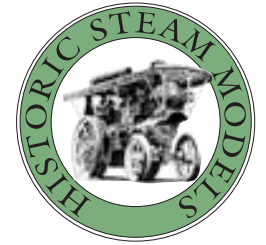




HISTORIC STEAM MODELS

QUALITY ENGINEERING IN MINIATURE



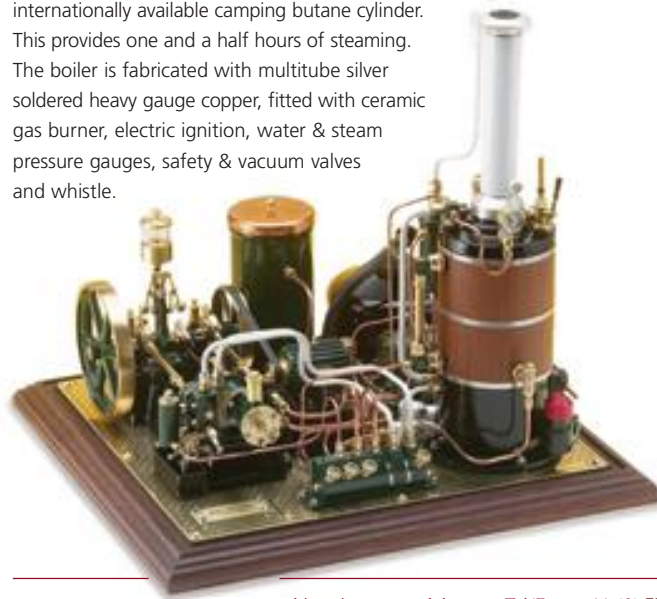
YORK- BOLTON, STEAM PLANT & MILL ENGINE



The York-Bolton model is a perfect 1/24th scale replica of the original 1890's designed stationary steam engine. These power plants were used to drive textile, industrial, agricultural and mining machines in the industries of the late 19th Century. The model is comprised of two parts; the fully functional York Steam Plant and the Bolton Mill Engine.

The York-Bolton's working castings are manufactured from brass with all exposed metal electroplated to prevent tarnishing. Other metal components are machined from stainless steel. Painted components use stove enamel epoxy, ensuring that the complete model will not tarnish or corrode with use.

The York Steam Plant consists of a feed water storage tank, sludge tank, oil separator and butane holder, which takes a standard internationally available camping butane cylinder. This provides one and a half hours of steaming. The boiler is fabricated with multitube silver soldered heavy gauge copper, fitted with ceramic gas burner, electric ignition, water & steam pressure gauges, safety & vacuum valves and whistle.



Gas flow is regulated with a control valve which cuts the main burner in and out to maintain preset steam pressure.

The Bolton Mill Engine

is a horizontal single cylinder slide valve unit. Crankshaft, eccentric and big end bearings are of sealed ball type, concealed to look like plain bearings, but giving long life and zero maintenance. A boiler



feed pump and steam lubricator are fitted, together with belt driven dynamo with voltage regulator and lamp standard. Other features are a dummy, but fully operational, ball governor and adjustable load damper, together with cylinder and steam chest drain, valves and sump.

The York-Bolton is available completely assembled and ready to steam or as a challenging self-assembly kit with complete build instructions, drawings & plans.

The boiler is fully tested and guaranteed with a pressure test certificate. Tool kits and display cases are available as options. An engraved name plate is available for personalised models.

TECHNICAL SPECIFICATION

Materials:	Machined stainless steel, electro-lacquered brass, copper
Power:	Butane or compressed air
Dimensions:	410mm x 390mm x 390mm
Components:	650 (approx)
Kit build time:	20 - 40 hours (depending on experience)

MERLIN, PORTABLE AGRICULTURAL ENGINE



Merlin is a superb 1/10th scale finely detailed model of an early French agricultural engine. The original unit was horse drawn and supplied power for a range of agricultural machinery such as threshers, saws and grinding mills through a flat belt drive. The single cylinder slide valve engine, controlled with flying ball governor, was fed from a multi-tube 'T' type wood fired boiler which incorporated fire door, ash pan, drain valve, water gauge, pressure gauge, filler throttle control valve and whistle. All of the external features are faithfully reproduced in this model.

The Merlin is made to the highest exhibition standard in terms of finish and fine detail. All ferrous materials are stainless and the bolts are fully CNC machined. All other components are fully CNC machined and finished in stove enamel or electro lacquered to prevent tarnishing.

The engine runs by means of a fully concealed electric motor/gear box and sits on wooden plinths (supplied). Low voltage power to the motor comes through contacts on the plinth to the front wheels so that there is no visible electrical connection thus maintaining authenticity. A transformer is provided to operate from the mains supply.

Modern, fully shielded ball bearings and self-lubricated sleeve bearings are concealed to simulate the original and are employed throughout to give long, smooth, trouble free running.

By having mechanical drive rather than live steam, at the flick of a switch, the beautiful action of this engine can be enjoyed over many hours, without causing any deterioration to its appearance.

The Merlin is available completely assembled and ready to run or as a challenging self-assembly kit.



The kit comes complete with all machined and finished components, drawings, instructions and adhesives, touch-up paints, mounting plinth and transformer. There are three models of transformer, 100/110V, 220V and 240V.

TECHNICAL SPECIFICATION

Materials:	Machined stainless steel, electro-lacquered brass, copper
Power:	12V DC internal motor
Dimensions:	580mm (l) x 300mm (w) x 400mm (h) 780mm (h) with chimney raised
Components:	750 (approx)
Kit build time:	25 - 45 hours (depending on experience)

Historic Steam Models Ltd. is the sole manufacturer of the very successful York ~ Bolton Mill Engine and Steam Plant and the Merlin Agricultural Engine. We are continually developing new models to add to our range. We are based in Billingshurst, West Sussex, England, where we hold extensive stock of spare parts and manufacture both self assembly kits and fully assembled, ready to run, models. We pride ourselves in producing a high quality product, which will give the owner many years of satisfaction.

All of our products are designed and manufactured in the UK with emphasis on combining new technology and manufacturing techniques with the historic designs and industrial works of art which form our quality products. Most of the components are manufactured using the latest CNC (Computer Numerically Controlled) machining centres and therefore maintain precise tolerances and do not need any further machining or finishing. All paint work is stove enamelled, exposed brass components are electro-lacquered, steel components are made from high grade stainless steel and wooden components are stained and lacquered to prevent any degradation of the finished model.



Our experience and procedures in manufacturing guarantee that these are the very best models of their kind that money can buy and will maintain their value and appeal. The finest materials, thorough and comprehensive design together with high quality components all ensure that these and future models will be something to cherish now, and for generations to come.

All our products are available in kit form or as a completed ready to run model. Full assembly instructions, together with engineering drawings, touch up paint and adhesives are supplied. Making this a project suitable for novice and experienced modellers alike.



DISTRIBUTOR STAMP

www.historicsteammodels.com



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