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THIS ISSUE

06 Eicher Wotan I 3018 Tractor **REVIEW**

A review of this new Tractor from Weise Toys by David Pullen.

07 Deutz D 45 06 A Tractor with Front-Loader **REVIEW**

David Pullen reviews another new tractor from weise-toys.

08 NC Rear Discharge Manure Spreader **REVIEW**

David Pullen reviews this hotly anticipated implement from Britains.

10 NC Power-Tilt 314 Dump Trailer **REVIEW**

David Pullen reviews another new NC implement from Britains.

12 JCB Hydradig 110W Wheeled Excavator **REVIEW**

David Pullen looks at this impressive JCB item from Britains.

14 Case IH 620 HD Steiger 60th Anniversary **REVIEW**

David Laley reviews this new tractor from Ertl.

16 Renault 145.14 ACA Chartres Show Edition **REVIEW**

David Laley reviews the 2017 ACA Model from the Chartres show.

18 Code 3 Britains Models **REVIEW**

Model Farmer looks at some new Code 3 products on the market.

20 Ferguson TE20 Kit **REVIEW**

Model Farmer looks at the new 1/24 scale tractor kit from Heller.

22 Hulimann H-6160 Tractor **REVIEW**

David Laley reviews this special build from Mo-Miniatur.

24 International 3388 2+2 Museum Edition **REVIEW**

David Laley looks at another new item from Ertl.

26 Red & Blue Zetor Crystals **REVIEW**

David Laley reviews these new model from UH.

28 Allis Chalmers vs Allis Chalmers **FEATURE**

David Laley reviews some recent AC releases from Ertl and compares them to models past.

32 Scratch Build: Roadless 98 Model **Building**

Model Farmer features an impressive build from FTF member Tab Models.

36 Farm Diorama Focus **FEATURE**

Model Farmer looks in detail at Jason Shenton's impressive farm diorama.

38 Grassland and Muck 2017 **REPORT**

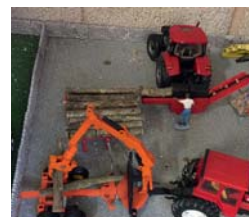
David Laley reports from the G & M Show this year.

44 Harry's Irish Combines **FEATURE**

Harry Bell returns to Model Farmer with a look at his model combine collection, now based in Italy.

48 Letters & Pictures

Letters and Pictures to the editor for this issue.



Page 10 - NC Dump Trailer from Britains | Page 14 - New Steiger Tractor from Ertl.

Page 32 - Roadless 98 Scratch Build | Page 36 - Farm Diorama



Page 26 - New Zetors in 1/32

Page 44 - Harry's Combines

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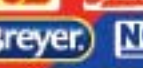

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Eicher Wotan I 3018 Tractor



WEISE-TOYS 1:32nd Scale



German manufacturer Eicher began producing tractors in the 1930s and by the late 1940s was fitting their own single-cylinder air-cooled diesel engine. Over the years the range was expanded and in the late 1960s the firm introduced the six-cylinder air-cooled 66 kW (89hp) diesel Wotan I 3018 tractor. It remained in production until the early 1970s.

Weise-toys' Eicher tractor is newly tooled. The tractor's largely metal and beautifully engineered with plenty of realistic working features. It's provided with a detachable front weight

block and a drawbar for the rear linkage for attaching trailed equipment.

The tractor has Continental branded tyres front and rear and the front axle provides it with a realistic turning the circle. It's detailed with differential, the driveshaft running down the left-hand side of the engine, mudguards and steering ram.

At the front of the hinged bonnet there's a transparent panel, German number-plate and headlights. Lifting the bonnet reveals the six-cylinder engine. This is detailed with injection pump, filters, air cleaner and six individual fans. On the right-hand

side there are two grey silencer boxes and the underslung exhaust. There's a toolbox and wheel blocks on the other side.

On the driver's platform there are patterned footplates. Clutch, two brake and throttle pedals are provided. There's also a diff. lock pedal, lever for engaging the four-wheel drive, handbrake, two gear levers and passenger seat footrest detailed. Behind the steering wheel there's the hand throttle and four dials in the instrument panel detailed. It's well laid.

At the rear the tractor's provided with weise-toys' standard two-point linkage with

a lock under the rear axle to secure it in the raised position. It's strong enough to carry an implement heavy enough to lift the front wheels off the ground. The rear end also provided with an adjustable length top link, hydraulic connectors and European style drawbar. There's also a number-plate and on the mudguards tail lights and reflectors.

www.weise-toys.de

Verdict	
Model	Eicher Wotan I 3018 Tractor
The Good	Its build quality.
The Not so Good	Nothing to mention.
Price	around £57.00 (64.90euros)
Model Detail	100%
Model Accuracy	100%
Build Quality	100%
Functionality	100%
Value	100%
Overall	100%
Rating	★★★★★



Deutz D 45 06 A Tractor with Front-Loader

WEISE-TOYS 1:32nd Scale



This D45 06 A model is the third three-cylinder Deutz 06 Series tractor weise-toys has released. Deutz made this 29.8 kW (40 hp) mid-range three-cylinder tractor during the 1970s and early 1980s. It was available with two or four-wheel drive and shared parts with other tractors in the range.

Like Deutz weise-toys has based its latest tractor on the tooling used on the earlier models. Common with the

other models is the well detailed driver's platform with its patterned footplates, patterned seating, foot pedals and gear levers. The instrumentation panel behind the steering wheel has gauges and hand throttle. For attaching mounted equipment weise-toys has also provided its standard two-point linkage with top link. It also has Continental branded tyres, a linkage drawbar and detachable front weight block.

Newly tooled for the D 45 06 A model are the safety frame,

frame for protecting the bonnet, four-wheel drive axle and its driveshaft. Well engineered the axle provides the tractor with good turning circle. However on left turns it's a little restricted as the steering arm can fowl on the frame that protects the bonnet.

Also new is the front-loader. It's well-proportioned and lifts and lowers smoothly on its twin rams. Do not expect to use it to load a modern trailer as it has a limited lift height. There's a catch that holds the bucket.

To use with loader weise-toys has provided weights for the rear wheels. These push on the wheels but if using the tractor it might be worth sticking them on.

Overall the build quality, finish and detail levels are good and similar to the earlier tractors.

www.weise-toys.de

Verdict

Model	Deutz D 45 06 A Tractor with Front-Loader
The Good	General build quality & finish.
The Not so Good	Nothing to mention.
Price	around £65.00 (74.90 euros)
Model Detail	100%
Model Accuracy	95%
Build Quality	90%
Functionality	95%
Value	95%
Overall	95%
Rating	★★★★



NC Rear Discharge Manure Spreader

BRITAINS 1:32nd Scale



Photo: NC Engineering



There are four spreaders in NC Engineering's range of single axle rear discharge manure spreaders with capacities ranging from 7 to 13 cu metres and rated loads of between six and 12 tonnes. Britains' model has not been based on the largest machine in the range but the smaller 10 cu metre spreader. This has a rated load of 11 tonnes.

The model's well-built with metal chassis and plastic body. Other than Wiking's tractors, which need a smaller tractor drawbar pin, the drawbar Britains

has provided should fit most tractors. Also there's a well-proportioned drawbar skid that provides plenty of ground clearance when attached to the tractor. Disappointingly Britains has not provided the support for carrying the hydraulic hoses and PTO shaft. The PTO would have added to the spreader's appearance.

On the body there's patterned silver, they are not transparent, front guard and front screen. There are also black sidelights with painted lights, an access ladder and at the rear painted tail lights provided. Inside the body

floor has the twin chain conveyor detailed. The chains are black while the slats are silver. This detailing continues on the underside but here it's not painted. At the rear the body's provided with a sliding rear door which lifts and lowers smoothly on its twin rams.

Well detailed the twin vertical spreading rotors are geared together but not driven by the spreader wheels.

Costing under £20 the spreader is a great model.

www.britainsfarmtoys.co.uk

Verdict

Model NC Rear Discharge Manure Spreader

The Good General build quality & finish.

The Not so Good Perhaps the lack of PTO shaft.

Price £19.99

Model Detail 90%

Model Accuracy 90%

Build Quality 90%

Functionality 90%

Value 100%

Overall 92%

Rating ★★★★★



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NC Power-Tilt 314 Dump Trailer



Photo: NC Engineering

BRITAINS
1:32nd Scale



NC Engineering offers a range of dump trailers with capacities ranging from 8 to 25 tonnes in its NC 300 Series. There are eight 300 Series trailers with Britains' model being the mid-range 314 with a 14 tonne capacity. They feature a power tilt tail door which allows the trailer to be used with a tail door or open back without having to remove a hinged door.

Britains' model like its NC manure spreader reviewed elsewhere in this issue is robustly

built. It has a metal chassis and plastic body. Like the real trailer the drawbar's sprung and with the drawbar eyelet provided it should fit most tractors. Britains has however not provided the hydraulic hosing or its support on the drawbar. Something easily added for anyone wanting to add the extra detailing.

For tipping the body there are two three-stage rams. Although stiff on the review model it was possible to raise the body into the near vertical position. Lifting the body also lowers the tailgate

ensuring discharge of all the material.

The trailer has good-looking tyres and the tandem axle allows the wheels to travel over uneven surfaces. At the rear the trailer has NC decals both on the chassis and mudguards.

Overall it's a good trailer and the ideal companion in any construction themed diorama to Britains' JCB Hydradig excavator.

www.britainsfarmtoys.co.uk

Verdict	
Model	NC Power-Tilt 314 Dump Trailer
The Good	The working power tilt door.
The Not so Good	Nothing to mention.
Price	£19.99
Model Detail	90%
Model Accuracy	95%
Build Quality	95%
Functionality	95%
Value	95%
Overall	94%
Rating	★★★★





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Build Your Farm



BRITAINS 1:32nd Scale



JCB Hydradig 110W Wheeled Excavator

Developed in secrecy over a three-year period JCB's 10 tonne Hydradig wheeled excavator went in full production in late spring 2016. Costing around £85,000 and designed to meet construction sector needs it uniquely has the engine, a 81kW JCB T4F EcoMAX engine, and tanks in the chassis and not the upper structure. This lowers the centre of gravity improving stability, reduces the counter-weight size giving it a tail swing of just 120 mm and allows the operator to see all four wheels from the driving position. Also it's possible to see the stabilisers, dozer blade and trailer hitch from the cab without the need to slew the machine. To meet transport needs it can travel at speeds of

up to 40 km/hr and has a 3.5 tonne towing capacity.

Although it's unlikely many Hydradig excavators will have yet found their way on to farms Britains' new model, costing under £28, will find a role on

carpet farms. It's a good model with metal chassis, plastic boom and plastic body panels. Each stabiliser has a ram that allows each to be lifted and lowered independently. However on the review model





Photo: JCB



the rams were not stiff enough to hold the wheels off the ground. While the twin rams supporting the bulldozer blade were stiff enough to lift the wheels off the ground. There's a drawbar on

the blade for towing trailed equipment.

The excavator's fitted with dual wheels and has all-wheel steering. Overall it's well-built but there was excess play on

the steering joints and the wheel position needed adjustment to ensure they were straight.

Britains has provided the excavator with a fully articulated boom with a wide working range. The boom rams are not piped but are stiff enough to position the bucket at any point over the working range. There's also a single ram to slew or offset the boom.

The cab's well detailed. Externally it's equipped with lights, driving mirrors and a transparent warning beacon. The beacon looks much better than the painted ones fitted on some models. Internally there's a driver's seat, controls and steering wheel sporting a JCB decal at the centre provided.

However fitting a driver is difficult as the cab door does not open.

Finally the excavator's provided with realistic decals on the boom, cab and chassis. Britains has

Verdict	
Model	JCB Hydradig 110W Wheeled Excavator
The Good	Its working features and glazed beacon.
The Not so Good	The excess play on the steering joints.
Price	£27.99
Model Detail	95%
Model Accuracy	95%
Build Quality	85%
Functionality	90%
Value	90%
Overall	91%
Rating	★★★★★

also embossed the JCB letters on the rear of the upper section.

www.britainsfarmtoys.co.uk



Photo: JCB





Case IH 620 HD Steiger 60th Anniversary

Ertl 1:32 Scale



To celebrate the 60th anniversary in 2017 of the original barn bred Steiger tractor built by brothers Maurice and Douglas Steiger of Red Lake Falls, Minnesota, Ertl have released a

modern 1/32nd lime green Steiger to commemorate the occasion.

Ertl have chosen Case IH's top of the range wheeled tractor the 620 HD articulated tractor to base their green anniversary model on. Steiger tractors were taken over by Case IH in 1986 with the original livery disappearing in favour of Case IH's corporate red and black livery. Even the Steiger completely disappeared until it returned to the bonnet of Case IH's articulated tractors including their Quadtrac in the mid '90s.

In recent years however if you're prepared to pay the pennies Case IH will more than obligingly paint you one of their tractors in Steiger green.

The model is based around the previously released Ertl Case IH 580 HD with the biggest core difference being the special livery,

Left: Whilst of the chassis parts, bonnet and axles are metal, the bulk of this model is sturdy plastic



Above: The model's paint scheme is it's biggest highlight, the contrast of Steiger lime green and matt graphite grey working very well together.

and a few smaller parts picked out in colour. Whilst of the chassis parts, bonnet and axles are metal, the bulk of this model is sturdy plastic. Whilst marketed as an exclusive model, this is nearer being a toy than a highly detailed piece of precision engineering.

The model's paint scheme is it's biggest highlight, the contrast of Steiger lime green and matt graphite grey working very well together.



Verdict	
Model	Case IH Steiger 620 HD
The Good	Fantastic livery
The Not so Good	Expensive for the lack of precise detail.
Price	£75.00
Model Detail	85%
Model Accuracy	90%
Build Quality	90%
Functionality	75%
Value	75%
Overall	83%
Rating	★ ★ ★

The decals too are clear and crisp down the side of the bonnet. Other details picked with the paint brush are the cab mounted GPS receiver,



Right: The model is shod on chunky hard rubber dual wheels on the standard and very basic Britains and Ertl rims which have been around for while.

detailing around the exhaust system in silver, warning beacon and rear mudguard lights. The remaining lighting across the front grill cab roof and light bar across the top of the rear mudguards make use of printed graphics to distinguish them. They look ok, but not especially realistic.

The model is shod on chunky hard rubber dual wheels on the standard and very basic Britains and Ertl rims which have been around for while

now and don't contain all that much detail. The bonnet unsurprisingly doesn't open to reveal any engine detail, and contains some primitive indentations to replicate the grills. The plastic exhaust system and air cleaner looks accurate and does lead us onto a slightly more detailed cab.

Outside the cab is neatly glazed with the windscreen wipers picked out in black, additional work lights also feature along with a GPS receiver and warning beacon. Inside the cab the full armrest of controls are included although the model lacks detail around the steering column and seating area.

The rear linkage all in plastic is typical of most big articulated tractors using a fast hitch and hook system to attach, lift and lower any mounted and semi mounted equipment. Whilst accurate in representation with moving parts, it's not especially detailed being held together with some not-so-subtle silver rivets and



isn't compatible with any matching implements unless you had the skills to modify any existing larger 1/32nd scale equipment that are available. Completing the rear of the tractor is a swinging drawbar but again this is screwed to the rear half of the casting and remains solid.

The remaining functionality comes within the steering which is relatively fluid thanks to two metal rams forming the articulation

joint, and these work very well.

For fans of articulated tractors looking for an exciting and exclusive display model in the iconic Steiger lime green livery look no further. However I've no doubt some will be put off by the high price tag of £75 for something that is to all intents and purposes more of a toy than a precisely detailed model.



Above: Completing the rear of the tractor is a swinging drawbar but again this is screwed to the rear half of the casting and remains solid.





Renault 145.14 ACA Chartres Show Edition

Replicagri 1:32 Scale



Collectors harbouring a desire for a dual wheeled version of Renault's 145.14 with a little more detail than Britain's '80s classic toy can finally rejoice. Replicagri who have produced a whole host of wonderful classics from the

likes of International have added to their fine fleet Renaults with this top of the range TX14 model.

Following on from their excellent 120.14 released at the beginning of last year, and later TZ54 series models Replicagri have made a very fine job of replicating the top spec dual wheeler especially for the annual ACA Chartres Show this year.

Renault launched its TX14 range in the mid '80s with the 145.14 topping the range. The entire range of six cylinder tractors were fitted with 6.2 litre MWM engines with the 145.14 turbo charged to produce 135hp.

First and foremost Replicagri have got the colour and paint finish

Left: The model steers freely and correctly and also comes with a set of removable dual wheels for the rear. These clamp neatly into the edge of the rear wheels fitting snugly and securely.



Above: The model's paint scheme is its biggest highlight, the contrast of Steiger lime green and matt graphite grey working very well together.

correct on this model. Something Britain's was unable to accomplish with its toy version. The light orange paint adorning the bulk of the body work stands out very well from the cab frame, linkage, wheel hubs and weights that have been painted in the correct dark brown. The graphic and lettering too have been printed very precisely.

Given that this model is loaded in detail and moving parts in areas such as the cab, it's perhaps slightly disappointing that Replicagri neglected not provide the model with any engine detail or realistic side panels. Instead they gone



Verdict	
Model	Renault 145.15
The Good	Fantastic cab detail sharp paint work.
The Not so Good	No engine detail.
Price	£55.00
Model Detail	90%
Model Accuracy	90%
Build Quality	90%
Functionality	85%
Value	85%
Overall	88%
Rating	★ ★ ★ ★

the lighting, and other extraneous features such as the window wipers, and mirrors whilst delicate, are well constructed and accurate. Inside the cab with find the correct two tone grey and green paint scheme whilst the controls too are a correct representation of the real machine. As with all of the ACA Show models Replicagri have produced a driver is also provided in this case an attractive blond lady.

Moving to the rear of the model, the wings and extensions are very neat with the external hitch buttons painted onto the right hand side, whilst the left is reserved for the number plate which sadly on



Above: At £55 and being a limited edition show model this still represents good value for money too. Well worthy of a place in any classic tractor fan's collection.



Right: The cab is the stand out feature of this model. Opening doors with realistic handles are provided,



down the easier and arguably more cost effective route of producing complete cast of the chassis and engine area completely diminishing the detail of the engine covers. Whilst the side mounted exhaust, lights and pre- cleaner have neatly situated on the separate bonnet and front cowl this is a mere token gesture to an area of the model that deserves more detail than it has.

The cab is the stand out feature of this model. Opening doors with realistic handles are provided,

my example has excess glue all around the side of it. The rear hitch is standard Replagri with the lower links moving on a pair of plastic rams whilst the top link is provided separately. Whilst this means basic implements for use with Britains style two point hitches are incompatible, there are plenty of other realistic machines out there that do fit, and the tow hitch means there is no issue with trailed implements either.

In terms of other areas of functionality, the model steers freely

and correctly and also comes with a set of removable dual wheels for the rear. These clamp neatly into the edge of the rear wheels fitting snugly and securely. The clamp is very similar to the ones produced by the likes of Franquet in France.

Overall this is a great looking model, pleasing on the eye with loads of great cab detail, a smart rear hitch, and accurate steering axle. It's just a shame they didn't provide some engine detail and proper covers with the original

base model. At £55 and being a limited edition show model this still represents good value for money too. Well worthy of a place in any classic tractor fan's collection.





Code 3 Britains Models

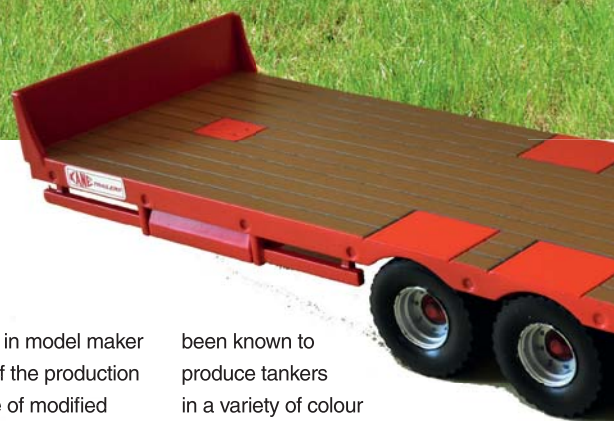
Scale Farmer 1:32 Scale



Last year saw the unfortunate cancellation of the hotly anticipated Bunning 1/32 scale Manure Spreader from Scale Farmer. The model making startup now however has a new venture planned with the release of a whole series of short run code 3 models based on

existing machinery in model maker catalogues. First off the production line comes a range of modified Britains implements from Irish OEM's Kane and NC. The popular NC Tanker has been given a blue makeover. Of course, the sight of blue tankers in and around the UK are quite seldom but the OEM has

been known to produce tankers in a variety of colour schemes including a cow print design. The same principle is applied to the impressive Britains Kane low loader. This three axle trailer is commonly found in the Kane blue finish we all associate to



Below: Only 10 of these Blue Tankers are being produced. Each model will come in a special box and certificate from Scale Farmer.





Above: The Britains 1/32 Kane Low Loader trailer has been given a red paint job.

Models Planned

Model	Limited to	Price
Kane Low Loader (Red)	10	£49.99
Kane Low Loader (Yellow)	10	£49.99
Kane Grain Trailer (Black)	5	£54.99
Kane Grain Trailer (Red)	10	£49.99
NC Tanker (Blue)	10	£49.99
NC Tanker (Green)	10	£49.99
NC Tanker (Cow Print)	5	£54.99
NC Dump Trailer (Green)	5	£49.99
NC Dump Trailer (Red)	5	£49.99

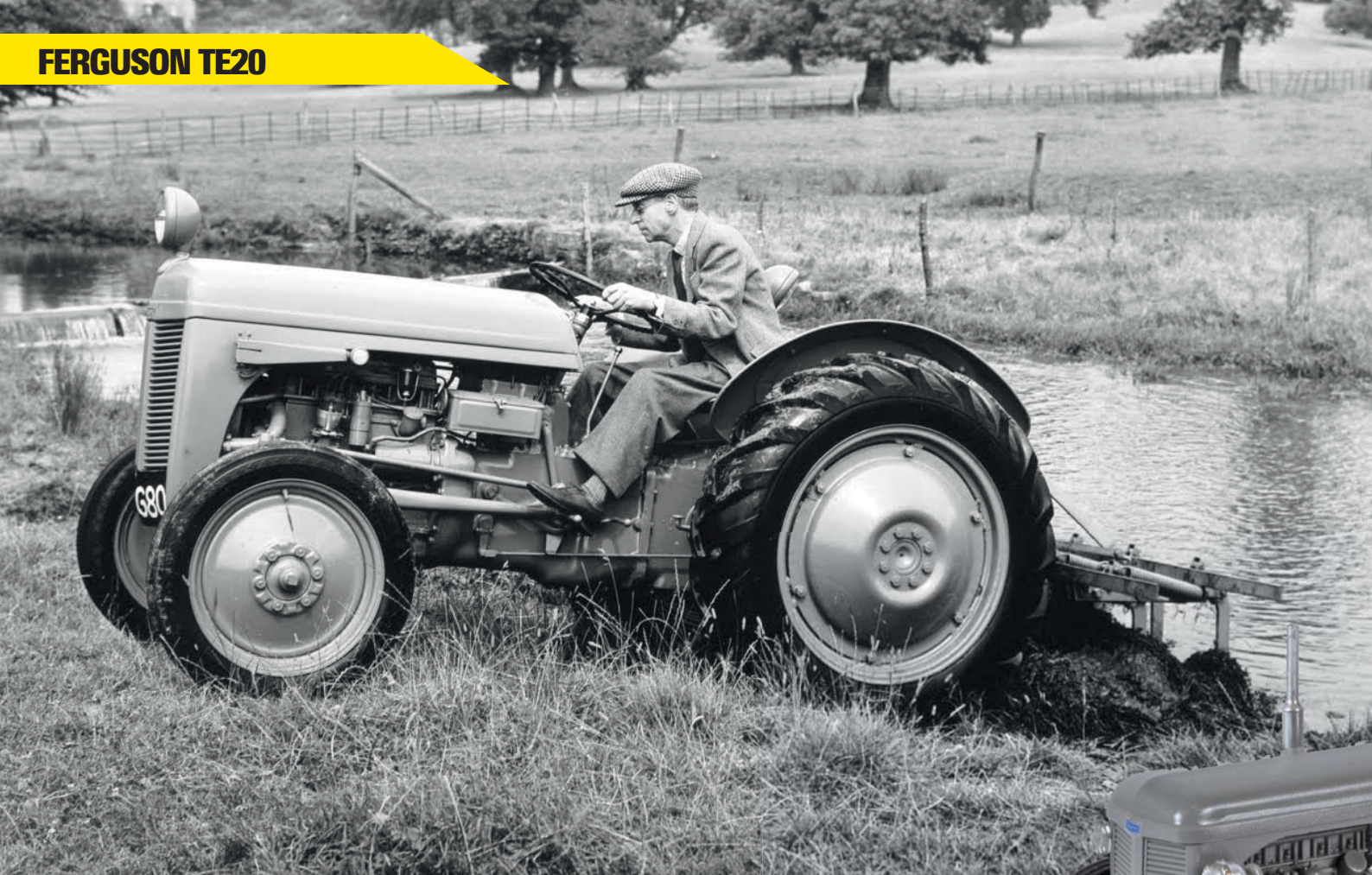
For ordering, please visit www.themodelhobbyshop.com



Above: As a special commission, this Britains Kane Grain Trailer has been given a distinctive Matt Black Finish.



Above: Scale Farmer intends to keep production low. As an example, just 5 of this black trailer are being produced.



Ferguson TE20 Tractor

Heller 1:24 Scale



Since the days of Airfix producing the now famous and very collectable Ferguson TE20 Tractor kit, modeller's have often pondered the possibility of a new lease of life being injected into the concept of producing a Ferguson TE20 in kit form. Some rumoured that Airfix would reignite their historic

jewel in their archives but the limelight has been somewhat stolen by French model kit maker, Heller. Heller are not new to tractor kit stardom. Some of you may remember the Massey Ferguson 2680 Bobcat kit produced in the 1980's. Of the same scale, this was a decent item and possibly does not receive the plaudits that it deserves. So, nearly 30 years on and Heller are back with a tractor kit. The question is, what do we think of it?

128 parts are neatly packed into an attractive box advertising the 'little grey' tractor. Naturally, as the kit is French, modeller's have the option of two builds. The standard Ferguson or the french built FF30. In addition, users can adopt a swept exhaust system which can simulate further versions of the model in terms of engine spec.



Above: There are some good amounts of detail on the model including fine parts picked out in the engine compartment. If you wish, you could colour these or even add wiring to enhance the detail further.

As with many model kits, the sprue marks left on the parts



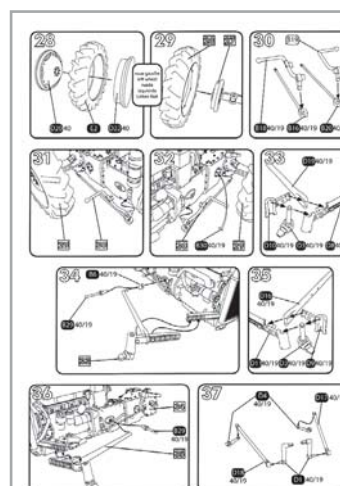
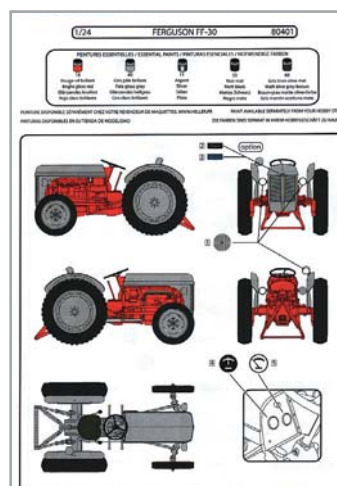
Verdict	
Model	Ferguson TE20
The Good	Lovely detail and good kit quality
The Not so Good	Confusing instructions.
Price	£25.00
Model Detail	90%
Model Accuracy	90%
Build Quality	90%
Functionality	85%
Value	85%
Overall	88%
Rating	★ ★ ★ ★



Below Right: The kit provides builders with the option of producing a Ferguson FF30 tractor.



Above: Our kit builder mounted his built onto a plinth. It looks an impressive model once completed.

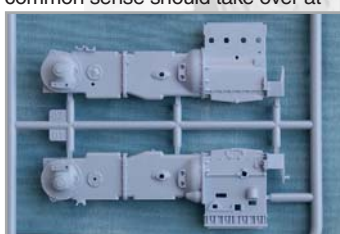
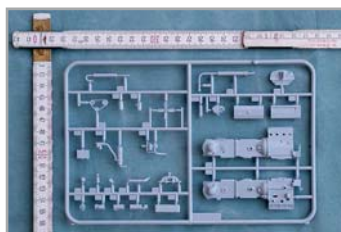


can either make or break the quality of the built. Thankfully, the kit here did not leave too many debilitating features on the parts.

Our kit builder for the model was generally positive about his experience. He suggested time is of the essence though and you will need to set yourself plenty of it with this somewhat tricky built however beginners should not be put off by the complexity. There was a suggestion from him that the instructions in places are actually not quite right or misleading so common sense should take over at

this point. Namely at step 32 when dealing with wheel assembly. Our builder also commented that the tractor is designed (by a Frenchman) so to equip the kit for left hand drive, you will need to tweak the parts positioning slightly for the rear mirror. He was slightly disappointed by the headlight decals and noted how delicate the rear hitch assembly is. Being a notable expert at kit building, our modeller also added additional functionality to the kit by making the front bonnet lift and close to reveal the engine detail. We do suggest you do not worry about this though if you're an inexperienced builder.

Lastly, on the kit shown here, the tractor parts are painted. Although the parts supplied in the kit come in a fairly authentic grey, a touch of paint tends to lift the model slightly higher in terms of authenticity.





Hurlimann H-6160 Tractor

MO-Miniatur 1:32 Scale

Right: The H-6160 was top of a 4 model range of tractors introduced by Hurlimann in 1979.



German model manufacturer MO-Miniatur have developed a glowing reputation in recent years for producing a fine array highly detailed resin cast range of classics largely centred around 1/32nd Steyr tractors from the '80s.



Right: Whilst functionality, and playability is very low on their list of priorities when producing a model, attention to detail is most certainly at the very top.

Whilst functionality, and playability is very low on their list of priorities when producing a model, attention to detail is most certainly at the very top when they produce a model. Not easy given the material they choose to build their 1/32nd scale master pieces with. Resin cast models are notoriously difficult to refine and produce a clean and smooth finish, something that other manufacturers both large and small have found out over the years.

For their latest 1/32nd scale offering MO-Miniatur have teamed up with Swiss model distributors FM-Modellbau to produce Swiss manufacturer Hurlimann's flagship H-6160 tractor from the late '70s / early '80s especially to commemorate the company's 50th Birthday.

The H-6160 was top of a 4 model range of tractors introduced by Hurlimann in 1979 alongside sister



companies Same and Lamborghini. Powered by a 160hp 6.8 litre 6 cylinder water cooled diesel engine the same motor and many other components were used in the almost identical Same Hercules 160, and Lamborghini 1556. The tractors remained in production until 1983.

Using resin as the main building material for the model means the entire chassis, axle housings, and trumpets, front weight block, and hydraulic services are cast as one complete block. Despite this there's plenty of detail carved into the weight block, some rudimentary but none the less

Verdict	
Model	Hurlimann H-6160
The Good	High detail for a resin cast model.
The Not so Good	Price
Price	£130.00
Model Detail	90%
Model Accuracy	90%
Build Quality	90%
Functionality	80%
Value	90%
Overall	88%
Rating	★★★★

accurate engine detail exists, and the continental style hitch has been clearly picked out at the rear.

The remaining major components of the model, again resin cast have been neatly glued to the rest of the chassis, including lots of smaller details.

The bonnet has been beautifully crafted to incorporate all of the classic early '80s Hurlimann lines right down to the embossed strike through and badge on the front grill. The lights whilst painted on still look accurate and in keeping with the rest of the model. Other extraneous parts here have been modelled very precisely including the engine's ribbed exhaust.

Moving onto the cab, the 1/32nd scale version Mo-Miniatur produced includes all of the styling cues associated with the real deal, from the four cornered lights to the delicately attached mirrors and windscreen wipers. Whilst the cab is fitted with period tinted and smoked glass, this isn't an excuse not to include any internal cab detail. Shine a light in there and it's all there.

The mudguards and floor pan are another separate part to the model and include the correct black mudguard extensions complete

with painted lights. The rear linkage whilst primitive and placed in a fixed position is all there, and very well detailed with many of the parts picked out with the paint brush

and the paint finish is excellent.

If you are an avid collector of high horse power classics wanting a genuinely exclusive display model, and not remotely concerned by



Right & Below: The bonnet has been beautifully crafted to incorporate all of the classic early '80s Hurlimann lines right down to the embossed strike through and badge on the front grill.



to heighten the sense of detail.

The wheels and rims are equally superb right down the highly detailed front hubs and lugs on the rear wheels that attach the centres to the rims. They're absolutely spot on and another highlight of this model. The Hurlimann, and model number graphics too have been recreated very accurately,

playability this model cannot be ignored. At £130 it's not cheap, but hurry their might not be long left to acquire one of the 300 that has been produced through the FM-Modellbau website.



International 3388 2+2 Museum Edition

Ertl 1:32 Scale



It's back! Having being discarded from the Britains catalogue a couple of years ago badged as the 3588 and marketed as an £18 toy-cum-model sister company Ertl have resurrected the 1:32nd scale Snoopy

and reincarnated it as the 3388.

Released by Ertl as a Prestige edition model for the National Farm Toy Museum the 3388 commands a much higher price as result, a hefty £60 for something outwardly identical to the original toy. For that you get the NFTM 2017 lettering printed on the sun roof and that's about it.

Other differences to the original Britains release include red cab interior compared the tan of the original. A towing eye instead of a hook reducing it's functionality further, and a warning triangle sticker which wasn't

present on the original either.

That said this is still a wonderful model to look at. The glowing red paint finish is superb, and the printed graphics are clear and crisp too. The bulk of the model including the main chassis, bonnet, and cab roof is of rugged metal whilst smaller details such as the link arms, exhaust system, lights and cab detail are all in sturdy plastic.

The chunky super single tyres look purposeful on the excellent and very realistic rims with the wheel nuts and bar axle picked out in both black and silver. As with the original model

Verdict	
Model	International 3388
The Good	Graphics, and the return of the Snoopy!
The Not so Good	Functionality.
Price	£60.00
Model Detail	90%
Model Accuracy	90%
Build Quality	90%
Functionality	70%
Value	75%
Overall	83%
Rating	★ ★ ★

Below: As with the original model the front half of the bonnet slides forward to reveal the beating heart of the 3388, a nicely detailed version of International's 7.1 litre engine. Some of the engine's features have also been painted including the oil filter.



Above: Released by Ertl as a Prestige edition model for the National Farm Toy Museum the 3388 commands a much higher price as result, a hefty £60 for something outwardly identical to the original toy.

with this particular model will either need to replace the hitch, or modify the headstock of any mounted equipment. It loses further functionality points because of the towing eye too.

It doesn't get any better when it comes to the steering capability of the model. As with every other variation of this model produced the plastic concertina that mimics the joint cover on the real tractor is made of stiff plastic and as result the model is great for ploughing straight, but not much else. It certainly won't sit in a steerable position.

This model just like the original 3588 really looks the part, and ultimately is a great representation of the real 2 + 2 Snoopy design. But, it lacks any form of functionality, and this latest release despite being dressed in a Prestige box, with it's National Farm Toy Museum heritage

is still based around an £18 toy with a bit more detail. People with the original will perhaps struggle to justify the £60 price tag. But if you're like me who loves collecting

classic articulated tractors, and has a bit of a soft spot for International tractors, it's another excuse to add another Snoopy to your collection that you simply must have.

the front half of the bonnet slides forward to reveal the beating heart of the 3388, a nicely detailed version of International's 7.1 litre engine. Some of the engine's features have also been painted including the oil filter.

Moving to the cab the major features look neat and in proportion. The steering wheel feature's a steering knob, and the seat also comes equipped with a moulded and painted seat belt. As with the original model the 3388 comes fitted with a rather cheap and tacky looking plastic three point hitch. As result anyone wishing, or wanting to display any implements





Red & Blue Zetor Crystals

Universal Hobbies 1:32 Scale



Universal Hobbies third instalment from its six cylinder Zetor Crystal releases is arguably the most iconic and well known version it has released. The 2wd 12011 in orange and gold. For collectors in the UK this will be the most appealing of the three models of this tractor. Throughout the 70s Zetor's four

cylinder 2wd 8011, and six cylinder 2wd 12011 provided economical power with ample levels of comfort and features for many livestock farmers in the UK including hydraulic dry disc brakes, open centre hydraulics with lower link draft control, and their own air supply.

Universal Hobbies have done an excellent job at accurately recreating the orange and light gold livery on this model including picking out the mudguard and cab rubber in black. The overall paint finish just like the first two versions is superb.

The 12011's rear wheels return to having the solid centres of the museum edition without the wheel weights of the blue second edition. Cab details, dials, and external features such as the lighting, mirrors, and windscreen wipers have once again been individually picked out

and carefully added to the model in robust plastic. The grills on both the front of the tractor and side panels also replicate the real version and are sharply painted in silver.

Aside from the livery change the biggest difference between this version and the previous two releases is 2wd axle. In keeping with the rest of the model the axle is very accurate, and the build quality is fantastic too. The round bar front axle offers some degree of steering function and whilst not actually suspended it is modelled to represent the suspension fitted to the real machine. As with the 4wd versions front mudguards are a key feature and on my example



Verdict	
Model	Zetor 12011 / 12045
The Good	Superb paint finish.
The Not so Good	Rear hitch
Price	£49.50
Model Detail	90%
Model Accuracy	95%
Build Quality	90%
Functionality	85%
Value	90%
Overall	90%
Rating	★★★★★

do allow the tyres run freely. The tyres themselves are made of soft rubber with realistic tread pattern.



The dished rims too, accurately portray the six stud hubs.

Whilst the other issues of hitch compatibility from the first two releases remain, Universal Hobbies have still produced a fantastic set of six cylinder Zetor Crystal models culminating for the time being with the 2wd 12011 that would look both at home in a display cabinet or in a scenic display. They're all wonderfully well finished and offer great value for money. I certainly wouldn't complain in the slightest if we saw more models released based upon this casting.

Blue Version

As previously mentioned Zetor launched the Crystal in 1969 as part of the "Unified Two" (UR2) series of tractors that were built and shared parts by both Zetor and Polish manufacturer Ursus with the 6 cylinder 12045, and 12011 being launched in 1974.

Principle difference of the first release which was based exclusively on the 12045 that exists in Zetor's heritage museum at their factory is the colour scheme. Gone has the exotic vibrant orange, yellow and white livery replaced with an arguably much more subdued but none the less accurate and crisp blue and light grey livery. This paint scheme whilst not common to the UK is representative of the region it was produced for in it's native Czechoslovakia.

Other key differences from the original release are the lighting

Left: Aside from the livery change the biggest difference between this version and the previous two releases is 2wd axle.

arrangement at the front of the tractor and the addition of a pair of very accurate wheel weights attached to the solid rear rims. In place of the out board lights from the museum version are Zetor's iconic embossed in board lights with the Zetor lettering in the centre of them. The lights themselves are individual plastic examples very neatly positioned on the model.

In keeping with the original release all of the cab details, pedals, seats, and controls have been beautifully picked out in sturdy plastic along with the very well crafted front wheel centres and front fenders too.

As mentioned in my review of the first edition of this model, it's biggest let down is the rear hitch which lacks compatibility with any mainstream mounted equipment. A period silage trailer or slurry tanker would look great however

displayed with the towing peg. The wheels on my example run freely and overall build quality is superb.

Whilst the uncommon livery perhaps won't be as popular with some collectors, it's still a great looking model of a '70s classic worthy of a place in any classic era display or collection, and at just shy of £50 offers great value for money.





Allis Chalmers vs Allis Chalmers

Model Farmer looks at the 1/32nd scale Allis Chalmers articulated tractors that Ertl released earlier this year based on previously released castings. We highlight the key differences between the models.





Above: The two versions of the 7580 are very much chalk and cheese.

Below: Fantastic extra detail on the earlier version of this model.



Above: The real deal. Quite an imposing beast in the flesh!

Back in 2001 Ertl released in association with Toy Farmer a basic but bold and vibrant model of Allis Chalmers's Steiger based 440. 7 years later we saw Ertl produced a much higher detailed limited run of Allis Chalmers 7580 models for the National Farm Toy Show. A tractor that was developed originally in house by Allis Chalmers themselves.

As with many previous Ertl articulated tractor castings they're both back having been re-released

in period Allis Chalmers liveried open fronted boxes priced at a perfectly acceptable £35 each. The question is given that from a distance they outwardly look absolutely identical are they worth adding to a collection of articulated model tractors if you own the original releases. They're a number of subtle differences as we will now discover.

Starting with the smaller 440 it's very clear that sat alongside the original, the newer version is a



Left and Right: The later version has a darker orange paint finish.



darker orange than the first release. Other details such as the exhaust tops, and lights picked out in silver and black on the first release remain unpainted in the newer

version. 2-0 to the old one then.

However the newer 440 has been fitted with a towing hook making it much easier and a more functional prospect to yoke trailed equipment to it compared to the older examples ring hitch. The tyres too look much realistic on the new model having

Right: Details such as the exhaust tops, and lights picked out in silver and black on the first release remain unpainted in the newer version.



Right: Whilst the original realistic hubs remain from the original even more realistic clamped duals and rims have made there way onto the 440 from the 7580 too.



looks so much better for them too.

The two versions of the 7580 are very much chalk and cheese. As has previously been the case, we see the National Farm Toy Show version loaded with extraneous details attached to the casting including a rear 3 point hitch, wing mirrors and lighting as well as a host of warning decals and individually painted parts. The newer release as we have seen so often before comes equipped with none of these items but does include a towing hitch for trailed implements.

The same darker orange livery seen on the 440 has also been used.

For collectors of articulated tractors these models will be a must. They're bright, vibrant and contain that wonderfully basic Ertl charm that harks back to the articulated tractor toys they produced in the '80s. There's enough differences to make them look great lined up with the original releases, the addition of towing hooks gives them an extra element of functionality. They're great value for money too at £35 each.

being sourced from the 7580 we will look at too. Whilst the original realistic hubs remain from the original even

more realistic clamped duals and rims have made there way onto the 440 from the 7580 too. The model

Verdict

Model	Allis Chalmers 440 Old Version	Allis Chalmers 440 New Version	Allis Chalmers 7580 Old Version	Allis Chalmers 7580 New Version
The Good	Vibrant paint work	Improved clamped duals and tyres.	Loads of extra details	Robust and functional
The Not so Good	Unrealistic tyres.	Darker paint.	Rear Hitch	Dark Paint
Price	£40 to £50	£35	£60 to £70	£35
Model Detail	75%	80%	90%	75%
Model Accuracy	90%	90%	90%	85%
Build Quality	90%	90%	90%	90%
Functionality	85%	90%	85%	90%
Value	85%	90%	85%	90%
Overall	85%	88%	88%	86%
Rating	★★★	★★★★	★★★★	★★★





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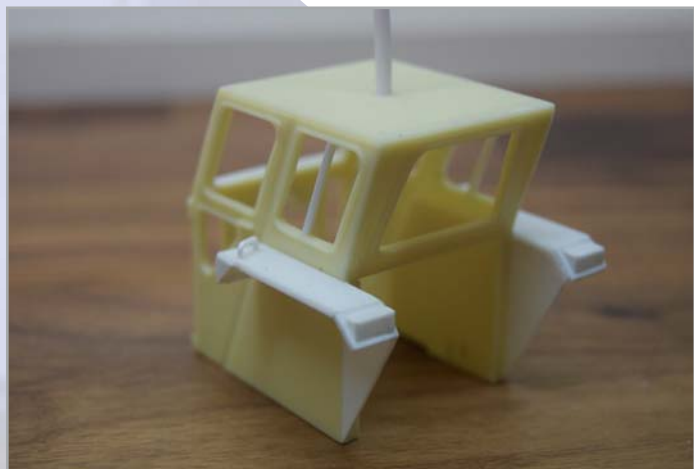
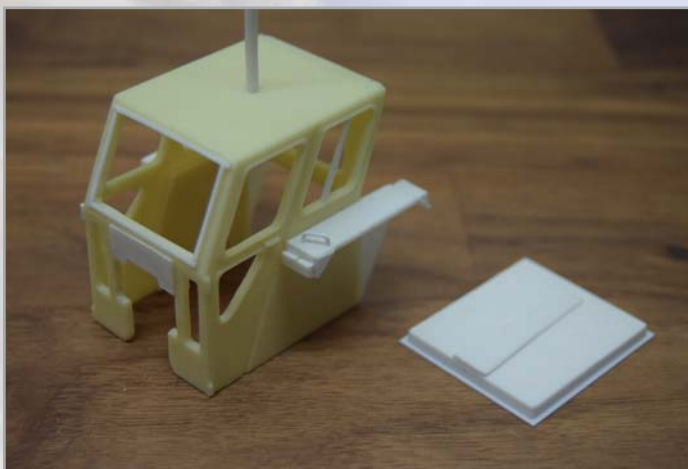
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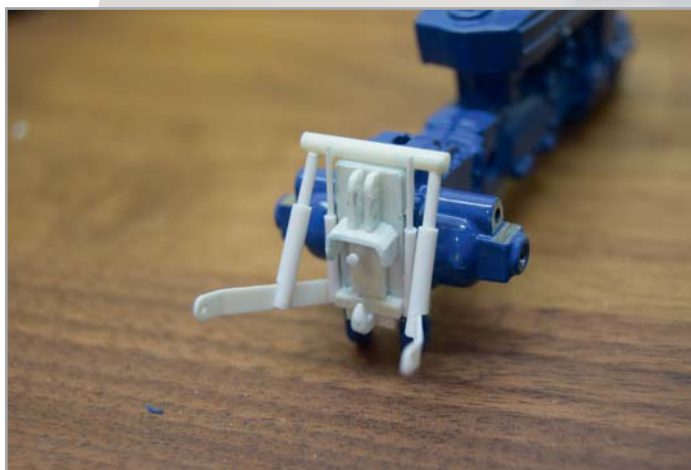


Scratch Build: Roadless 98

Model Farmer features this wonderful scratch built tractor model from FTF Member Tabmodels. Using an old Britains Ford 7600 (pre Q cab) chassis, this marvellous Roadless machine is born!



Above: Starting with the cab, using a resin cast Duncan cab, this had to be modified to include the sliding side windows, aluminium framed windscreen, a scratch built roof top, and scratch built mud guards.



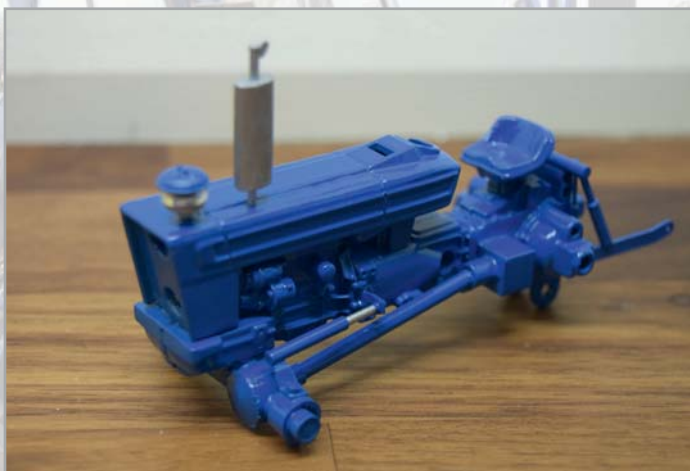
Above: Work also started on the skid unit. Britain's bulky rear end got the chop to accommodate a scratch built rear linkage. Resin exhaust added and relocated to the front of the bonnet.



Above: Front wheel centres made, big planetary hub and ten studs, along with front axle, driveline and steering ram. A late request for a proper dash cowling also made along with gear levers. SCALEDOWN rear tyres used along with UH MF 590 front tyres.



Above: Duncan cab painted, glazed and detailed. Still to be fitted, a vintage number plate, roof decal and plough lamp.



Above: Axle attached to skid unit along with seat, exhaust and pre cleaner. I decided to go for the blue pre cleaner and silver exhaust from that era. Skid unit and bonnet sprayed along with dash cowling, 'perspex' dash cover fitted along with steering wheel



Above: The finished article with window wiper fitted and other fine details.



In partnership with Ainscough Training, PMMW has commissioned this special crane from Conrad. Only 100 models have been produced with just 50 being available for general release. PMMW readers can order the model for a special price of £120.



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Farm Diorama Focus: Ja



Here we have a diorama showing the conversion of cord wood into logs by various methods.

Overview of the diorama

The left hand side of the layout represents a farm that is focused on firewood production with a stock of cord wood. The diorama shows the conversion of cord wood into logs by various methods; timber going into billets which are bundled, alternatively the cord wood is directly processed using a firewood processor with associated Log deck into vented 1m³ bags for seasoning.

The diorama shows 2 distinct stacks that would typically be the last years seasoned stock going to be sold and the freshly filled bags stored to allow the seasoning process to happen. The oversized timber is shown sawn into rings, split and loaded directly into a trailer. Once the bundled billets are seasoned they are sawn into the required log length and are shown loaded to a traditional 3-4 ton farm trailer. Bagged deliveries

are made using a Ford transit and a larger flatbed truck. I have managed to capture all these processes in the log yard area of the diorama.

In front of the farm house I have represented a tree surgery company removing conifers, chipping them and a controlled tree removal by the road with the timber winch attached to the top of the tree whilst it is sawn to ensure it falls

away from the road and walls.

The middle of the layout shows a scrap yard with bays at the back to provide segregation of waste types, in the yard there are several working skip trucks and plant equipment. In the front area there is a typical garage with 2 bays, 1 fitted with a vehicle lift and internally the garage is equipped with fixed equipment, benches and tools etc.

Below you will see the scrap yard component of the layout.





The right hand side is a traditional hay harvest scene.

I'm trying to develop perspective into the layout with smaller scales in the rear, starting with a yard area behind the hay field in 1:87 scale, the road to the left is tapered to enhance this effect. I need to replicate the tapered road effect on the central road and position smaller scale vehicles to the rear section of the road. I have also started to create a back drop board and this needs

- a) The Firewood processor complete with Log deck,
- b) Timber Winch with the rope attached to the large conifer,
- c) Saw bench behind the grey Ferguson T20
- d) Timber chipper (Timberwolf styling) behind the unimog, the chipper is based on a Britains sankey trailer chassis.

2) There are a few vehicle based modified items such as:



a landrover on the right hand side road, this is based on the siku 1:87 chipper moulding and mounted on a modified Britains Sankey trailer chassis

My Buildings

- a) Brick and Tile House, but this is not complete the windows are an ongoing project,
- b) The large span Portal frame shed, is of steel construction complete with sheeting rails,
- c) The Dutch barn,
- d) The grey garage fully clad portal frame building with lower concrete block walls and roller shutter doors.

Other scenery builds:

- a) Fuel Tank on support structure at side Left side of dutch barn,
- b) Weighbridge,
- c) Air compressor and receiver at side of Garage, receiver to be painted light blue, behind the VW camper,
- d) Approximately 100 off 1m³ vented log bags all hand made including lifting lugs,
- e) 1m³ bundles of 1m long billets of timber most are stock in the dutch barn and are not visible.
- f) Large amount of scaled split logs.

Other items of note:

- a) A yellow Bomford labelled tractor mounted large horizontal splitter is a Ebay purchased scratch built item,
- b) The Ertl John Deere 3140 with OPU cab is quite rare (I actually have a 4WD John Deere 2040 with the OPU Sekura cab so getting this model was of particular interest to me),
- c) Mixed scale with 1:87 model in back right hand corner to create perspective to the layout, this theme of smaller scales will be continued across the back section of the layout, as well as the odd 1:50 item in the front area.
- d) The hay and haylage scene has straw coloured bales rather than hay coloured, another item sitting on the to do list.

I work away from my home for long periods of time and only get limited time to physically work on the development of the layout, whilst away I do some vehicle builds and I'm currently working on another 1:32 Airfix Mini in a none standard Orange and Black livery and I also have a 1:32 Revell Unimog to build and be part of the Tree Surgery companies equipment located in the front scene in the future.



to be extended behind the right hand side log yard area again with smaller scale items in the rear fields.

The layout started out based on several 1200 x 600 mm boards. The roads and back area are 1200mm long but with reduced width and the overall layout is approximately 2.9m wide and 1.8m front to back at the moment.

I few things worth mentioning about my diorama

1) I have a few unique scratch build items I have made such as:

- a) Chip Body on a FX models Unimog.
- b) Scania 6 wheeler flat bed conversion,
- c) Britains Timber truck conversion,
- d) Britains Trailer behind the International 784 loaded with cut logs started life as a high sided trailer and is cut down to reflect a typical 3-4 ton Weeks style trailer,
- e) Single axle log trailer started life as a broken Britains Wright Irrigation drum chassis
- f) There is another chipper towed by





Grassland and Muck 2017

Model Farmer and Farm Toys Forum's resident "Tractor Twitcher" brings a photographic review of a wide range of machinery being demonstrated at the triennial Grassland and Muck Demonstration held at Stoneleigh Park in Warwickshire at the end of May



Above: Massey Ferguson 7718 and Lely Splendimo mowers at work at the event.

Below Left: New Holland T7.260 and New Holland Roll Belt 180 round baler on the move. **Belowt:** Valtra S series working with Pottinger triple mowers fitted with groupers.





Above: Case IH's brand new Maxxum 145 CVX at work with this matching RB455 round baler.



Above: Pink Valtra N series raising awareness of Breast Cancer UK at the show.



Left: Claas Arion 650 matched up to this 465RC round baler at the event..



Left: Massey Ferguson 7720 and 7726 silaging with Lely equipment at the show.

Below: Fendt 500 and 700 series Vario tractors working with a pair of Strauttmann forage wagons at the show.



Above: New Holland T7 series tractors powering away with this Richard Western trailer and Kongskilde trailed forager..



Bottom: Immaculate Fendt 724 "Black Beauty" and Malone forage wagon waiting for some action at the show.

Below Left: JCB Fastrac 8330 carting silage away from this Krone Big X 770 forager at the event.

Left: Impressive JCB Fastrac 8330 and Stewart triple axle silage trailer ready for action at the show.





Above: JCB Fastrac 4220 and Krone forage wagon up a few swaths at the event.



Below: New Holland T6 series tractor and Kongskilde tedder at work at the show.



Above: New Holland W170D loading shovel being demonstrated on one of two clamps at the show.



Above: Wrapping a very tidy bale was this McHale Orbital wrapper yoked to this Massey Ferguson tractor at the show.



Above: Old school horse power in the shape of Mike Sainsbury's New Holland 8970A working with this Schuitemaker forage wagon at the event.



Above: Reverse drive 542hp Fendt 1050 Vario taking it's turn to be demonstrated on one of the two clamps.

Below: Model Farmer magazine were displaying prototypes of their forthcoming black and gold limited edition Ford 7810 tractors from Universal Hobbies..



Above: Holmer's silage spreader and front packer being demonstrated aboard this Claas Axiom 950 tractor at the event.



Below: Holmer Terra Variant 600 and Zunhammer slurry tanker on the move at the show.

Below: John Deere 6215R and matching L1534 large square baler being demonstrated at the event.



Above: Pottinger Impress 185 V Pro making it's uk working debut at the event behind this Valtra N Series tractor.



Above: Fendt Katana 65 forager filling this K Two Rodeo trailer pulled by a Fendt 724 Vario tractor.



Above: John Deere 6195M being demonstrated at the event with this John Deere trailed mower yoked behind. **Below:** Huge triple axle Pichon slurry draws an interested crowd of spectators yoked to this John Deere 8R series tractor.



Above: McCormick X7.650 and West dual spreader waiting for action at the show. **Below:** Kubota M7171 and Hi-Spec Excel 1250 rear discharge muck spreader waiting to be demonstrated at the show.





Above Right: Three's a crowd! JCB putting on an awesome display with their 419, 413, and 435S loading shovels on the clamp.
Right: New Holland T5.120 and loader heading away from the show on the final afternoon.

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Harry's Irish Combines

Model Farmer welcomes Harry Bell back to the magazine this issue with a spectacular visual display of his combine collection straight from his new abode in Italy. We'll be seeing much more of Harry's work in the coming issues.

Harry Bell is no stranger to Model Farmer, and last May he moved lock stock and barrel to Umbria in Italy.

Along with his two Border Collies and two cats he transported most of his model collection and is now showing them at Model Shows in Italy.

He watered down his Northern Irish themed collection, especially the Paul Savage Sheds. Although he kept his favourite, the other sheds sold like hot cakes when he put them up for sale on Facebook. (Italy's traditional shed is entirely different in design to the Irish) He still managed to retain a few of his favourite items including a few trailers and

models from his friends Martin Thompson and Gary Thompson.

His most prized possessions are his combines which he works on every winter adding more and more detail, just in time for the harvest photographs.

Italian harvest starts in the last week of June and is well on schedule.

Harry now has approx 28 combines and is always on the look out for something new to work on.

During the past winter Harry added more realistic wider tyres to most of his combines. Gary Thompson supplies all the wheels and tyres and they look very well when sprayed and weathered.



The TX66 has been taken apart, completely re-sprayed in Clayson Yellow, wider tyres, lots of engine detail with some new decals still to be added, over the next winter Harry will add steering rear axle, wires, more lights and detailing under the combine including hydraulic wiring.



This Deutz M36.10 required a lot of work, panels were out of plastic and metal to expose the new engine detail, a new cab had to be made from scratch and Harry's friend Martin Thompson supplied it to his usual high standard.



Working in Italy



This UH New Holland CR 9090 was a tracked model, the tracks were removed, the header shortened, wide wheels and tyres, finer hand rails and weathering around the engine, and of course the essential fire extinguisher added.



This New Holland 8070 is probably Harry's favourite and he intends to add another to his fleet over the winter break. Many hours work have already gone in to getting this classic to this standard and Harry still intends to do further work on her. He intends to add detail to the grain bin, replace the doors, and probably a new set of tyres.



Ertl John Deere T670i is coming along nicely but will have a new header added, new hydraulic pipes and detailing at the rear.



Case 8230 Axil Flow and AFX 8010 are coming along nicely, much work has been done to the engine bays, as with all his combines more realistic detail is added to the cab and where possible Harry cuts out windows to see into the grain bin from the cab, not an easy task. Hand rails, bigger wheels and tyres added and in the winter months detailing will be applied to the rear end of both machines.





New Holland 8070 has had a lot of work and weathering done to the engine bay and is earmarked for more detail in this area over the winter.



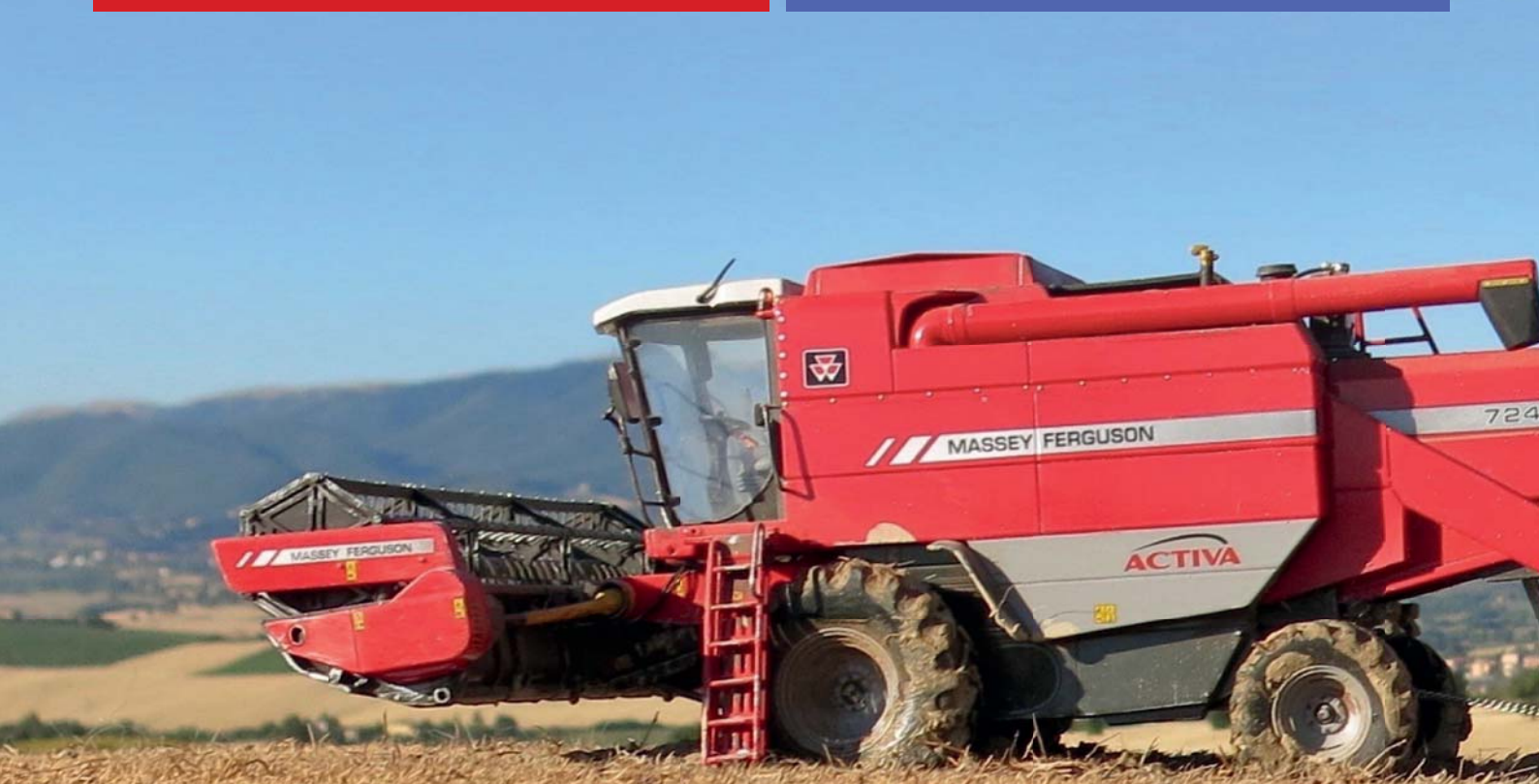
UH Massey Ferguson has had little work done to her bar the doors on the header bin and some weathering. Harry is intending to do some research on this combine if he can find the real thing to clamber all over and photograph (more fun than Googling he says finding the real machine and meeting the owners)



Britains NewHolland TR85 didn't quite make it for this years harvest, Harry is still not happy with the engine bay, the grain bin and has decided to change the tyres at the rear.



Britains John Deere T670i will be revamped at the rear end and more detailed and realistic tow bar added.





Harry's latest project is a Case 2188 Combine. A lot of work has gone into the engine area and with still more work to be done, unfortunately she will not be ready in time for this years harvest photographs.



As well as more detailing work on all his combines, Harry told us he intends to separate as many combines from their head's and build as many header trailers a possible over the winter months. He will be kept very busy. Harry features his models on Facebook regularly and has mad lots of new friend's in Italy.



Write to us: "Dear Editor", Model Farmer, 3 Orchard Close, Saracens Head, Holbeach, Lincolnshire. PE12 8AR. UK
Email us: info@modelfarmer.com

Draw or Send in a Picture and get it Published!

This issue we feature a picture from Guy Shepherd, aged 6 from Daventry. Thank you Guy.



Reader's Scratch Build

Dear Model Farmer,

I have recently finished building a Massey Ferguson 399. It was based on a Universal Hobbies Renault with the cab, mudguards and bonnet built from scratch. It has new bigger wheels and a weathered finish. The trailer was also built from scratch. from Alex Finch.

(Editors Note, Alex. thank you for sending this in. Please share more of your work and will make sure it gets featured as an article in our next issue.)



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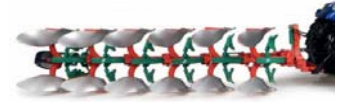
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