

# DRILL MAST PILES

**The Bauer BG40 carrier is a versatile platform for a range of drilling, piling and foundation attachments. Steven Downes reports on the release of two different versions of the BG40 in 1:50th scale from BYMO.**

**T**hese two scale models accurately demonstrate the principles of continuous-flight auger drilling and slurry wall trench-cutting applications. The carrier has fully replicated track frames with tensioned, individually linked metal tracks that can be extended to give a wider footprint during operation, while allowing the model to be accurately depicted in transport mode.

The body casting has plenty of fine detailing, including photo-etched grilles, accurately cast body panels and a detachable counterweight. The mast base captures all the movement of the original machine very well: two dummy winches are mounted to the rear of the boom, complete with hydraulic cables to the winch motors and the main winch housed in the body and operated by a winding key. The replicated cab includes all the controls and display screens of the full sized machine for added realism.

The trench-cutter version is supplied with a very detailed and realistic BC40 cutter that highlights all the internal structure and components of the full-size attachment, including rotating cutter wheels that have intricate tooth detailing and the modelled steering flap devices that give the cutter its fine adjustment.

The sledge runs along the length of the mast and is controlled from the main winch, and mud and hydraulic hose guide drums are installed to keep the hydraulic bundle and mud extraction hose in place. The cutter is secured to the sledge and raises/lowers smoothly as the winch is operated.

The continuous-flight auger version of the model has a guide assembly to keep the auger stable, plus an integrated swing-out auger cleaning arm.

The main rotary drive unit has simulated suspension springs and a detailed hydraulic motor drive, complete with a photo-mesh walkway, plastic ladders running up the boom, fully reproduced hydraulic hosing and a realistic auger.

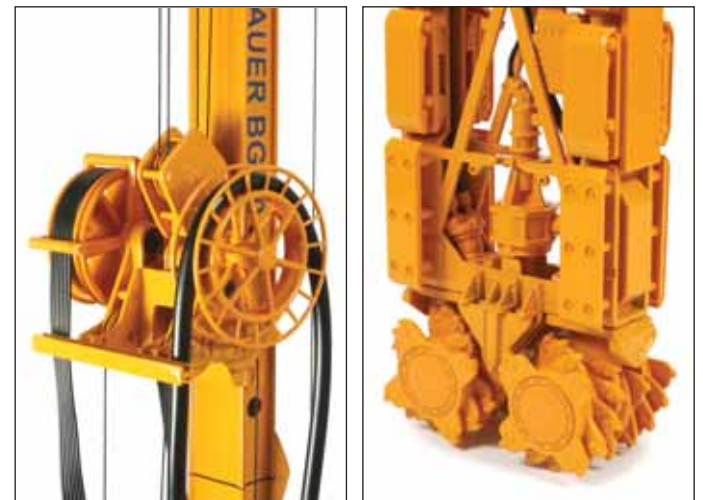
*The Bauer BG40 prime mover fitted with a BC40 trench-cutter and a continuous-flight auger piling drill.*



*The base machine has a superb level of detail, including individual track pads that add to the sense of realism.*



*There is a good level of detail on the sledge and cutter wheel, together with realistic hoses and ropes.*



*The piling rig version features a lower auger cleaner frame and an upper rotary drive with walkway.*

