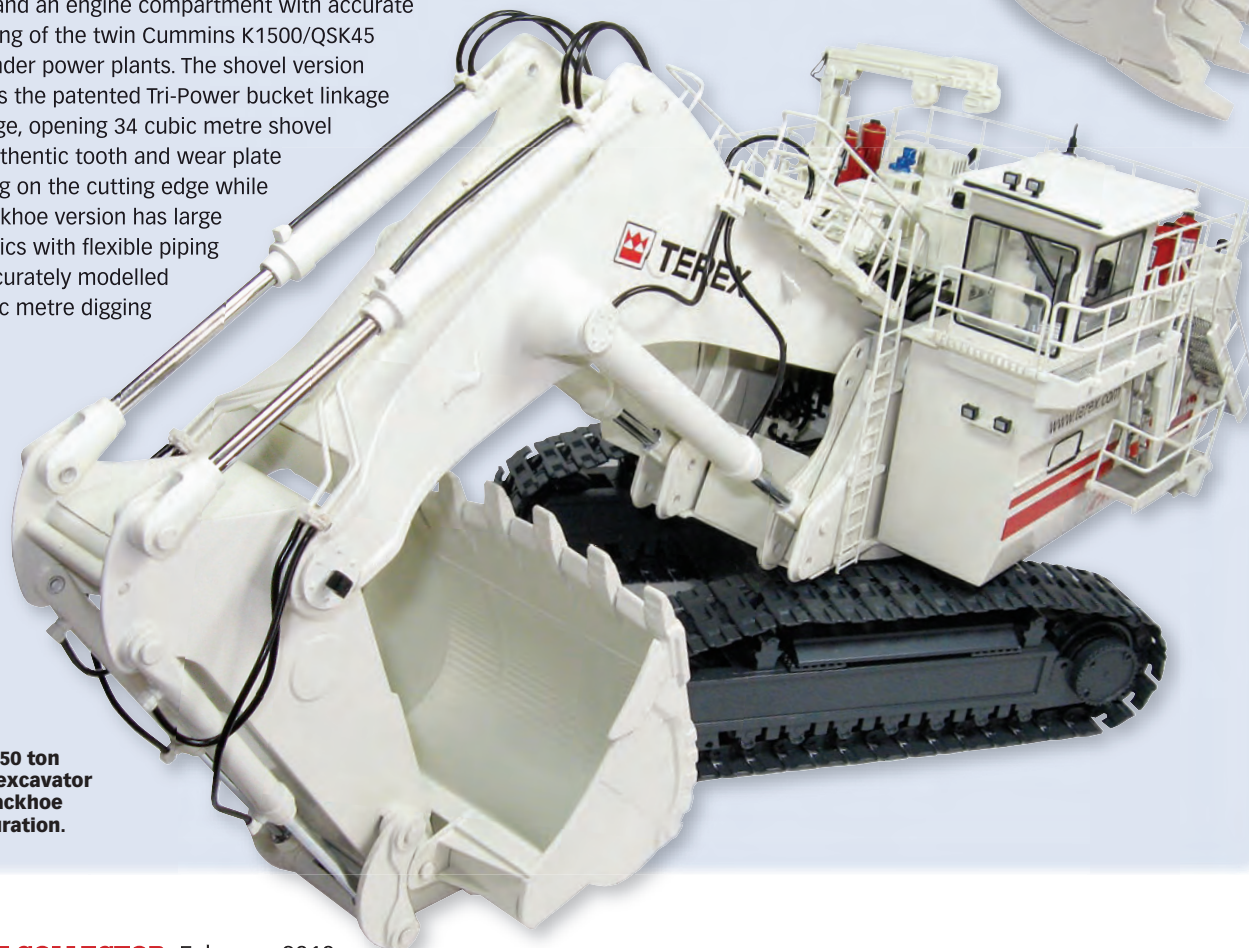


TEREX 550 TON RH340 EXCAVATOR

The 550 ton RH340 is a goliath excavator and has been produced in both shovel and backhoe configurations with a host of exquisite details throughout from the highly detailed cab interior, fully replicated hydraulic piping and distribution block, sturdy undercarriage with linked metal tracks and an engine compartment with accurate modelling of the twin Cummins K1500/QSK45 12-cylinder power plants. The shovel version features the patented Tri-Power bucket linkage and large, opening 34 cubic metre shovel with authentic tooth and wear plate detailing on the cutting edge while the backhoe version has large hydraulics with flexible piping and accurately modelled 34 cubic metre digging bucket.



Terex 550 ton RH340 excavator with shovel.



Terex 550 ton RH340 excavator with backhoe configuration.



Terex has been a major supplier of mining equipment since the acquisition of O&K Mining back in 1998 and three 1/50 scale models are currently available. Each has been accurately produced by BYMO (Bavarian Scale Models) to exacting standards and a detail level previously unseen on a mass produced model.

The Fuchs Company was founded back in 1888 and developed and manufactured advanced agricultural machines, introducing its first compact excavator in 1950 and became part of the Schaeff group in 1985. From this point on, Fuchs continued to develop industry leading machines in the material handling and loading sector and became a part of the Terex group in 2002.



BYMO 240 TON MT4400AC MINING TRUCK

To complement the RH340 models, BYMO released the 240 ton capacity MT4400AC mining truck which houses a highly detailed replica of the 16-cylinder, four-stroke diesel engine and GE GTA41 Alternator at the heart of the chassis along with functional suspension and steering of the large wheels with authentic treaded rubber tyres.

The twin stage hydraulic pistons allow the large dump body to tip to a realistic angle revealing more of the chassis detailing underneath. The cab is equally well detailed with replicated interior, accurately scaled safety railings and access ladder and replicated weighing display panels on both sides of the model.



TEREX FUCHS MHL454 LOG LOADER

The 32 Ton Fuchs MHL454 log loader was introduced in 2006 and is a specialised machine designed for wood handling applications, equipped with a 236hp Deutz six cylinder in-line turbocharged Tier3 diesel engine, a rugged undercarriage with tight turning radius of only 5.5 metres and an infinitely variable hydrostatic drive transmission capable of an impressive travel speed of 25km/h(16mph).

The 1/50 scale model from NZG features a large, removable grapple and high rise cab with detailed interior which can be tilted forward into a transport configuration which is a nice touch on the model. The large undercarriage with working steering and dozer blade gives the model a sturdy footprint and the cab protection frame fitted to the cab adds a little extra realism to the model.



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TEREX FUCHS MHL350 MATERIAL HANDLER

The MHL350 scrap handling machine is also from the Fuchs range and in 2005, the 1000th machine rolled off the production line. The 1/50 scale model presented here from Conrad is an updated design from the original release. The functional high-rise linkage keeps the cab parallel to the ground across the full range of movement, while the four fold-down outriggers allow the wheels to be raised off the ground. The five-tine scrap grab is made of plastic to get all the fine details of the full-sized attachment including opening blades and flexible plastic piping. The updated model is finished in the new colours with silver cab, dark grey hydraulic cylinders, cab riser frame and grab along with silver coloured wheel hubs.



BENDINI RC45 ROUGH TERRAIN CRANE

The Terex Bendini RC45 rough terrain crane has a maximum lift capacity of 44 ton and a maximum extended boom length of 37.4 metres. Powered by a Cummins six cylinder diesel engine and Dana powershift transmission, the crane can achieve a top travel speed of 34km/h with four wheel drive and four wheel steering. The 1/50 scale model from NZG is a highly-detailed replica, capturing many of the details of the full sized machine. The undercarriage houses four extending outriggers with screw-down pads and both axles have working steering with accurately-moulded rubber tyres. The main boom has a stiff hydraulic cylinder capable of keeping the boom at any chosen angle and a side-mounted, fold-out extension jib can be attached to the boom head using the supplied pins. The twin winch drums can be wound using the included winding key and two load blocks (one 3-pulley hook and one headache ball) are supplied with the model.



DEMAG AC100/4 MOBILE CRANE

Demag, Bendini and PPM are just some of the acquisitions that make up the Terex Crane division. The Demag Company was acquired back in 2002 and one of the latest products is the AC100-4 mobile crane. The carrier sports a 455hp Daimler AG diesel engine and ZF AS-Tronic automatic transmission whilst the crane engine is a 175hp Daimler AG diesel power plant. Conrad have recently launched a 1/50 scale replica of the AC100-4, which features a four-axle chassis with working steering of all axles, along with H-pattern, two-stage outriggers with threaded stabiliser pads that can be lowered to give the model a sturdy base. The five-section telescoping boom can be fully extended and has spring-loaded clips housed inside the boom sections to lock each section in the fully-extended position. A two-section fold out lattice jib with three-position angle adjustment is carried on the side of the boom and can be attached to the boom head with the supplied plastic pins. The upper structure has removable main and cheek counterweights as well as a replicated tilting cab and textured diamond-plate deck panels.



PPM AC40/2L TWO AXLE CRANE

The latest Terex crane model from NZG is the PPM AC40/2L which is a two-axle mobile crane with five-section telescoping boom and swing-out, single-section jib. The chassis appears to be the same casting as the previous AC35 model, with functional steering of both axles and four extending outriggers, with pads that can be lowered for added stability. Both cabs have reproduced interior detailing visible through the large clear windows and the paint finish is crisp and even with accurate placement of the Terex markings.



■ The Terex Fuchs models featured in this review are available from the new Terex Online shop at www.terex-construction-shop.com and all models featured here are available from specialist construction model dealers.
■ For the latest news and rumours in the world of construction, mining and heavy lifting models, visit www.miniature-construction-world.co.uk