

NEW MODEL FARMER AND COMMERCIAL MACHINERY WORLD



Case IH Puma X 140

DAVID WYLLIE
REPORTS

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Valtra T254 Tractor

Claas DISCO 3600 FC Front Mower

Claas DISCO 1100 C Rear Mower

1/32 • By Britains

More
step-by-step
GUIDES
inside



**LATEST
HIGHLIGHTS
& REVIEWS**



1/32

JCB 542-70 Loadall

Latest telehandler model
from Britains



1/32

Scania R500

6x2 Truck
from MarGe Models



1/32

New Holland T6.180

RUSSELLS '100 Years'
Commemorative Tractor



1/35

Hitachi ZW100-6

Hasegawa wheel loader
Kit Build

PLUS: BUILD ARTICLES, WEATHERING, COLLECTOR PROFILES, SHOW REPORT



BROWNS MODELS

Pioneers of 1:32-scale Vintage Model Farm Tractor Assembly Kits since 1976, providing excellent quality and value for the discerning modeller or collector

Since we returned to the Vintage Model Tractor Market place a year or so go, a steady stream of modellers have either returned to us, or have become our new customers and friends. Young and old, many of you have explored our website, not only from Britain and Europe, but also from as far afield as Wisconsin USA. Some have ordered straight away, whilst others have asked questions, or entered into email conversations before taking the plunge. Feedback to date has all been positive. Initially, we started the ball rolling, by producing subtly improved versions of the 1/32 scale tractor kits we launched in the 1980s.

Before we could finish an all new model, and due to considerable public demand, our latest release is a reworked version of our original Standard Fordson in 1941 or 1944 form. It comes now with either rubber tyres or steel wheels, along with a host of other tweaks.

We have learnt from feedback that customers would prefer to have their models ready assembled and customised to meet their needs. So from 1st March, 2022, our models will only be available ready made and ideally collected from Tynemouth or a suitably arranged place. Postage, no matter how carefully packaged will be at the buyers own risk.

1936 Ferguson Brown Model A

The first true production Ferguson tractor, featuring their 3 point linkage, was produced for them by David Brown. This model is no longer available.



1937 John Deere Model B

Introduced in the mid 30s, the originals were referred to as "Unstyled". It came in 3 forms, Tricycle (Paired front wheels), BN Single front wheel, or BWV, with a wide front axle. Choose solid or spoked wheels, and optional mudguards. The driver featured is available separately.



1943 John Deere Model B

This second version from the early 1940s was essentially the same tractor but with modernised tinwork, hence "Styled". It also came in 3 forms, Tricycle (Paired front wheels), BN Single front wheel, or BWV, with a wide front axle. Choose solid or spoked wheels, and optional mudguards. The driver featured is available separately.



1941 & 44 Fordson N

A reworking of our original 1976 kit. This depicts the Fordson N tractor in its early or late WW2 form, as supplied to farmers by the WarAg committees during the war. Available with either Wide or Narrow mudguards, its green livery was apparently for camouflage. Available on steels or rubbers, with low silencer or vertical exhaust and lots of additional detail.



To place your order, or for more details, please visit our website www.brownsmodels.co.uk

email me on info@brownsmodels.co.uk or write to Browns Models, 19 Manor Road, Tynemouth, North Shields, Tyne and Wear NE30 4RJ

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Welcome

It has been an interesting month with Guideline Publications looking to acquire the Farm Modeller magazine title and as we go to print, regrettably, Guideline Publications has been unable to complete the deal due to a last-minute decision of the owner of Farm Modeller magazine. It was our intention to support the readers and subscribers of Farm Modeller magazine and many of you may now be confused about the press releases that have been made on social media leading up to the publication of this issue. We are disappointed that we were unable to come to an agreement with the owner of Farm Modeller and wish Farm Modeller magazine all the very best with their next move.

New Model Farmer magazine offers a wide range of topics and stories and we are always looking for contributions from our readers, so please get in touch if you would like to feature in the magazine, and for anyone that has submitted articles to Farm Modeller that have not been published, please get in touch. We pay for all submissions that are published in the magazine.

In this issue, we have eight pages of model news for 2022 along with a selection of model reviews of the latest releases, and soon to be available models. We begin a three-part diorama series by José Brito on the construction, painting and weathering of buildings and diorama bases and a 'how-to' on adding oil and grease effects to models. We have collector highlights from Trevor Garrett and Antoine Van Houtte with a report by Jaco Van Den Broek on his visit to the Hardenberg model show.

With Covid restrictions lifting, we can look forward to model shows once again, so come along to the Spalding model tractor show on the 3rd April where I would be delighted to have a chat with you about the magazine, and its content. Show details can be found on page 37.

I hope you enjoy reading this issue.

Steven

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Wiking

For a Summer release, Wiking are hard at work producing both 1/32 and 1/87 versions of the latest Claas combine harvester, the Trion which will be released as both a wheeled, and Terra-trac version with Convio 1080 header and transport trailer. Also being updated are the Fendt 1050 and Fendt 942 tractors which will receive a facelift and include the new FendtONE driver's workplace.



1/32 – Claas Trion Combine Harvester with Convio 1080 header. Will be produced in both wheeled and Terra-Trac tracked versions.



1/87 – Claas Trion Combine Harvester with Convio 1080 header, produced in both wheeled and Terra-trac versions.



1/32 – Kemper 490 Plus Header (Item 2129).

1/32 – Concrete Slabs (set of 10) (Item 2130).



MarGe Models

MarGe Models continue to produce a varied range of new items, with the latest releases being a Kemper 490 Plus header which comes with an adaptor to allow it to fit the Claas Jaguar forage harvester models. Also new is a Meiller brand three-axle tipping trailer from their Transport Series which features a tipping body and pivoting tailgate. This will be reviewed in the next issue along with the New Holland FR780 forage harvester which comes with both maize and silage pickup heads. The model has already been announced in two different limited-edition versions by model dealers and the Claas Jaguar has now appeared in a limited-edition series in the Const.Serv SRL company decoration. Joining the new items is a set of ten concrete slabs.



1/32 – Meiller 3-axle Tipping Trailer (Item 2123-01).



1/32 - New Holland FR780 Forage Harvester (Item 2125).



1/32 – Claas Jaguar 990 Forage Harvester – Limited Edition (Item 2207).



1/32 - New Holland FR650 Forage Harvester – Limited Edition (Item 2126).



1/32 – New Holland
T8.435 Genesis Tractor
(Item 43339).

1/32 – Claas Jaguar
980 Forage Harvester
(Item 43285).



1/32 – John Deere X9
1100 Combine Harvester
(Item 43310).

Britains

Not all the planned 2021 releases from Britains made it last year, with many of them now expected in the next two-three months. Some of the new items are reviewed in detail this issue, while we can still look forward to the John Deere 7R 350, 8R 370 and 8R 410 tractors, Ford TW20 and a muddy version of the Landrover Defender, all in 1/32 scale. Other 1/32 scale models coming later this year include the John Deere X9 1100 Combine harvester, Massey Ferguson 6S.180 tractor, New Holland T8.435 Genesis and T6.180 Blue Power tractors, JCB 3CX Sitemaster Plus backhoe loader, New Holland 1290 Plus Big Baler and Kane Tri-axle silage trailer. There are also some re-issues including a Kane 16 tonne grain trailer, land roller, Kverneland Plough and NC rear discharge manure spreader.

1/32 – Claas 850 Axion
Tractor (Item 30229).



ROS

It has been a busy time for Ros who have been producing a number of limited-edition models of New Holland tractors with the imminent release of two new models, the Claas 850 Axion tractor and the Kuhn Espro 6000RC seed drill, both models produced in 1/32 scale. The Claas tractor is also being released in a limited edition run of 1000 pieces for Claas as the 870 Axion.



1/32 – Kuhn Espro 6000RC Seed Drill
(Item 60241).



USK Scalemodels

USK Scalemodels have provided details of two new Fendt models currently in development for release later this year. Both are 1/32 Fendt 211 Vario tractors, one as a regular version and one with row crop wheels. No pictures of the prototypes are available at the moment, but are expected to be unveiled soon. Also expected in a couple of months is the Challenger MT867 tractor, also produced in 1/32 scale.

1/32 – Challenger MT867
Tractor (Item 10654).



Universal Hobbies

A number of new 1/32 scale Universal Hobbies models have been unveiled which include a New Holland T7.225 Blue Power tractor with 'No Farmers, No Food' sign board, a Massey Ferguson 5S.145 tractor and a limited-edition Fordson collector set consisting of three tractors mounted to a base in a presentation box with production of only 1000 pieces. Implements include the Lemken Smaragd 9/600K Stubble Cultivator and a Rolland V64 livestock trailer. In 1/16 we have a Ford 7600 '1975 Launch Edition' Tractor with more new items likely to be announced in the coming months for release later this year.

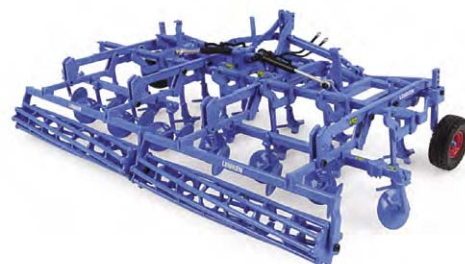


1/32 – New Holland T7.225 Blue Power Tractor (Item UH6352).



1/32 – Massey Ferguson 5S.145 Tractor (Item UH6304).

1/32 – Fordson New Performance Three-Piece Collector Set – Limited Edition of 1000 (Item UH6376).



1/32 – Lemken Smaragd 9/600K Stubble Cultivator (Item UH6289).

1/32 – Rolland V64 Livestock Trailer (Item UH6336).



1/16 – Ford 7600 – 1975 Launch Edition Tractor (Item UH6374).

AT Collections

We are still waiting for the Volvo excavator models announced what seems like an eternity ago from AT Collections and while they are likely to turn up within the next four-five months, AT Collections are busy behind the scenes with a number of new projects in development. As the prototypes are finished and photographed, details of the models will be unveiled. So far, four new 1/32 scale models have been announced and will be available in the second quarter of 2022, a Dewulf Structural 30 P trailed three-row belt planter and three Miedema replicas, the MC 980S belt conveyor, ME 100 elevating conveyor and a MH 240 receiving hopper. Pictures of the prototypes are shown here

1/32 – Dewulf Structural 30 Potato Planter (Item 3200131).



1/32 – Miedema MH240 Receiving Hopper (Item 3200134).



1/32 – Miedema ME 100 Elevating Conveyor (Item 3200133).



1/32 – Miedema MC 980S Conveyor (Item 3200132).



1/87 – MB Trac 1800
Tractor (Item 26696).



1/87 – IHC 1455 XL
Tractor with rear Duals
(Item 26697).



1/87 – John Deere
4955 Tractor
(Item 26688).



1/32 – John Deere 5100 R
Tractor (Item 7865).



1/32 – John Deere 7800
Tractor (Item 7870).



Schuco

Last year, Schuco announced a number of new models in both 1/18 and 1/32 scale including die-cast replicas and resin models, some of which were delivered during 2021 with many still waiting to be released. New items in the Edition 1:32 include John Deere 8400, 5100 R and 7800 tractors, two Kirovets tractor releases with slight changes from previous issues, a Case IH 1255 XL and Case IH 956 XL tractors, Fortschritt ZT 323, MB Trac 1800 Intercooler tractor, Unimog U1600 and a set of three mechanic figures in John Deere overalls. Farming implements in the Edition 1:32 range include a Fortschritt B200 semi mounted plow with B402 disc harrow and a Rabe Super Albatros plow with Rabe GH 5000 cultivator. There are three new models from the Edition 1:87 Range which include the John Deere 4955 tractor, MB-Trac 1800 in a silver finish and a IHC 1455 XL tractor with rear duals.

1/32 – Kirovets K700 A
Tractor with Mechanics
(Item 7846).



1/32 – Kirovets K700
Tractor with Twin
Wheels (Item 7845).



1/32 – Case IH 1255 XL
Tractor (Item 7787).



1/32 – Fortschritt ZT
323Tractor (Item 7833).





1/32 – MB Trac 1800 Tractor (Item 7608).



1/32 – Doppstadt Trac 200 Tractor (Item 9161).



1/32 – Case IH 1455 Tractor (Item 7809).



1/32 – Mercedes Unimog U1600 (Item 7753).



1/32 – Fortschritt HW 80 HA Trailer (Item 7831).



1/32 – Fuchs 301 mobile crane with clamshell grab and wrecking ball (Item 7768).



1/32 – John Deere three figure mechanics set (Item 3915).

The Pro.R32 range from Schuco are made from a combination of resin and plastic, allowing highly detailed replicas of rare and exotic vehicles in a limited production run. New models planned for 2022 include a Doppstadt Trac 200 tractor, IFA KS07/60 tracked tractor, John Deere 7520 and 8020 articulating tractors, Lamborghini 1256 DT, Same Buffalo 130 Tractor and a Volvo BM 350 Boxer with and without cabin. Also resin and plastic, the Pro.R18 range are 1/18 scale replicas and include the John Deere 7610 tractor.

1/18 – John Deere 7610 Tractor (Item 0532).



TOMY / ERTL

By far the largest brand in the Tomy/Ertl product line is John Deere and there are a number of new models planned for release in 2022 from their Precision, Prestige and Replica ranges. First up is the 1/16 John Deere 620 Tractor with 555 plough from their Precision series due in June, with a number of new releases in the Prestige series, consisting of a 1/16 730 tractor with towed grain drill, 1/32 scale 9R 540 wheeled and 9RX 590 tracked tractors, 1/32 7R 330 row crop tractor with dual rears and three 1/64 scale releases of the John Deere 9R 640 with duals all-round, 9RX 640 tracked tractor and 7R 330 with front and rear duals.



1/32 Prestige Range – John Deere 8R 410 Tractor with Duals all-round (Item 45706).

1/32 Prestige Range – John Deere 7R 330 Row Crop Tractor with Dual Rears (Item 45723).



MODEL FARMER NEWS

1/32 Replica Range
– John Deere 8R 370
Tractor with Duals
all-round (Item 45754).



1/32 Replica Range –
John Deere 9RX 540
Tractor with Duals
all-round (Item 45773).



In the Replica range, there is a new 1/16 scale 4020 (Happy Birthday) tractor, No-Till Seed Drill and a Late Model B Tractor with FFA logo, 1/32 scale 9R 540 wheeled and 9RX 590 tracked tractors which are also being released in 1/64 scale, as are the 7R 330, 8R 340, 8R 370, 4850 and 5020. Rounding out the new John Deere models is a 1/64 vintage 7720 Combine Harvesting set, consisting of the 7720 Combine with Grain and Corn headers, 4555 Tractor and 500 Grain Cart.



1/64 Replica Range – Vintage 7720
Combine Harvesting Set (Item 45821).

1/16 – John Deere 4430
Tractor (2022 Two Cylinder
Club limited edition).



There are four limited edition John Deere releases planned for 2022 from Tomy which include 1/16 scale 9R 640 and 9RX 640 tractors, 1/16 scale 4430 tractor and a 1/32 John Deere 75th Anniversary X9 1100 Combine Harvester with C16F Corn Head and HD45R Draper Head. Pictures shown are of the prototype models.



1/32 Replica Range –
John Deere 9RX 590
Tracked Tractor (Item 45774).



1/16 – John Deere 9RX
640 Tracked Tractor



1/32 – John Deere
x9 1100 Combine
Harvester (75th Anniversary
Limited Edition).

1/16 – John Deere
9X 640 Tractor with
Duals all-round.



LATEST NEWS & REVIEWS

For the Case IH Prestige Collection, there are a number of new additions for 2022 in scales 1/16, 1/32 and 1/64. For the fans of the big scale, there is the International Harvester 966 tractor, Farmall Super MD with Blue Ribbon decal, Farmall 706 (Happy Birthday) tractor, Farmall Super M with FFA logo, Farmall 115A with L575 loader, Case IH AFS Connect Steiger Quadtrac 580 and the Steiger 620 four-wheel drive. In the smaller 1/32 scale is the Farmall 856 tractor with rear duals and ROPS and the International Harvester 1466 tractor with rear duals. For the 1/64 scale, we have the Case IH Patriot 4350 crop sprayer, Case IH 8950 Magnum tractor, Case IH WD2505 Windrower, Farmall M with Blue Ribbon logo and the International Harvester 1466 Black Stripe with FFA logo.

1/16 – Case IH AFS Connect Steiger 620 four-wheel drive (Item 44239).



1/16 – Case IH AFS Connect Steiger Quadtrac 580 (Item 44238).



1/16 – Farmall Super MD with Blue Ribbon Decal (Item 44286).



1/16 – Farmall Super M with FFA logo (Item 44268).



1/16 – Farmall 115A with L575 Loader (Item 44254).



1/16 – International Harvester 966 Tractor (Item 44281).



1/16 – Farmall 706 (Happy Birthday) Tractor (Item 44279).



1/32 – Farmall 856 Tractor with rear duals and ROPS (Item 44271).



1/32 – International Harvester 1466 Tractor with rear duals (Item 44272).



1/64 – Farmall M with Blue Ribbon Logo (Item 44277).



1/64 – Case IH 8950 Magnum with rear duals (Item 44274).



1/64 – International Harvester 1466 Black Stripe with rear duals and FFA Logo (Item 44276).



1/32 – Versatile 620 with duals (Item 16430OTP).



The Ertl Prestige Collection includes three new Versatile releases, the 620 four-wheel-drive articulating tractor with duals all round in 1/32 scale which is being produced in a run of 2500 pieces and in 1/64 scale, the 580 four-wheel-drive tractor with duals all round and the 620DT tracked articulated tractor, both in runs of 5000 pieces. 🌱



1/64 – Versatile 580 4WD with Duals on the left (Item 16430OTP) and 620DT on the right (Item 16431OTP).

Rounding out the Ertl offerings for 2022 are four new models which include a 1/16 Ford 8N with Duals as a 75th anniversary piece, a 1/32 New Holland T8.380 with row crop tyres and a pair of 1/64 releases, a Ford 5000 with FFA logo and a Speedrower 260 Plus Self-propelled Windrower, both due for release in June.



1/16 – Ford 8N 75th Anniversary tractor with Duals (Item 13970).

1/64 – Ford 5000 with FFA Logo (Item 13980).



1/32 – New Holland T8.380 with row crop tyres (Item 13976).



New Holland T6.180 Tractor 'RUSSELLS Centenary'

According to Russells, they took inspiration from an iconic Ford 7810 silver jubilee tractor to create a limited edition run of the 1/32 New Holland T6.180 tractor in a blue and silver decoration with blue printing of the logos and 100 years details. Universal Hobbies have done a great job in realising the model which is now available to order. The blue coloured chassis contrasts well with the silver bonnet and cabin. At the front, folding arms on the linkage reduce the length, while fold down to accommodate implements. The front wheels steer, all wheels are freely rotating and the rear linkage is adjustable. The cabin interior is fully kitted out, with all the various levers modelled and highlighted with blue handles. Exterior cabin details include grab rails, screen wiper, side mirrors, a pair of amber beacons and roofline work lights with painted lenses. The Russells logo is printed at the top of the front windscreen with 100 printed on the rear fenders.



Above:
An eye-catching decoration is at the heart of this centenary commemorative release.



Above:
All proceeds from the sale of the models will be donated to the Yorkshire Air Ambulance.



VERDICT



A very stylish colour scheme implemented well by Universal Hobbies.



The printing is crisp and contrasts well over the silver base colour.



The cabin interior is busy, with plenty of detail.



The front linkage is height adjustable with the arms foldable.

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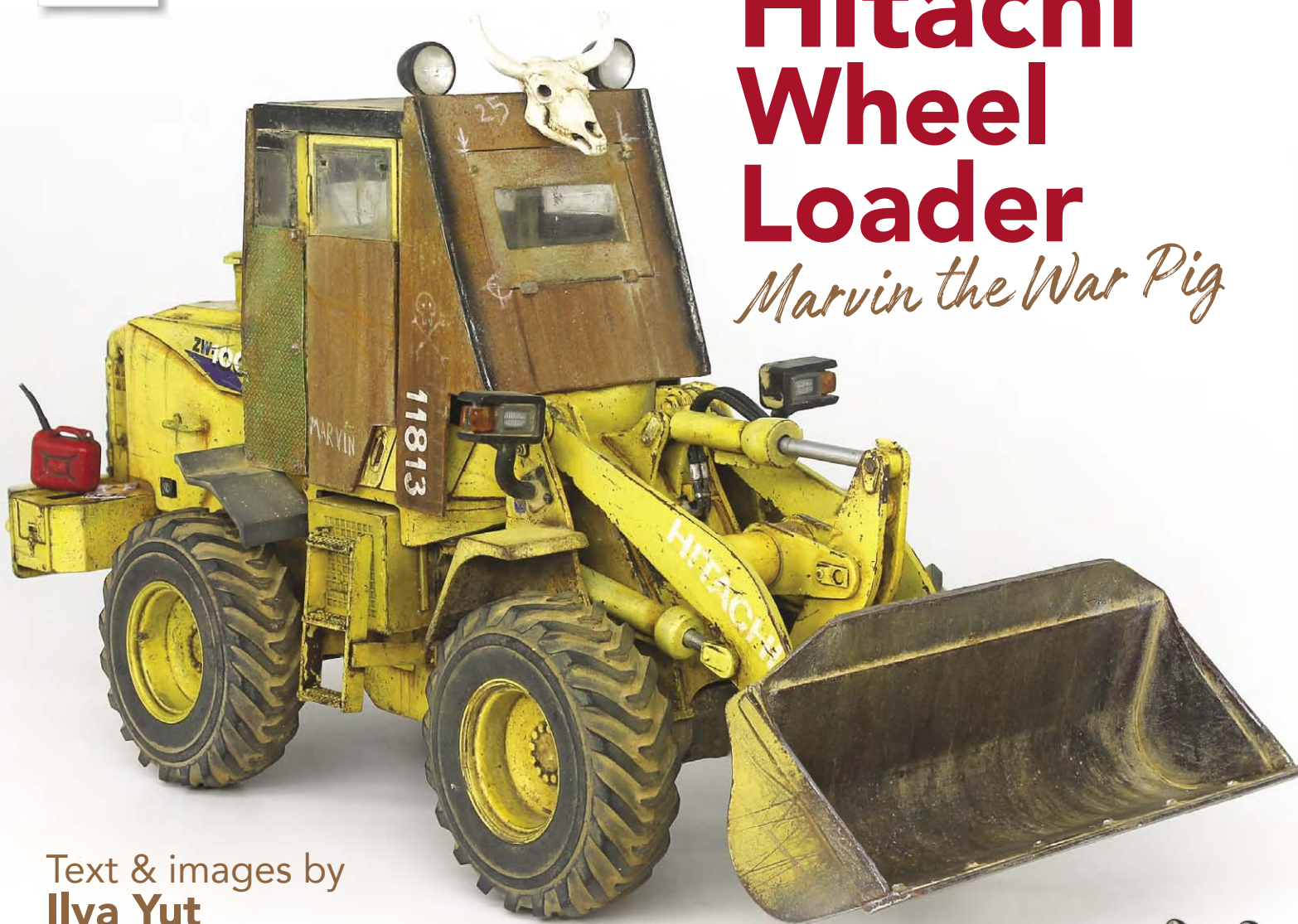
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Hitachi Wheel Loader

Marvin the War Pig



Text & images by
Ilya Yut

Pre-painted model.

I've been building 1/35 armour models since the 1990s and two years ago, I decided to try other genres using similar modelling techniques. Among other kits acquired for experiments, I bought a Hasegawa 1/35-scale Hitachi ZW100-6 Wheel Loader (ref. 66004). It was not my first construction vehicle (see for example my MiniArt 1/35 Lanz Bulldog build in Model Farmer issue 6), but the first one to be both modern and in 1/35 scale. Initially I wanted to finish it as an entirely civilian, out-of-the-box model, but became inspired by an older MIG Productions resin model of their military wheel loader with add-on rusty armour plates, so my plans changed.



The kit itself is okay with no major fit issues, although there are way too many ejection pin marks that are noticeable and needing of attention. The last one was only noticed after the base colour had been applied, so I had to fill it in and repaint the area. The plastic itself is fine and the parts fit well. They are moulded in several different colours so look rather toy-like before the base coat is applied. Rubber hydraulic hoses are included in the box which is a nice addition with the treaded tyres also made of rubber. To date, there are no resin aftermarket wheel kits to replace them.

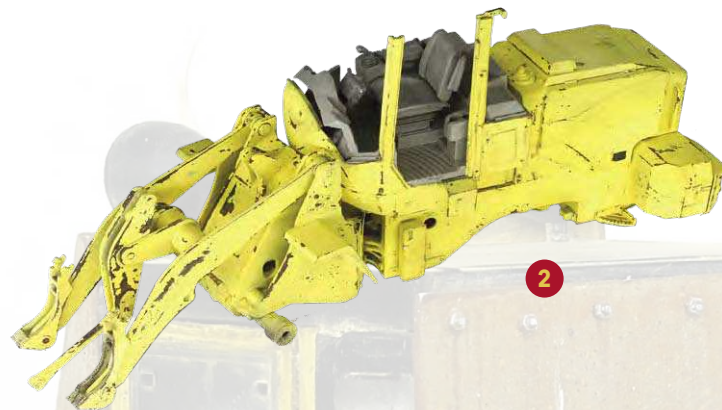
The armour plates were cut from plastic sheets and engraved photoetched plates by Aber. The bolts come from one of the many Masterclub's nuts and bolts sets, a cheap and useful accessory for a variety of subjects. Several weld seams were made from stretched sprue, textured with thin glue and a modelling knife. I added headlights on the roof, taken from an Elf kit with superb reflectors. The door handles were not fitted as they would otherwise interfere with the armour plates. The last addition were the tire nipples, lacking on most wheeled vehicle kits, made from stretched sprue to finish off the model.

The Hasegawa decals were a real disappointment, being so bad that some of them dissolved in the water, and those that didn't added silvering that I couldn't fix with varnishes and Micro Set/Sol. Sticking them to clear parts was almost impossible, so I just painted the respective areas with acrylics.

I really liked how the various features of the original have been implemented, from the moving hydraulic cylinders for the loader arms and bucket to the articulating chassis and oscillating rear axle. It was also handy that the kit can be easily disassembled into sub-assemblies for easier painting and weathering.



I started with airbrushing the base coat. My plan was to weather the loader and the dark brown colour would imitate rust. The interior was airbrushed with grey, again using Tamiya acrylics.



The chipped and scratched paint finish was achieved using the hairspray method, airbrushing one or two coats of AK Interactive Worn Effects (AK088) chipping fluid and letting it dry for several minutes. I then sprayed a layer of yellow Tamiya acrylics and after several more minutes, I dampened the model with water and began removing the yellow layer with brushes and other tools, exposing the rust patches, chips and scratches. This method is never very precise or totally controllable (at least in my case) but you can get to the rusty look rather fast. It's better to do that in sub-assemblies than on the entire model at once.

Speaking of colour, the photos show that Hitachi vehicles are mostly painted in orange, but I thought that yellow would contrast better with rusty add-on armour. It wasn't a completely accurate build, and I used some artistic license along the way.



The resulting wear and tear were not precise enough, so I used Vallejo acrylics to fix that using fine brushes and a sponge. Once the tedious process was finished, the model was covered with Tamiya Clear (X-22), diluted heavily with alcohol to obtain a satin finish. The smooth surface helps me to deal with decals, oils, enamels and pigments.



Decals were applied next, using Micro Set/Sol products. I did the best I could, but it must be said that Hasegawa's decals are inferior to the MiniArt decals I had applied on the Lanz tractor.



The interior will be barely visible with the cabin pretty much closed in by the armour plating, so I didn't invest too much effort in weathering it. Dry brush, wash and pigments was enough to get the job done.



A good wash is essential to make the model look truly three-dimensional and emphasize the small details and panel lines. With the acrylic base, you can use any product that you like, be it branded enamel washes by AK Interactive, AMMO, Tamiya or others or simply a tube of good oil paint with some added enamel thinner. A mix of brown and black was the correct colour in this case.

Oil blending was next. I learned this trick in the last few years and since then, I really enjoy this meditative process. There's no rush here as oils dry really slowly when compared to acrylics. AMMO Oilbrushers are faster than artistic oils, but the idea is the same. You have a lot of time to blend them, and you can easily remove them if you don't like the result. Artist's oil paints must be placed on a piece of cardboard and left for some time to let the cardboard absorb the linseed oil. Oilbrushers work well without the cardboard.

I use a fine brush to put small amounts of oil paint on the model, giving it a few minutes before I start blending it with a cheap, small, round or flat brush that is almost dry. The trick here is to get the proper amount of thinner on the brush. It must not be wet, just a little damp. I remove 99% of the thinner with a paper towel for that purpose. Using this method, I added fake shadows around the details and made slight gradients. Dust and grime can also be done this way. Feel free to experiment with various colours. In this case I used dark greys and browns, yellows, orange and even purple!



Some rust was added using AMMO Enamel Light Rust Wash (A.MIG-1004). This is one of my favourite rust products that give a nice texture to the finish. You can also try other branded rust products or oil paints.



Dust and mud on the lower parts of the chassis were done with enamel and acrylic products. I started with AK Interactive Brown Earth Deposits (AK4063) by generously applying it on the lower parts. Once it had dried, I wiped off the excess. Then I speckled more AMMO enamel and Vallejo acrylic mud effects.



Streaks were applied using several colours of oil paints.



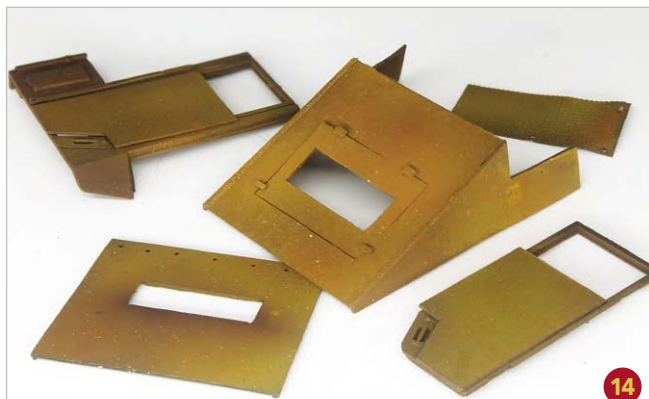
The exhaust pipe was treated separately in a similar way to the add-on armour before applying some yellow over a layer of hairspray. The black exhaust was first airbrushed and then improved with black pigment.



White markings were mostly painted with acrylics using a fine brush with shorter bristles, bought from the shop for makeup products. The numbers were taken from leftover MiniArt decals.



Painting rubber or vinyl wheels is never fun for me as the paint tends to peel off after some time. A fellow modeller advised me to ignore the painting step and apply weathering products directly onto the surface which works fine!



Rusty add-on armour was painted in overall dark brown together with other parts before a brighter rust was sprayed with AMMO acrylics.



Here and there, I sprayed light blue over a layer of hairspray product, followed by speckling of more rust tones from AMMO and Vallejo acrylics to achieve a much richer texture.



Unpainted weld seams look great when you have some burn marks around them. I airbrushed black around the weld seams and then painted the seams with a fine brush which resulted in the nice contrast of shiny metal, burnt areas and overall rusty background.



One of the engraved plates was painted in green and then received some rust over it. Most of the other plates received some streaking using oils.

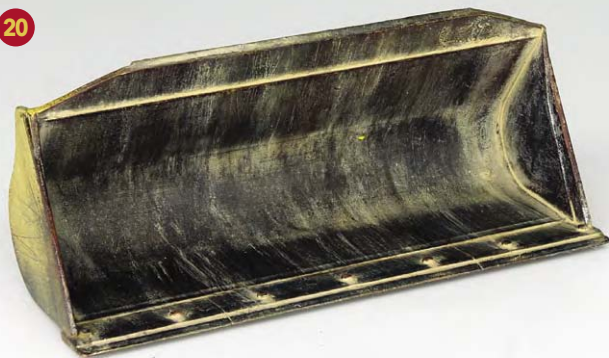


Use of the hairspray technique for imitating wear and tear. AK Interactive Worn Effects and Tamiya acrylics were used.



Weathering the bucket was very challenging for me. And, frankly speaking, I'm not totally satisfied with the result. Anyway, here are the steps starting with bright rust over the dark brown base.

20



Not being satisfied with the progress, I changed the inside of the bucket to a darker metallic look with some dust. Heavy dust streaking was done using AK Interactive's enamel-based Deposits and a filbert grainer type brush.

21



Shiny metal was dry brushed using a dedicated AMMO brush and paint.

22



The rear side of the bucket received some rust using enamels.

23



Dust speckles with enamels were added as a final touch.



24

I glued all the sub-assemblies together before adding the hydraulic piping. Several accessories were added for more visual interest, like the bull's skull which found its prominent place almost by accident, as I had initially considered attaching it to the rear grille, or not fitting it at all. Now I think that the model is complete!

JCB 542-70

AgriXtra Loadall

Right:
The latest from Britains,
the JCB 542-70 AgriXtra
Loadall, complete with
three interchangeable
work tools.



Above:
The pallet forks are a nice
addition to the model.

Below:
The single-stage telescopic boom
extends fully and is nice and tight.



VERDICT



A good-looking replica of the JCB 542-70 AgriXtra Loadall, simple but effective.

Britains have produced a number of JCB models in the past and the latest to be unveiled is the 542-70 AgriXtra Loadall which is a mixture of die-cast and plastic, capturing the aesthetic looks of the cabin, engine compartment and chassis well. The colour match between metal and plastic is noticeable which is a shame, and the chassis is rather simple, with no working steering of the axles. That said, there are some finer details on the model, like the rear light clusters, complete with rear facing work lights, highlighted rear hitch and light clusters fixed to the cabin frame which has a moulded interior capturing the essentials. The telescopic boom extends and lifts, with a rather stiff hydraulic cylinder allowing it to remain in position. There is no hydraulic for the bucket tip function, instead there is a plastic bracket which allows the bucket movement. Attachment wise, there is a high-volume bucket, a silage grapple and pallet forks which are interchangeable.



The spacious cabin interior has been modelled.



The rear trailer hook-up is highlighted, as are the silver finished hydraulic lines.



The three work tools in the box, silage grapple, high-volume bucket and pallet forks.

JCB AgriPro Loadall

75th Anniversary

Last year, Britains released a limited-edition model of the JCB 3CX backhoe loader finished in a special union jack graphics package to recognise JCB's 75th anniversary (1945-2020) and they have now followed up with the JCB 542-70 AgriPro Loadall finished in the same union jack decoration. The printing of the various graphics have been implemented well, with crisp separation of the colours which have been wrapped onto the contours of the chassis and engine compartment very convincingly. The wheels have a matching three-colour design which catches the eye and there are three work tools in the box, allowing the collector to choose the configuration. A note about the packaging: while the model can be removed without causing damage, the same cannot be said for the silage grapple and pallet forks which are held in place with a clear moulded shell which is glued to the cardboard interior.



Below:
The 75th anniversary JCB Loadall with pallet forks fitted.



Above:
The silage grapple has hydraulics operating the grapple function which works well.

Below:
A great duo, the JCB 542-70 AgriPro Loadall and JCB 3CX Backhoe loader in matching decoration.



VERDICT



A striking overall decoration which has been implemented very well.



The printing of the union jack graphics on the engine housing are very impressive.



Even the wheels get a red and blue finish.



The chassis printing of the design is crisply applied.

Valtra T254

Versu Tractor

70th Anniversary

VERDICT



A sturdy model with some nice detailing, particularly the textured grills in the bonnet.



Below:
The 70th anniversary Valtra T254 tractor in a distinctive red and black colour scheme.

Another commemorative model here, this time for the 70th anniversary of Valtra. Britains have released a replica of the T254 Versu tractor finished in a red and black decoration. The all-black wheels and treaded tyres set the tone for the colour scheme with a deep red bonnet, cabin roof

and rear fenders. The interior of the cabin has been modelled in a light grey with plenty of surface detailing of the various controls and switches. The cabin shell can be removed, giving access to the interior and someone with a steady hand could easily highlight the controls to add even more realism. It has both front and rear hitches that can be set

in the lowered or raised positions, the front axle has working steering with guards fitted above the wheels. The cabin exterior has rear view mirrors, front and rear facing light clusters, grab rails, roof window and a pair of amber beacons. The seat has printing of the Valtra logo and 70th Anniversary markings. 



Left:
There is certainly a lot of eye-catching detail with printing used to good effect.



Left:
The model is fitted with both front and rear hitches. Check out pages 48 and 49 to see these in use.



The bonnet grille has a fine texture.



Removing the cabin allows for the two-colour interior to be seen.



There is a front linkage allowing Britains brand implements to be fitted.

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Case IH 956XL

Tractor

Right:
The Case IH 956 XL has already sold out with the model manufacturer, with 2,500 pieces produced.



The Case IH 956 XL utility tractor was first introduced in 1985 with production running until 1992. It was a 90hp tractor available in either two-wheel drive or four-wheel drive and was powered by an International Harvester D-358 6-cylinder engine.

Britains are about to release a 1/32 scale model of the Case IH 956 XL tractor in a limited-edition production run based on a 4x4 chassis. The model is painted in the familiar red and black decoration with silver wheels. The front axle has steered movement and the driveshaft to the front axle is modelled, with treaded tyres fitted front and rear. Mud guards are fitted over the front wheels and a counterweight ballast is fixed to the front of the chassis. The rear has a linkage to allow implements to be fitted, adjusting from lowered to raised position. The cabin interior has a dark plastic moulding with printed instrumentation on

the front console and replicated control levers with yellow highlighted knobs. Rear indicator and brake lights have been painted on with roof line work lights having silver printed lenses and an amber beacon. There is a mixture of metal and plastic with a good colour match, complemented with crisp printing of the graphics along the sides of the engine bay.

Below:
The model has a steering front axle and adjustable rear linkage.



Left:
The red and black decoration has been replicated well in a mixture of metal and plastic.



VERDICT



A limited-edition release which looks good with high play value.



The inset grille and bonnet contours have been captured convincingly.



The cabin interior is finished in black with printed instrumentation and highlighted control levers.



The rear linkage allows implements and trailers to be connected.

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FRANCE 1946

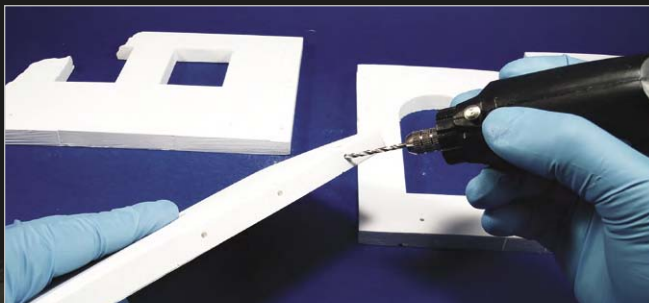
Part 1

José Brito takes us back to a peaceful French countryside scene.

THIS SERIES SHOWS HOW TO CREATE A DIORAMA USING VARIOUS TECHNIQUES AND PRODUCTS.

France 1946: the war is over and the world is trying to move on. It's time to reconstruct and look to the future. I always wanted to make a civilian diorama from this period. A diorama full of colour, a quiet scene with people in their usual daily life, animals walking by... I wanted to show that life always prevails and no matter what, we will carry on.

In this series, I concentrate on the diorama with the techniques I use applicable to a wide variety of different contexts. In the first part, then, I'm going to look at the farmhouse, in many ways the centrepiece of the diorama.



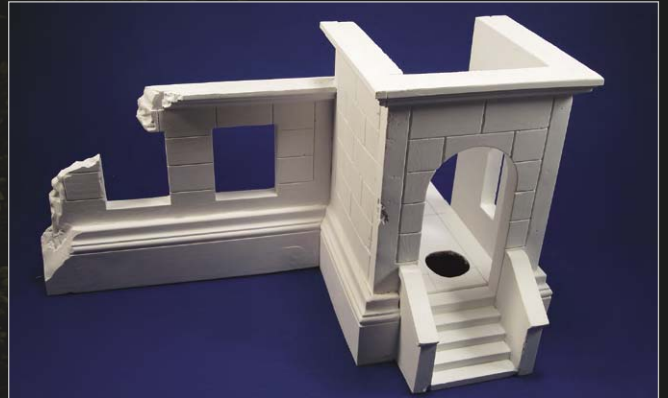
The basis for the house was a plaster kit (ref. B1601) from the Polish company, Archetypon. Included is a set of laser-cut window frames, and clearly presented assembly diagrams. Being made of plaster, the components are fairly heavy, so rather than relying on glue to hold them together, I decided to insert metal pins for added strength.



Having drilled holes in strategic places, I secured the pins with Deluxe Materials' 'Roket Rapid CA Glue' and assembled the building using 'Roket Hot Glue'.



Gaps between the various components were filled with 'Perfect Plastic Putty' (diluted with water to allow it to flow into the seams).



With basic assembly complete, I added a floor (made from plastic card) and cut a hole where a tree would eventually be positioned.



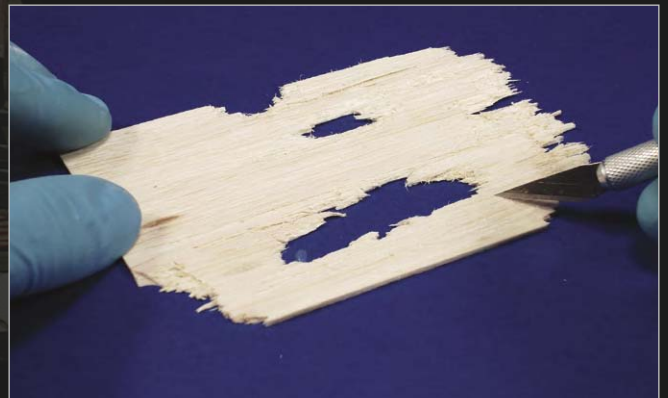
To improve the appearance of the damaged sections of the walls, I cut the edges with a small saw, and added exposed brickwork (made from cork). The individual bricks were attached with 'Roket Cyano Glue Gel'.



More of my cork bricks were used to fill one of the window openings. 'Roket Card Glue' was used to fix these in place, and once this had completely dried, I sealed the bricks with a layer of the diluted putty.

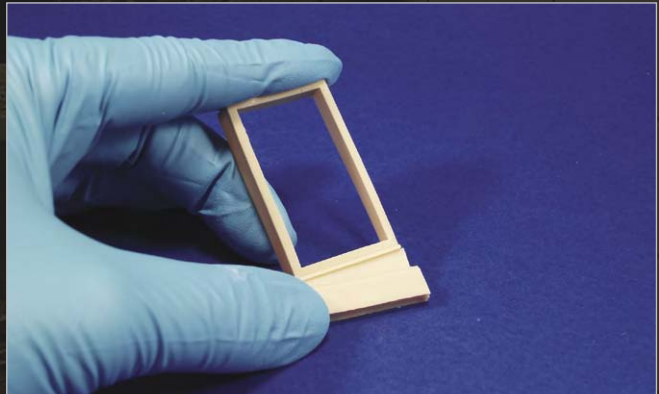


The upper floor was made from balsa wood. By attacking it with a sharp blade, I was able to replicate heavy damage, and create the appearance of rotten floorboards.





Support joists were added, again made from balsa wood, and the floor and ceiling fitted.



Rather than using the kit-supplied window frames, I decided to replace these with a better detailed set (ref. 184) from the Czech company, Plusmodel.



I also added further walls to the building using sections of 10 PCF (Medium) Balsa Foam. As well as being a lightweight material, this is both easy to cut and perfectly suited to this type of work.



All the exposed bricks around the building were treated to an initial coat of Panzer Aces Light Rust (70.301). Applying this well diluted would ensure that the paint filled all crevices.

Once cut to the desired size, the new wall was detailed to match the adjoining part of the building. Exposed brickwork was replicated using one of the 'HS Brik Stamps' from Hamann Studios, and further details were outlined with a pencil before being carved and sanded. Satisfied with the appearance, I attached the additional parts to the wall section with 'Roket Cyano Glue Gel' and 'Speed Bond'.



The remaining parts of the building (including the new wall section) received several coats of diluted Vallejo London Grey (70.836).



Once the base coat was dry, I followed with different shades of grey to provide some tonal variation.



A similar treatment was given to the brickwork, this time using a variety of orange and rust tones, and further lightened with an ivory colour.



A piece of K-Line foamboard was cut to the shape of the ground floor area and covered with '3D floor Tiles – Design A' from Reality in Scale's 'Wall & Floor Covering' range. To reflect the damage with the rest of the building, some of the tiles were removed or broken using a sharp blade.



Areas of the exposed concrete were then painted with Vallejo London Grey, and further greys added to vary the tone. 'Roket Card Glue' and 'Speed Bond Glue' were used to fix the floor in place.



To give the impression of mortar between the courses of brickwork, I applied a layer of heavily diluted putty. Once this was partially dry, I removed any excess with a damp sponge, allowing it to remain in the gaps.



Reality in Scale also produce a range of wall papers, historically accurate in design, and ideally suited to this particular project. I chose Wallpaper H (ref. 35124). Having applied 'Roket Card Glue' to specific areas of the interior walls, I then added the torn sections of wallpaper.

To be
continued
in the
**NEXT
ISSUE**

Case IH Austoft 8810

Sugar Cane Harvester

75th Anniversary



Above:

The model has a height adjustable arm at the front with rotating cutting discs.

VERDICT



An interesting and rather unusual looking agricultural machine replicated nicely in 1/64 scale.

Models to commemorate milestones and anniversaries are quite popular, and that is the focus of this 1/64 scale Case IH Austoft 8810 sugar cane harvester model produced by Ertl. It is finished in an overall black colour with contrasting white printing of the CASE IH logos and Austoft 75th anniversary markings (1944-2019).

The model is constructed from die-cast and plastic with band style flexible rubber tracks fitted to the undercarriage track frames. At the front, there is an arm that can be adjusted in height with a pair of cutting discs mounted in the pivoting head while incorporated into the chassis is the intake where the crop divider and cutter is fitted.

The high mounted cabin gives a good view of the work area, behind which is the engine compartment with walkways and safety railings replicated. At the rear, there is the discharge elevator which can be rotated by



Below:

The elevator discharge chute at the rear can be rotated by 90 degrees either side of centre.

90 degrees to either side of the chassis for unloading the billets with a primary extractor hood and secondary extractor cleaning system replicated.



The single colour cabin interior captures the seat and surround.



The overall black colour makes the model look more interesting.



Access steps, walkways and safety railings have all been replicated.



1/87 Scale Agricultural Replicas



Claas Lexion 770 TT Combine Harvester

The Claas Lexion 770 TerraTrac combine harvester really captures the essence of the original with a lot of functionality. For a start, the front maize head can be detached from the combine and has folding end sections to reduce the width for safe road travel. The tracks are pivoting for uneven ground and the access ladder integrated into the upper platform can be rotated through more than 90-degrees. The cabin interior is modelled in white with all the main components visible, even the safety railings, beacons and mirrors have been replicated. The discharge chute extends from the stored position and the straw blower at the rear can also be adjusted. 🚜



Manufacturer - Wiking
Item - 038914 | Price - €33.49



VERDICT



This is an impressive model with plenty of detail throughout.



HARDENBERG

Show 2021

With the Coronavirus pandemic, it has been almost impossible to plan model shows with most of the regular ones being cancelled or postponed, and yet that didn't stop a group of Dutch model collectors from planning a new farm toy show. Albert Nieuwenhuis had this idea and took the risk to organize the 1st Hardenberg Farm Toy Show that was held on the 11 and 12 December 2021. Together with Andres de Hoon, Henk DamWichers, Corina Heimeriks and Melanie Bultink, they started to plan and organize to make a dream come true. Corina took care of the catering, Melanie did the floor planning and Andres took care of the displays and vendors from the south of the Netherlands, Belgium, France and Italy. The organization had a crew of 22 people who helped to build up the show and everything that goes with it.



Organisers: Albert Nieuwenhuis, Initiator, with catering by Corina Heimeriks (left) and floor planning by Melanie Bultink (middle).

Jaco Van Den Broek attended the show, getting up early on the Saturday morning for the three-hour drive to the Amusemententhal in Hardenberg, armed with vaccination passport, vaccination app, official Covid test and all the other bells and whistles needed to ensure that he could get into the event. He arrived around 7am where he received a lovely welcome from the organisers before entering the showgrounds.

"There were lots of vendors, both foreign and domestic with people busy building up their stalls to show the displays they had created. There was a lot of diversity of the models on view in all different scales, some old, some new, some seeing better days after being played with and vendors selling models and spare parts."

"In the second hall, there was a huge display with RC-trucks and farm vehicles, the whole line-up of the Fiat 90-Series from back in the days, some pulling tractors and some regular tractors with my personal favourite being the Fendt 824 Turboshift."

The organisers told me they had talked with LCN, another large model show in the Netherlands resulting in planning for two shows, the Hardenberg show in the spring and the LCN show in the autumn at its usual slot on the third weekend of November.



This is what I call a perfect job well done. This Challenger TG 845 Articulated Self-Propelled slurry tanker is made by Mattia Tommassini from Mantova, Italy with all the bells and whistles on it...a 100% copy of the original of Visch B.V. from Doornspijk, the Netherlands.



John Deere 7430 with a Tridem Bossini slurry tanker near an open slurry pit to fill up for the next tour. A very beautiful small display with high-end detailing made by Mirko Zaccarelli, Italy.

A very beautiful New Holland Clayson 8070 display, made by Mirko Zaccarelli from Italy.

Very nicely detailed with the Fiat 18 'la Piccola' which brings fuel to the combine and both drivers have a little chat with each other while filling up.



The first public presentation of the AVM PUMA 4.0 self-propelled potato harvester, made by Kees van Dijke, Andres de Hoon and Chris Machielsens. A very highly detailed prototype with a lot of 'sexy' details combined out of a 3-D printer and 3-D milling for superb quality. Andres de Hoon has said that they plan to make ten pieces of this superb model in 2022 which come with a four-figure price tag.



Minitrac by Hans Sikkema presented a very beautiful display with actual and OOP models he produced since he started the little company producing high detailed models, built in small series and most of the time sold out before you know it. Same built the Samecar from 1961 till 1965, a small agricultural vehicle for multi-purpose use as you can see.



New Holland T7.315 with Vredestein tyres and some tune-up parts like airhorns, show lights on the cab and an agri-bumper in front. Behind the New Holland T7.315 you see a converted Wiking Strautmann Tera-Vitesse. Lordy van der Wal shortened the wagon to make it a two-axle Giga Vitesse.



A Ford TW-25 with a BOS WA-150 rotary cutter is specially made to clean out ditches. The tractor is converted and the rotary cutter is handmade by Jordy van der Wal.



A converted JCB 86C in red with extended boom and mowing bucket for cleaning out the ditches. This model has been made by 21 years young Mathew Arntz from Wijchen, the Netherlands.



The show model, a New Holland T7.270 AC 'Heritage Edition' made by ROS. This model is a limited-Edition release of 750 models in total, 250 models with a print on top of the cab and 500 models without the cab roof printing. All 750 Models are coming with a certificate. 🌱

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VINTAGE HIGHLIGHTS

Fendt Farmer Tractors

In the last issue, I took a close look at the Fendt Farmer 2 with Fritzmeier cabin and Baas front loader and I now follow up with a look at five more Fendt Farmer replicas, all produced by Universal Hobbies.

I have to admit that when the Fendt Farmer models were first released, I didn't take much notice of them, and thought they looked quite ugly, but over time, they have started to grow on me, particularly after I picked up the Fendt Farmer 2 (reviewed in the last issue) and I am now rather fond of the range, picking up the five models shown here over the last 6 months or so with the Fendt Farmer

Right:
1/32 – Fendt Farmer 5S
tractor with Peko cab
(Item 5291, RRP £55.00).



Above:
1/32 – Fendt Farmer 3S
two-wheel drive tractor
(Item UH5270, RRP £50.00).

Right:
1/32 – Fendt Farmer
108LS with Edscha cab
(Item UH5314, RRP £59.00).



The rigid design of the Edscha cab offers good protection to the elements with a fully modelled interior.



The Peko cab has been replicated accurately with a good choice of materials to simulate the flexible coverings.



The driver station is nicely detailed to include the console, steering wheel and seat with foot controls also replicated.



Left:
1/32 – Fendt Farmer 105S two-wheel
drive tractor (Item UH5276, RRP £50.00).



Below:
1/32 – Fendt Farmer 5S
four-wheel drive tractor
with Peko cab and BAAS
front loader
(Item 5310, RRP £59.00).

106S Turbomatik with Fritzmeier cab still to acquire. Despite being similar in appearance, there are differences and also some good detailing, like on the 3S where the steering wheel moves as the front wheels are steered. The driver station on each model is finished to include all the essentials and this is easier to see on the two models without cabins. The rear linkage detailing is authentically scaled and quite delicate with all five models having a drawbar hitch with pin. On my models, the pins appear to be glued in place and I am not sure if tapping the pins from below will loosen them to allow trailers to be coupled up.

The steering front axles have different steering methods, with the 108LS having hydraulic steering with the others using a bar linkage. Even here, there are differences with the way the linkage operates and the four-wheel drive 5S has the driveshaft to the front axle modelled. The Fendt Farmer models make a great set and are recommended for fans of vintage tractors. 🇬🇧



The implement linkage on all the models is height adjustable with pivoting upper link bar.



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Left:
The artwork on the sides of the trailer really does add colour and interest.

VERDICT



A big model which is effectively developed with plenty of opportunities for liveried series, like this Kuhn design.

Pacton Curtainsider Trailer

The curtain-side semi-trailer is a perfect logistics vehicle, capable of transporting a vast array of agricultural items, from bags of fertilizer and feed to mechanical parts and everything in between. MarGe have done a good job in bringing the curtain-side trailer to the 1/32 scale collectors, modelled on a

Pacton design with three axles. The landing legs can be adjusted in height using the metal pins and have pivoting supports with railings running along both sides below the trailer floor where there is a spare wheel carrier and modelled wheel chocks. At the rear, the doors have raised locking handle detailing which is highlighted

in silver although it is a shame that the doors cannot be opened. Along the lower edge of the trailer sides are highlighted tie-down straps, complete with silver finished clasps which do look realistic. Side marker lights and wheel arches with mud flaps add to the realism. At the front of the trailer are the air and electrical hook-up points.



Left:
The trailer is paired here with the 4x2 Mercedes-Benz Actros tractor, also from MarGe Models.



Underside detailing of the trailer includes adjustable landing legs, air bottles and spare wheel carrier.



The rear of the trailer has light clusters made from clear plastic and tinted with red and orange.



The straps along the lower edge of the trailer have been neatly highlighted with silver printed clasps.

Knapen three -axle Walking Floor Trailer



Above:
A long three-axle trailer with plenty of weight and detail, like the tie-down straps.

VERDICT



A solidly constructed, large and heavy model which includes some nice engineering touches.

MarGe Models continue to release interesting truck and trailer models in the larger 1/32 scale, the latest of which is the Knapen walking floor trailer which is built on a three-axle chassis frame with adjustable landing legs which use pins to hold them in the raised/lowered position. There are side skirts and to the rear, storage boxes on each side. The front of the trailer has a raised platform which is constructed of a perforated photo-etch panel with access ladders on both sides, complete with safety railings. At the rear, the doors can be fully opened to reveal the interior detailing which includes the walking floor system. The rear lights are inset with clear and tinted plastic lenses. When unloading, there is a protective cover which can be lowered over the lights which is a nice touch. A plastic moulded tarpaulin cover is included in the box, and this clips into place with four flexible straps clipping into place. The trailer can be posed with the cover removed and for this, there is a rolled-up cover which slots into place along the upper edge of the trailer. Knapen graphics and number plate stickers are included in the box. The model is available with a choice of three colours of tarpaulin cover, blue, anthracite or red. 



Left:
With the tarpaulin cover removed and the rolled-up fitted, the trailer is ready for loading, shown here paired with the Scania R500 4x2 tractor.



The rear lights are implemented with plastic lenses, and there is a protective cover that lowers to protect them when unloading.



The rear doors can be fully opened, revealing the interior floor detail.



At the front, there is a photo-etch platform with access ladders either side.



*Below:
The new 6x2 and 4x2
Scania R500 tractor rigs are
authentic to the original.*

Scania R500 Tractor

Scania is the latest OEM brand to be released as a high-quality replica in 1/32 by MarGe Models, and I have to say they have done a good job in implementing the design of the R500. The Scania R500 prime mover is powered by a choice of nine, thirteen or sixteen litre engines delivering up to 770hp.

The models are available in either 4x2 or 6x2 chassis configurations, with the latter having a linked steering system for the front and intermediate axle. The R-Sleeper Highline cabins can be tilted forward to uncover the engine bay where the modelled 8-cylinder engine block and other components have been replicated. With the cabin tilted, the 4x2 chassis is a little light on the rear end and is tipsy, while the 6x2 is much more stable once the cabin is tilted forward. The cabin interiors include light coloured door panels and trim contrasting with the otherwise dark colours with dashboard, left-hand drive configuration, steering wheel and both driver and passenger seating visible. Both doors can be opened which gives a better view of the details within.



*Above:
Added details include the
wheel chocks and air tanks
fixed to the chassis.*

*Left:
Both models are available
in a choice of colours with
more likely to be added in
the future. My favourite is
the striking red finish.*



The cabin doors can be opened to reveal more of the finished interior.



Tilting the cabin unveils the engine block at the heart of the chassis.



The chassis has side panels, silver fuel tanks and fifth wheel coupling plate.

Scania R500 4x2

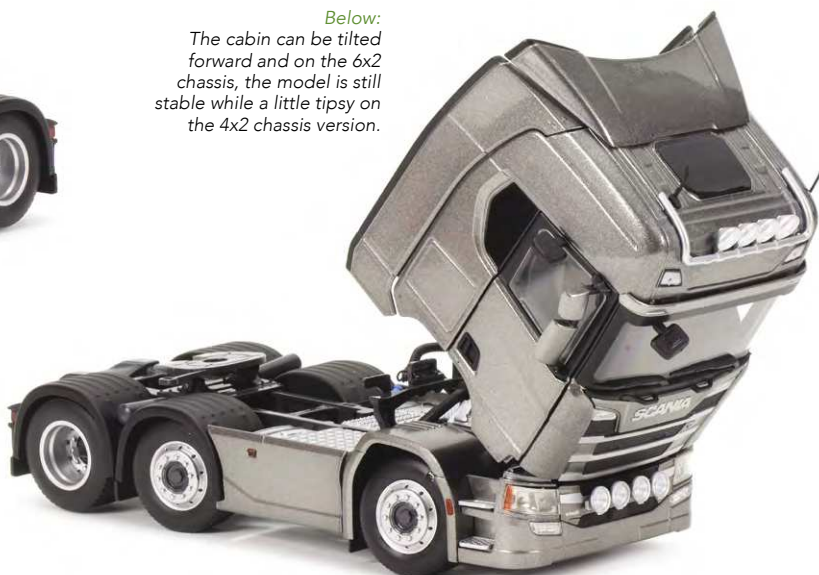
Manufacturer: MarGe Models **Item No:** 2014-03 **Scale:** 1/32 **RRP:** £94.95

Scania R500 6x2

Manufacturer: MarGe Models **Item No:** 2015-02 **Scale:** 1/32 **RRP:** £99.95

Where to buy: www.margemodels.shop


Below:
The cabin can be tilted forward and on the 6x2 chassis, the model is still stable while a little tipsy on the 4x2 chassis version.



On the exterior, the contours of the front grille have been implemented convincingly, with textured black panels and raised silver bars with the prominent Scania name. All lights are made from clear plastic with tinting used for the orange indicators. There are two light bars, one low down and one at roof level which each carry four circular lights with inset lights in the roof. Silver treaded steps are located on each side for cabin access, with a step integrated into the side panel for access to the platform behind the cabin where the coiled service lines are located. The side panels have inset marker lights with silver fuel tanks fixed to the sides of the chassis, complete with black ties. The fifth-wheel coupling plate is hinged, and accommodates any of the MarGe Models trailers that have been released to date. Rounding off the rear of the chassis are a pair of yellow wheel chocks, air cannisters and rear lights, again tinted red and amber. The paint finish and printing is to a high standard with both chassis versions available in red, white or dark grey with the 6x2 also released in 'Nooteboom Edition' red.



VERDICT



As expected from MarGe, the models are very heavy with plenty of metal used in the construction. Detail is very good, and the ability to open the cabin doors and tilt the cabin to view the engine bay are nice touches

Above:
The rear of the cabin includes the contours and Scania name with side panels and roof deflector fitted.



The contours and grille design of the Scania R500 has been authentically captured.



Textured walkways are fitted behind the cabin along with coiled service lines.



The 6x2 chassis has air tanks between the rear wheels with linked steering of the front and middle axles.

HOW TO...

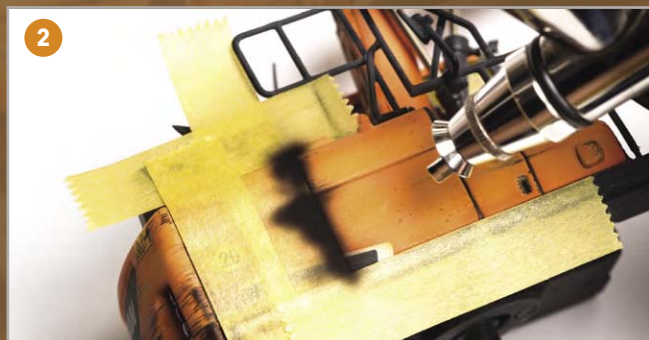
Creating realistic grease & oil effects

Sergiusz Pęczek details how easy it is to...

apply realistic grease and oil effects with AMMO products on any industrial or farm vehicle using Matt Black acrylic paints, pigments, Oilbrushers, Fresh Engine Oil and enamel thinner.



In this example, we will use the Doosan DX140w die-cast wheeled excavator model produced by Universal Hobbies in 1/50 scale.



A very common effect on industrial equipment is the dark grease from the engine which leaks through the panels. Mask the whole panel with masking tape and then spray Matt Black (A.MIG- 0046) diluted with 80% Acrylic Thinner (A.MIG-2000) until you create the stains.



After removing the masking tape, finish the effect using Medium Gray (A.MIG-3509) and Black (A.MIG-3500) Oilbrushers, applied with a brush and blended in an irregular way. You can airbrush Fresh Engine Oil (A.MIG-1408) to give a gloss look, as we will see in the following steps.



To represent the grease accumulated in the moving areas of the digging equipment and the hydraulic rams, first spray Matt Black as in step 4. Then add the grease with a mix of 50% Metal Slag pigment (A.MIG-3020) and Dark Brown Oil (A.MIG-3512).



To further strengthen the fresh and shiny appearance of the grease, gently airbrush Fresh Engine Oil (A.MIG-1408) diluted with Enamel Odourless Thinner (A.MIG-2018).



Now we deal with the grease and grime on the chassis and undercarriage frame, especially around the central slew ring. First apply Dark Earth (A.MIG-3007) pigment onto the frame using an airbrush by diluting the pigment with Enamel Odourless Thinner (A.MIG-2018).



The next step is to darken the areas around the slew ring using Matt Black (A.MIG-0046) diluted with approximately 70% Acrylic Thinner (A.MIG-2000).



To give a fresh look to the surface, spray Engine Oil (A.MIG-1408) diluted with Enamel Odourless Thinner (A.MIG-2018).



To spice up the effect, apply small spots using Brown Wash (A.MIG-1000) and the splash technique using an old brush.



Finally, you can add small stains of Fresh Engine oil with a fine brush in the commonly stained areas. First, apply stains diluted 50% with Enamel Odourless Thinner (A.MIG-2018). Once dried, you can overlap more intense stains with the product less diluted or .without any dilution.



Finished effect.





Above: The John Deere 3140 (left) and 3350 (right), the latest models about to be released by Britains.

John Deere 3140 & 3350 Tractors

A year ago, Britains released three re-issue models of the John Deere four-wheel drive tractor, the 3050, 3640 and 3650. Britains have now followed up with the release of a pair of John Deere two-wheel drive tractors, designated the 3140 and 3350. As with the 4WD releases last year, there are some subtle changes between the two models.

The bonnets have the most differences, with both having surface detailing of the engine block which is visible on the sides of the engine bay. Side covers are a different design and colour between the two models and the 3140 has a front counterweight fitted which is absent on the 3350. One has a straight exhaust with rain cap while the other has a curved exhaust stack. The front axle has wheels fitted that achieve a

Right: The John Deere 3140 with adjustable rear linkage allowing mounted implements and towed trailers to be connected.



Exterior detailing of the cabins includes rear view mirrors, work lights, screen wiper and amber beacon.



The 3140 has a front ballast fitted which is not present on the 3350.



Both models have a two-position rear linkage which will allow mounted implements or towed trailers to be connected.

Deere 3140

Manufacturer: Britains Item No: 43327 Scale: 1/32 RRP: £28.99

Deere 3350

Manufacturer: Britains Item No: 43326 Scale: 1/32 RRP: £28.99

Where to buy: www.gandmfarmmodels.co.uk

Left:

The John Deere 3140 has green coloured side engine panels and straight exhaust and filter fixed to the top of the bonnet.



very impressive range of steering angle and while the wheels are a little wobbly, this does not detract from the overall presentation.

While the rubber tyres are the same, that is not the case with the wheel rims which have a different central structure design and there is a difference to the cabin frame, with forward facing work lights fitted to the 3350.

Right:

The rear wheels on the 3350 have a square shape central design which catches the eye.



Below:

Small differences are found on the cabins, like the extra front facing lights on the 3350.



VERDICT



A nice follow up to last year's releases, nice mixture of metal and plastic makes them solid models with adequate interior cabin details.



The angle of steer that you get on both models is very impressive.



The interior of the cabins have all the controls highlighted.



The engine of the 3350 has black side panels.

COLLECTOR PROFILE

Trevor Garrett

Trevor Garrett was brought up on a beef and sheep farm near Ballycopeland Windmill Millisle, County Down in Northern Ireland. His grandfather and father farmed at Ballybuttle Damview farm Millisle and during the seventies, Trevor took the farm over from his uncle.



Above: Trevor Garrett with one of his top favourite die-cast Britains 1970's Massey Ferguson 135.

The family were one of the first to install a Lely Astronaut Robotic milker and Trevor also planted twenty acres of willow which is used for renewable energy to heat Mount Stewart House in County Down and Stormont Castle in Belfast. More recently, Trevor has diversified into children's day care activities and an out of school club which are situated on the farm land.

Trevor was encouraged to start collecting scale models by his brother Alistair and he is well known for his TG scratch-builds & die-cast conversions, check out his Facebook Page for full details of the models and conversions he has done, and to contact Trevor - www.facebook.com/tgscratchbuilds.

Shown here are three of his scratch-built historic scale models.



Above: A Brian Norman 1960's Fordson Dexta with a scratchbuilt 1960's Howard Big Baler.



Above: Siku TE20 with scratchbuilt Two-axle road roller, originally built for Harry Ferguson in 1956.



Above: Scratchbuilt Massey Harris 1940's binder with a Britains Fordson E27N model (produced in the 1950's).



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1:32

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CLAAS 3600 FC & 1100 C DISCO Mowers



*Below:
The front 3600 FC DISCO mower
really does look authentic to the original.*

Britains release of the new Claas DISCO mowers are modelled on the large-scale 3600 FC front mower and 1100 C BUSINESS rear mower. The front and rear mowers are available separately, each mounted inside the cardboard box with a clear moulding holding them in place. Unfortunately, the plastic cover is glued to the cardboard base and gets damaged when removing the model from the packaging.

Once extracted, the first surprise is the weight of the mowers, with plenty of metal used in the construction and plastic only used where necessary, like with the finer details on the top of the mower frames. The skirts running around the edges of the mower are slightly flexible which is a nice touch and turning the mower over, you are greeted with a contoured MAX CUT mower bar behind which is a rotating tine conditioning drum.

The front mower used a triangular shape connector which fits onto the front linkage of Britains tractors. On the Valtra T254 tractor shown here, the shear weight of the front mower is too much for the front linkage to remain in the raised position, although this is not a problem with the rear mower.

The rear 1100 C BUSINESS mower has a central frame to which the left and right sided mowers are fitted. The hydraulic cylinders used to control the folding movement are stiff in operation, so the mower heads remain in the raised position well. The central frame is cast with the support frame in the lowered



*Left:
The rear 1100 C DISCO mower
in the stowed configuration,
another very impressive release.*



The front housing and driveshafts to power the cutting discs and conditioner are neatly implemented.



The underside detailing of the MAX CUT mower bar and rotating tine conditioning drum.



The rear mowers use a clever ball and socket connection to allow the mowers to fold up.

3600 FC DISCO

Manufacturer: Britains Item No: 43302 Scale: 1/32 RRP: £22.99

1100 C DISCO

Manufacturer: Britains Item No: 43303 Scale: 1/32 RRP: £33.99

Where to buy: www.northwestfarmmodels.co.uk

position, so the mowers can sit on the ground when not connected to a tractor and this doesn't really detract when the mowers are in the lowered position behind a tractor.

Detail-wise, Britains have gone to town to produce the full powertrain for the mowers with the driveshafts and linkages all replicated. This is particularly well done on the rear mower where ball and socket joints allow for the folding motion. The rear mower housings also have slight contour adjustment, again fitted with small hydraulics and this really adds to the realism.

VERDICT



Very impressive releases, packed with detail and constructed from plenty of metal, giving a welcome heavy feel.

Below:
Mounted to the Valtra T254 tractor, the Claas mowers certainly look good, and large.



Above:
With the rear linkage raised, the mowers hold position, unlike the front mower which is too heavy to remain in the lifted position.



Above:
Any fan of Claas equipment will be more than happy with the new DISCO mowers from Britains.



The full powertrain has been implemented on the upper deck of the mower and looks authentic.



At first glance, the coupling looks to be fitted wrong, but the angle is needed to allow the mower to fit the rear linkage of a suitable tractor.



The main hydraulic distribution cover has recesses which really catch the eye.



Zetor GALLERY Brno

Located on the edge of Brno in the Czech Republic is the Zetor factory and Gallery. The latter houses an amazing collection of beautifully restored and new Zetor tractors, which cover the entire 75-year history of the brand. Back in 2019, pre-pandemic when we could still travel freely, Tim Upson-Smith was able to visit the Zetor Gallery with a friend who lives nearby. The Zetor Gallery has an online shop which stocks a nice range of diecast models, 1/87-scale resin kits, wooden slot together models and various other books and gifts!

So, here is a photo gallery of the tractors which particularly caught his eye. Tim has kits in his stash of a few of these and will be presenting builds in future issues, when he actually gets a few minutes to build! 🛠️

ZETOR TRACTORS a.s. - Trnkova 111, 628 00 Brno - Líšeň, Czech Republic 🌐 www.zetorgallery.cz/en







John Deere 4020 Tractor

VERDICT



Another interesting historic model release which should delight John Deere fans.

*Below:
The 1/32 John Deere 4020 tractor captures the looks of this Vintage machine well.*



*Left
The unusual design of rear hitch allows different coupling possibilities.*

*Below:
The model has a front axle that has both oscillation and steering movement.*



The John Deere 4020 new generation series row-crop tractor was introduced in 1963 with production lasting until 1972. The model from Britains has open sides on the engine bay allowing the surface detailing of the engine block casting to be seen. The model is a mixture of metal and plastic with a very good colour match between the different materials with crisply printed graphics. The yellow seat and armrests catch the eye, high up with steering wheel and central console with printed instrumentation. The rear numberplate is a nice touch, and the dual wheels give the model a more rugged appearance. Interestingly, on the review model, there is a slight difference to the tyre material between the inner and outer tyres, with the outer tyres having a different tread pattern and a shinier appearance. The front wheels have the ability to steer with a fair range of movement possible while the axle has oscillation movement. The hitch is different to the usual design of hitch found on Britains models and has the ability to raise and lower the arms with a rotating drawbar mechanism to connect up trailed equipment which is simple but effective. 



The dual rear tyres have a slightly different tread pattern between the inner and outer wheels.



The driver's station includes printed instrumentation and yellow coloured seat.



The engine bay has surface detailing of the engine block on each side.

COLLECTOR PROFILE

Antoine Van Houtte

Since I was a child, I've been interested in agricultural material and naturally became interested in farm models. It is no surprise that I specialised in Massey Ferguson models as my family has had a long-time relationship with the manufacturer.

It was only in 2015 that I began to create and modify models, making my first modifications on Bruder plastic models in 1/16-scale. I then started to specialise in the smaller 1/32 scale because of the more realistic models in the market, using the Siku models as a base for modifications. The first big conversion was to repaint the Krampe dumper into OVA decoration.

I later began making complete handmade models, starting with basic items like bale forks. In 2018, I registered in agronomic studies and it's there that I began to make more and more models. The coronavirus crisis and the lockdown in 2020 boosted my wish to make models and I took the opportunity to build a Facebook page to



Dewa Silage Trailer

Above: This model of a Dewa silage trailer was developed from scratch, based on pictures of the machine found on the internet as a reference. It was made from PVC profiles and plastic sheets, taking about a week to finish. I decided to paint the silage trailer in red to make a beautiful set with my Massey Ferguson tractors. A second Dewa silage trailer is currently in construction.



Dezeure TransLine XL

Above: For the moment, I have built three Dezeure TransLine XL slurry tankers. This model is based on a Siku frame with a PVC tanker body. I created all the stickers used on the model myself. In order to have a standardization of my model's colours, I have one TransLine XL finished in red and two finished in the corporate orange colours of the manufacturer.



OVA Slurry Tank

Above: To create the OVA brand slurry tankers, road tires. For me, these two tankers ma

highlight my models. I gave it the name 'Les miniatures de MF mania' www.facebook.com/Mf1100SeriesByMfMania which is linked to "MF mania", my other Facebook page where I share some of my agricultural pictures.

I research to make models which don't exist on the market including models of Belgian manufacturers like Dezeure, Dewa and OVA. In addition, I look to increase the realism of my models by adding LED light bars, beacon bars or GPS antennas. 📶

Below:

This model is the most recent to come out of my workshop. I had the idea to repaint a Ros Challenger RoGator sprayer to convert it into the Fendt brand. Indeed, this miniature has now been released as a limited edition in its usual green colour, so I thought it was better to repaint it in black which matches well with my black Massey Ferguson 6480.



Fendt RoGator 344 black line



I based them on Britains NC tankers, painting them in suitable colours before fitting a beautiful vintage pair.



Grimme EXACTA

Above:

The Grimme GL 420 EXACTA planter. I chose to model this machine because it is a mounted potato planter without wheels, and has a unique design. The small distance between the discharge tubes and ridge forming plates is particular and avoids soil compaction behind the cultivator. I have already built seven of these planters including two for friends.

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Case IH Puma X 140

• By David Wylie



Large field was ideal for the working demonstration for the red power event.

In this issue, David Wylie visits one of the CASE IH Red Power Tour events in Scotland to give his first impressions on their entry level Puma X tractor.

In 2018, the CASE IH red power tour covered the length and breadth of the country to showcase and let new and existing customers get hands-on with their tractor range and meet some newly appointed CASE IH dealers. The tour covered the whole of the United Kingdom and the Republic of Ireland, starting out at Uckfield with Haynes Agricultural back in February and finished with J Low Agri Services Ltd on 5 July in Stirling central Scotland, totalling 30 sites - from dealers to showgrounds - and covering over 5,000 miles.

Whilst high-end tractor performance, automation and smart farming technology is meeting the needs of some farmers, CASE IH have not forgotten about farmers and operators looking for a simpler machine to own and operate. With this in mind, we took the opportunity to drive their entry level Puma X models at one of the last events organised by one of the newest CASE IH dealers in Scotland, at a farm near Cowdenbeath, Fife. CASE IH had brought five tractors and their RB545 Baler to the event, comprising of a 270hp Optum, 175hp Puma, 135hp Maxxum, 120hp Luxxum and their Puma 140hp X model that we decided to test drive.

Puma range

The Austrian built Puma has fifteen tractors in the range, split into three main specifications, the Multicontroller range (5 models from 150 to 220 hp) with Powershift gearbox, the PUMA CVX (7 models from 150 to 240 hp) matched to a continuously variable transmission and three Puma X models available with 140hp, 150hp and 165hp performance driving a six-step semi-powershift transmission. The later are aimed at farmers and operators that are seeking a standard specification suited to the most demanding applications in both arable, contracting and livestock farming situations. The Puma X range is built alongside the existing Puma range and retains a comprehensive list of core features and options and these three FPT engine power ratings include a power boost by their Engine Power Management of 175, 190 and

Lower cab roof High on the Puma X, with halogen work lights.



The 140 hp (175hp power boost) Puma X easily coped with the power demands from the PÖTTINGER swath rake.



210hp respectively.

The key changes to the Puma X models are to be found in the cab, where they have a basic operator interface, car like dashboard and digital information display, and a more basic – but comfortable – seat offering. The cab itself has been equipped with features likely to appeal to livestock farmers and arable farmers in particular, with a low-profile roof to aid access into buildings, and an opening right-hand door and left-hand side door of the tractor. At the rear, the standard mechanical remote valves are non-configurable, while the rear wheels are fitted with narrow fender extensions. A two-speed 540/1,000rpm PTO package is the standard offering, and a lighting package, with four halogen roof-mounted work lights. Whilst the standard Puma X has a more basic operating environment, a full list of optional equipment means the new Puma models can be equipped with additional features as required, such as a mechanical cab suspension system.



Front, side and rear view is excellent in the large Puma cabs.



Above: A very nice cab interior with simple classic controls such as a mechanical hand brake.



Above: Easy to reach and simple controls for gear change / selection, diff-lock, three spool valves with the option of having four fitted.



Above: Gear selection panel.



Above: Simple car-type dashboard.

Puma X 140 Test drive

The engine oil dipstick is easily reached, situated between the front tyre and fuel & AdBlue tanks next to the cab steps. With an easy to reach grab handle and 3 nicely spaced step treads we make our way through the wide cab door frame. Settling into the comfortable air suspension seat, which – as you would expect – has lots of adjustments to suit all frame sizes and rotates to save on neck strain when keeping a regular check on the rear activities. The visibility out the large glass front screen and side doors is outstanding. In the Puma X, the multicontroller LCD screen has been replaced with a simple but highly functional car-type dashboard, which is tucked behind the steering wheel with analogue engine rev-counter, temperature and fuel gauge, and digital LCD display for travel speed and hours worked etc. There is no headland management functionality but it has all the essential controls, such as differential locks, close to hand on the R/H side.

A quick turn to the ignition key fires up the latest generation Stage IV-compliant FPT 140 engine that is said to be durable, fuel efficient and reliable. The Puma range now covers a power band from 140- 240 hp (rated), with all models benefiting from an Engine Power Management boost for PTO, hydraulic and transport work. It produces

additional power when needed, such as when there is a 25hp draw on the PTO or roading in 13th gear and above - from 180 hp to 270 hp depending on the model and engine performance.

The forward and reverse gears are

selected with the lever positioned within easy reach on the control column and the gear ratio on the R/H level adjacent to the armrest. With the clutch pedal released, the Puma X produced a very smooth initial pickup of speed, and this was also carried forward



Above: Standard front axle with optional front axle suspension. Front brakes are optional too.

Engine hood lifts fully for good access.



The front radiators are easy to clean out.



by the 18F/6R 40 km/h semi-powershift gearbox with super-smooth clutchless gear changes. A creep speed option delivers a further ten forward ratios to 28F/6R, whilst a 19F/6R six-speed powershift is also available, offering either 40 km/h top travel speed at reduced engine rpm, or 50 km/h maximum speed which would also require front axle suspension and brakes with air to meet recent changes in legislation.

For the demo day, our Puma X 140 was matched to PÖTTINGER's classic TOP 762 C entry-level centre-swath rake model which was very easy to operate with the large hydraulic levers in the Puma X model and a simple pull rope for locking and unlocking the folding twin rake arms during transport between fields. Puma X models have three standard spool valves, with the option to add a fourth and a maximum of four mechanical remote valves are available at the rear. Puma 150/165 Multicontroller and Puma 150-175 CVX models have four mechanical or five electronic remote valves available.

The Puma X 140 easily coped with the power demands from the PÖTTINGER swath rake and it was said Puma models (140-175) are available with a ground speed PTO for special trailed equipment and rear PTO speeds of 540/540E/1000 rpm, while the models from 185 upwards offer a 540/540E/1000/1000E rpm package. The rear PTO is driven directly from the engine flywheel for powerful transmission efficiency and has a soft-start engagement, which gradually increases torque on the driveline when sensors detect a high starting resistance, this helps to ensure a smooth



The cab has a good suspension system.



An easy to reach engine dipstick.

start to protect both tractor and implement. Puma X also has an optional 1,000 rpm front PTO and when combined with the optional front hitch, this would allow - for example - a front-mounted mower with a rear unit to boost productivity. The swath rake attached to our demo machine put little or no strain on the rear hitch as it has a 8,257kg lifting capacity which means that even the heaviest attachments can be used without any problems. The hydraulic system uses an axial piston variable displacement pump with a delivery rate of up to 110 l/min - on PUMA X models - for fast and effective operations. A nice feature is the controls for the PTO, hydraulics and a remote valve - positioned on the outside of the mudguards - which can allow devices to be easily attached and removed by one person.

Feedback from farmers - during the design stage - asked for a no frills standard lower cab roof with halogen lights, however, this can be upgraded to more powerful LED lighting package as found on the other tractors in the Puma range. Unlike the rest of the Puma range, the basic X model does not have plug-n-play available to fit Case IH Advanced Farming Systems for fully automatic, integrated GPS/GLONASS guidance however a third party aftermarket system could be an option without autosteering functionality. For a tractor of this size, the turning radius of just 5.45m is good and overall, this latest Puma X is a powerful, comfortable and productive tractor, aimed at farmers and operators that favour a less expensive, complex and upgradable versatile tractor.



Above: Fuel and AdBlue tanks are situated next to the O/S door.



Above: It has left and right cab doors and access steps.



The Puma X has a large, comfortable, and spacious cab design.



Above: The Puma X rear hitch can lift 8,257kg and the hydraulic system uses an axial piston variable displacement pump with a delivery rate of up to 110 l/min.



Second opinion

Ian Adam who farms the field at Thistleford - where the Red Power demo event took place - operates a mixed fleet including John Deere, Massey Ferguson and Valtra tractors from his home farm at nearby Highholm Dunfermline. His farming operation mainly comprises of Beef cattle, some sheep and he grows cereals - along with making silage for animal feed. Ian also carries out his own drilling and harvesting on 700 acres of land and carries out some contract work too. I sat in the passenger seat with Ian during his demo drive of the Puma X140 to get a second opinion of the Puma X performance and this is what Ian had to say;

“ I've not really considered a Case IH tractor before; however, I must say I'm impressed with this new Puma X model. The visibility and comfort is very good. I also like the layout of the controls; everything is just nicely placed and easy to reach. The semi-powershift transmission is very impressive too with nice, fast and smooth shifting, in fact having experienced the Puma X during this short demo drive I'd say that it would suit our farm down to the ground. ”

This was a well-attended and run event by both CASE IH and their new CASE IH dealer J Low Agri Services Ltd. 

TECHNICAL SPEC

Puma X 140 specs

Number of cylinders 6: 6.7 litres

Common Rail Diesel engine, turbocharger and Hi-eSCR only exhaust after treatment / Stage IV

Maximum power: ECE R120 1) Power Management2) 140 hp (175hp power boost)

Maximum torque: (Nm @ 1,500 rpm) 655 (750 with power boost)

Fuel tank, diesel / urea 330 / 48 litres

Transmission: 18x6 Semi-Powershift 40 kph

Service brake Hydraulically operated multiple wet disc brake, self-adjusting
PTO Speeds Standard (Option) 540 / 540E / 1,000 (540E / 1,000 / 1,000E) both with optional ground drive

Min. turning radius: 5.45m

Max. lift capacity (kg): 8,257

Max. number of rear remote valves: 4 mechanical

Total height (low roof / standard cab) (mm): 2,914 / 3,026

Approximate weight standard / suspended front axle (kg): 6,480 / 6,782



Puma X is fitted with a standard 18F/6R semi-powershift gearbox with smooth clutch less gear changes up to 40 km/h.



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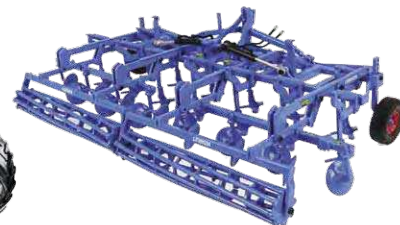


Coming in the NEXT ISSUE...

- A varied selection of tractors, implements and trailers from various manufacturers are reviewed in detail
- We continue the series of 'how-to' articles from José Brito on the construction, painting and weathering of buildings and diorama bases
- In the next issue, we feature Rob Neesham in the Collector Profile slot, a name some may be familiar with
- We follow along on another model build, learning techniques for painting and weathering a plastic/resin/die-cast model from an expert builder

A few models due for review in Issue 8...

**Issue 8
ON SALE**
third Thursday
of April



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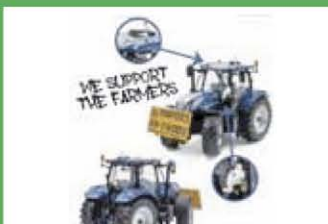
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