

Phoenix Arises With 3D-Printed Railroad Accessories

Gary Wollenhaupt

The folks at Tru-Color Paint have branched out into 3D-printed accessories for railroaders and modelers with Phoenix Precision Models.

The new subsidiary, based in Phoenix, Arizona, alongside Tru-Color, provides parts and models in N, HO, S and O scales. First to market will be seven items in all scales: container construction offices, trailers and bulldozers, as well as crates, dumpsters, pallet stacks and 12-foot ladders. More railroad-scale items, as well as custom orders, will be announced soon. The items will ship unpainted but are perfect for painting with Tru-Color paints.

Plans include 1/72, 1/48 and 1/35 scale military accessories and armor. Under development are figures and buildings depicting the Battle of El Alamein in World War II, according to Martin Cohen, one of the masterminds behind both companies.

The 3D printing process uses a two-part resin format rather than the more familiar filament-style printing. The resin parts are built up by thin layers, usually more than 1,000 layers, depending on the part. In the resin printer, the pieces hang below



the printing plate, supported by resin armatures that are cut away when the printing is done. Each part is trimmed, cured, and sanded by hand before packaging. A piece like a construction trailer can take more than six hours to print.

Martin and his son, Scott, developed a range of products and learned the ins and outs of 3D printing. Some items print better at an angle, while others turn out better if they are solid rather than hollow. Some of the large-scale, solid-printed machines, like bulldozers, feel as hefty as a diecast model.

The resin printing is capable of very fine resolution, so incredible detail can be achieved on the small-scale parts. Things like headlights and handles are recognizable and sturdy.

With electronic files, it's easy to make variations to keep the product line fresh and reflect new ideas. The company is adding more 3D printers to expand its production capacity.

The first release is available to retailers from most of the major hobby distributors. More items will be announced soon. HM



MODELS

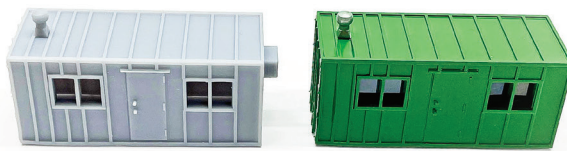
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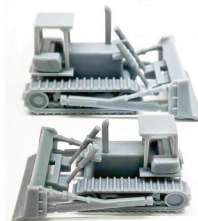
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Phoenix Precision Models Presents... 3D-Printed Detail Parts, Accessories & Vehicles

Phoenix Precision Models is releasing seven (7) new 3D-printed vehicles and accessories in N-, HO-, S-, & O-Scale in the Third Quarter, 2023. These detail parts and vehicles are 3D-printed in gray resin, and come with the supports off the model, and not painted. They are available now from your favorite distributor. Or, you can contact us either by phone or email to inquire into our 3D-printed railroad products.



PPM-31000: HO-Scale 20' Container Construction Office, Undecorated & Painted



PPM-30020, PPM-31020, & PPM-32020: N-, HO-, and S-Scale Mid-Dozers

HO- and S-Scale, Undecorated



PPM-30525: N-Scale Pallet Stacks, Full- Assortment, Undecorated & Painted



N-Scale, Khaki Paint



PPM-32005: S-Scale Lowboy Trailer, Painted

PPM-30525, PPM-31525, & PPM-32525: N-, HO-, and S-Scale Pallet Stacks, Full- Painted

