

FOREST CLASSICS

Welcome to our 2012 catalogue!

Our website in print featuring many new items and old favourites.

Europe's No1

Mamod
LIVE STEAM MODELS

Dealer

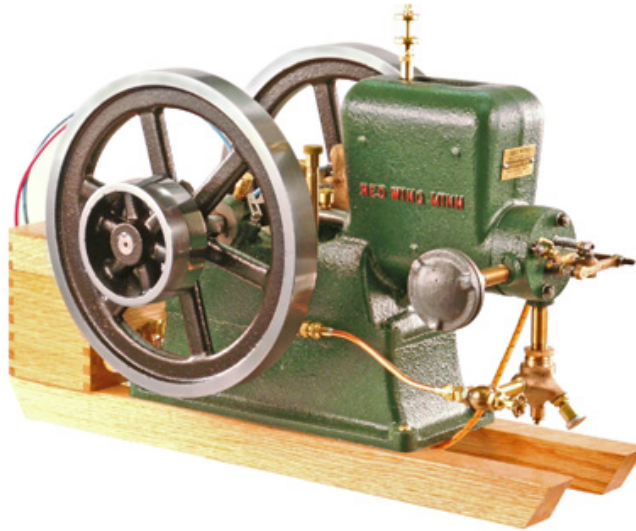


D. R. Mercer

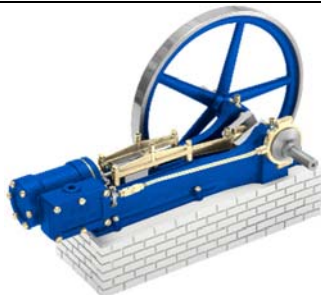


Maxitrak

NEW! We are pleased to announce that we have been appointed UK dealers for the full range of PM Research & Red Wing ranges of Steam, Stirling and Petrol/Gasoline engines.



The original 5 HP Red Wing Engine was the inspiration for this fully functional quarter scale model. It runs on regular gasoline and uses a buzz coil as an ignition source. The casting kit form of this superb bronze and iron engine is supplied with eleven bronze castings and eleven iron castings and several small parts such as springs, gears, piston rings and other small parts needed to build your engine along with a complete set of working drawings. See inside for details



PM Research - 1880's Steam Drilling Engine

For many years a mainstay of the Pennsylvania and New York oil fields, these engines can still be found in use today, although most have been converted to half breed gas engines.

This 1/8 scale replica has a 12" overall length and a 6 1/2" diameter flywheel. The bore is 1" & stroke 1 1/2". The kit comes complete with 18 sand castings, all the brass bar stock, gasket material, screws, etc. required and complete working drawings.

NEW! Galloway Hit & Miss 1/3rd & 1/6th Scale Casting Kits on Page 34 & 35 !

Forest Steam
Road Tyres

Sussex Steam
Company



Markie

For the full range of constantly updated models, visit our website at:

www.forest-classics.co.uk

Contact us.

Phil & Dee Handcock

Unit 2b, The New Building,, Ellwood Road,, Milkwall,
Coleford, Gloucestershire, GL16 7LE.

Tel & Fax: 01594 368318 Mobile: 07778 950725

Email: philanddee@tiscali.co.uk or info@forest-classics.co.uk

Limited Editions available only from Forest Classics.



"Goliath" Mamod TE1A.

A Limited Edition of 100
Featuring "Goliath" Mamod TE1A.

With a new piston valve engine, red wheels & flywheel & a brass chimney cowl.

Complete with a numbered Certificate
Price £210.00p



The new piston valve engine



The Big Black & Red Roller.

Other Limited Editions manufactured exclusively for Forest Classics by Mamod.
All models complete with a numbered certificate.

The Black Showmans' Engine. Limited Edition of 100. Price £275.00p
Short-Boiler Traction Engine. Limited Edition of 200. Price £155.00p
Green OR Black with red wheels

Special Editions available only from Forest Classics.



The Mamod Limousine in British Racing Green.

Manufactured exclusively for Forest Classics by Mamod.
All models complete with an exclusive certificate of authenticity.

Long-boiler Green Steam Roller Price £155.00p
Black Steam Wagon with Red Wheels & Flywheel Price £220.00p
Green Steam Wagon, with Red Wheels & Flywheel. Price £220.00p

The NEW "O" Gauge & Gauge 1 Mamod Train

Improvements to original specification:

1. Silver soldered boiler construction with re-heat tubes.
2. Larger improved boiler.
3. Safety valve release pressure 40psi.
4. Butane/Propane gas fired (external).
5. Cab sighted steam regulator.
6. Oscillating double action cylinders with glands.
7. Improved forward and reverse lever.
8. Improved wheels and axles.
9. Easy wheel removal for conversion to "1" gauge.
Wheel sets available.
10. Cylinder and engine face blocks available for conversion to "1" gauge.

Specification:

Length: 230mm
Width: 90mm
Height: 125mm
Weight: 1000gm

"O" Gauge
Price: £219.50p
Gauge 1
Price: £239.00p



"William" 1355W Locomotive

"William" 1355W Locomotive. Gas fired, in "O" Gauge and Gauge 1, (45mm).

Our "O" Gauge
Price: £363.00p



The Mamod Locomotive "William" Boxed Set
Comprising of "William" in "O" Gauge.
A set of rolling stock.
An oval of track.
Retail Price: £760.10p
Our price: £705.00p

NEW! Rolling stock for your locomotive



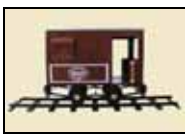
1352 Tender for use with Mamod Trains and other makes.

Price: £49.99p



1352 GW Goods Wagon is a representation of a 1930's flat bed as used across the United Kingdom.

Price: £62.99p



1352 GV Guards Van is similar in design to a 1940's Brake Guards Van.

Price: £71.99p



1352 LC Log Carrier illustrating the design of a 1940's Timber Carrier.

Price: £65.99p



1352 PC Passenger Carriage Reminiscent of a 1930 British Rail Carriage.

Price: £71.99p

These light weight models can be easily converted from "O" Gauge to "1" Gauge.



<i>Mamod Stationary Engines</i>			Recommended Price	Our Price
1332	SP2	Steam Engine	£ 108.00	£ 94.00
1332D	SP2D	(With Dynamo)	£ 151.50	£ 130.00
1334	SP4	Steam Engine	£ 125.50	£ 108.00
1335	SP5	Steam Engine	£ 159.50	£ 135.00
1335D	SP5D	Twin Cylinder	£ 218.50	£ 179.00
	(With Dynamo)			
	SP6	Piston Valve Stationary Engine	£ 231.00	£ 202.00

Mamod Mobiles

1380	Show	Showmans Engine	£ 310.00	£ 272.00
1380SS	SHOWSP	Showmans Engine with D/A Piston.		£ 358.00
1312	SR1A	Steam Roller	£ 154.00	£ 133.00
1312AC	SRIAC	Steam Roller "Challenger" with D/A Piston.		£ 208.00
1313	TE1A	Traction Engine	£ 161.00	£ 140.00
1313B	TE1AB	Traction Engine Brass	£ 161.00	£ 140.00
1313C	TE1AC	Traction Engine "Centurion" with D/A Piston.		£ 208.00
1318	SW1	Blue Steam Wagon (With Barrels)	£ 252.00	£ 217.00
1450	SW1B	Brown Steam Wagon (With Barrels)	£ 252.00	£ 217.00
1319	SA1	Cream Steam Roadster	£ 230.00	£ 199.99
1319B	SA1B	Burgundy Steam Roadster	£ 230.00	£ 199.99
1319BT	SA1BT	Brooklands Tourer	£ 230.00	£ 199.99
1403	SA1L	Silver Limousine	£ 274.00	£ 241.00
1403B	SA1LB	Burgundy Limousine	£ 274.00	£ 241.00
1404	FE1	Fire Engine	£ 303.00	£ 265.00
1408	DV1	Green/Blue Delivery Van	£ 374.85	£ P.O.A.
1409	PO1	Post Office Van	£ 374.85	£ P.O.A.
1411	LM1	Le Mans Racer (Blue)	£ 313.50	£ P.O.A.
1411R	LM1R	Le Mans Racer (Red)	£ 313.50	£ P.O.A.
		(Not available in R.C.)		
1410	LB1	Red/Green London Bus	£ 578.80	£ P.O.A.

Exclusive to Forest Classics, Special & Limited Editions, manufactured by Mamod.

Limited Ed	LTEGOL	"Goliath" Piston valve Traction Engine.		£ 210.00
Limited Ed	LEBR	Big Roller, black with red wheels.		£ 155.00
Limited Ed	SEBTE	Short-boilered Traction engine in green.		£ 140.00
Limited Ed	LEBSE	Showmans' Engine, black & red..		£ 250.00
Special Ed	SESWRW	Steam Wagon, Black with red wheels.		£ 220.00

Mamod Kits

1400A	TWK1	Tractor Wagon Kit	£ 217.00	£ 188.00
1400B	TWK1BLK	Tractor Wagon Kit with black wheels	£ 217.00	£ 188.00
1402	SR1AK	Stm Roller with canopy	£ 186.50	£ 160.00
1405	FE1K	Fire Engine Kit	£ 282.00	£ 245.00
1406	SA1K	Steam Roadster Kit	£ 218.50	£ 197.00
1407	SA1LK	Limousine Kit	£ 249.00	£ 217.00

Accessories

1336	WS1	Workshop	£102.75	£ 97.00
1350	SF	Solid Fuel, packet of 20.	£ 4.90	£ 3.84

Accessories continued

			Retail Price	Our Price
1136A	WS1PP	Power Press	£50.00	£ 45.00
1136A	WS1PM	Polishing Mop	£50.00	£ 45.00
1136A	WS1G	Grinder	£50.00	£ 45.00
1136A	WS1H	Hammer	£50.00	£ 45.00
1360	TR1A	Trailer (traction engine) with 3 logs & 2 Chains.	£ 80.00	£ 76.50
1360H		Chains		£ 4.60
1370	SR1A	Steam Roller Trailer	£ 89.50	£ 82.50
1370B	B	Barrels (each)		£ 2.50
1370BS	BS	Barrels (set of 6)		£ 12.99
1390	WC	Mamod Water Cart	£ 63.00	£ 57.00
BC		Brass Chimney Cowl		£ 4.18

Locomotive Accessories

M218		Sight Glass for old locomotive.		£ 5.22
1353	TK1	Straight track, O Gauge. Pack of eight.		£ 42.13
		As above, but each.		£ 5.22
1354	TK2	Curved track, O Gauge, Pack of eight.		£ 42.13
		As above, but each.		£ 5.22
1356L	PO1	Points, O Gauge. Left Hand.		£ 26.39
1357R	PO2	Points, O Gauge. Right Hand		£ 26.39
BIX013		Gas Unit for Mamod & MSS Locomotives		£ 53.83

Dream Steam - For new MSS & Old Mamod Live Steam Model Railway Locomotives

DSDLDL	Dead-leg Displacement Lubricator	£24.99p	DSHPSV26	High Pressure Safety Valve ¼ x 26tpi	£9.99p
DSTWMB	3 Wick Meths Burner	£27.99p	DSHPSV40	High Pressure Safety Valve 14 x 40tpi	£9.99p
DSWTUV	Water Top Up Valve ¼"x 26tpi	£7.99p	DSSRK	Steam Regulator Kit	£25.99p
DSPUK	Steam Upgrade Kit	£12.99p	DSCC	Cylinder Covers	£3.99p

Pressure Gauges

PS1		Pressure Gauge to 30 psi, with Mamod stem		£ 35.00
PS2		Pressure Gauge to 30 psi, without Mamod stem		£ 32.50

Basic easy to build kits

SE		Basic Steam Engine Kit		£ 33.45
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Mamod Spare Parts List

Pistons

X301/X401		Standard Piston / Cylinder Assembly		£ 14.00
X302/X402		SP4 Piston / Cylinder Assembly		£ 15.12

Firebox & Engine Plate

EMB1		Engine Face mounting bracket. TE, SR & SW		£ 14.85
FB1		Firebox & Engine Cowl. TE, SR & SW.		£ 23.20
FB2		Black Firebox		£ 11.75
EC1		Chrome Cowling.		£ 11.75
EC1SS NEW!		Stainless Steel Cowling.		£ 14.28

Safety Valves, Whistle & Plugs

X005		Standard Safety Valve		£ 7.98
SV		Early Safety Valve		£ 8.78
X404		Up-rated Safety Valve for old loco		£ 15.40
X034		Standard Whistle Assembly		£ 9.89
B1		Boiler Inserts for safety valve & whistle		£ 3.29
FP		Filler Plug with insert		£ 6.10
MAA		Mamod Air Adapter		£ 4.50

Mamod Spare Parts List (continued)

Flywheels

W06	TR1A / SR1A Flywheel 54mm	£ 9.62
W011	SP4 Flywheel	£ 10.12

Crankshafts

X22	SP2 Crankshaft	£ 6.09
X29	SP4 Crankshaft	£ 6.09
X67	SR1, TE1A, SW1, Crankshaft	£ 6.09

Driving Bands

E42	WS1 Driving Bands (4)	£ 4.56
E51	Un-joined 12" Driving Bands (2)	£ 3.40
E51(5)	As above in a pack of five (5)	£ 7.80
E37	SR1, TE1A, Driving Bands (2)	£ 3.40
E41 / E42	SW1 Driving Bands (2)	£ 3.40
E61 / E62	SA1 Driving Bands (2)	£ 3.40

Wheels, Rollers,

Axles & Suspension.

W17	SR1 Front Rollers (per set)	£ 26.17
W15	SR1 Rear Rollers (per set)	£ 26.17
W11	TE1A, SW1 Front Wheels (per set)	£ 20.90
W11S	TE1A, SW1 Single Front Wheel	£ 10.45
W19	TE1A Rear Wheels (per set)	£ 29.66
W24	SW1 Rear Wheels (per set)	£ 29.66
W48	SA1 Wheel complete with tyre	£ 13.19
N28	Small Hub Caps (Chrome) (2)	£ 2.05
N27	Large Hub Caps (Chrome) (2)	£ 2.05
X72	SR1 Front Fork Assembly	£ 14.29
X79	TE1A & SW Front Axle Assembly.	£ 17.59
FXS	Front Axle Spring TE1A / SW	£ 2.74
FST01	Road Tyres to fit Mamod Traction Engines	£ 7.00
FST02T	Road Tyres to fit Mamod Steam Wagons (Treaded)	£ 7.00
FST02UT	Road Tyres to fit Mamod Steam Wagons (Untreaded)	£ 7.00
FST03	Road Tyres to fit Wileco Traction Engines	£ 7.00
FST04	Road Tyres to fit Mamod / Wileco Showmans' Engine	£ 7.00
FST05	Road Tyres to fit Mamod Trailer	£ 5.50
FST06	Road Tyres to fit D. R. Mercer Engines	£ 7.00

Canopies & Canopy Spares

X75	TE1A Canopy Assembly	£ 23.54
XR76R	Canopy (Steam Roller)	£ 23.54

Lubrication

SO30	Compound Steam Oil 30ml	£ 1.00
SO125	Compound Steam Oil 125ml	£ 1.99
SO250	Compound Steam Oil 250ml	£ 2.99

Steering Rods

X74	TE1A & SR1 Steering Rod	£ 8.79
X116	SA1 Steering Rod	£ 10.75

Smokestacks

CH1	Smokestack for TE1A / SW1 / SR1.	£ 12.21
CS	SE3 Chimney (Brass)	£ 10.45
BC	Brass chimney cowl	£ 4.62
SB+S	Smoke box & chimney stack for TE1a/ SW/ SR1 etc.	£ 27.49

Miscellaneous

W07	SP4 ½" Pulley	£ 5.50
W08	SP4 ¾" Pulley	£ 6.05
A01	Filler Funnel	£ 2.64
G37	Copper Pipe (per foot)	£ 2.00
M16	SR1, TE1A, SW1 Scuttle	£ 12.09
X68	SR1, TE1A, SW1 Reverse Lever	£ 5.23
X800	Standard Sight Glass Assembly	£ 7.86
WSH	Bag of washers	£ 6.49
SA1S	Car Seat Assembly	£ 13.05
SA1CB	SA1 Chrome Bonnet	£ 11.82
LB	Buffers for locomotive. Set of 2.	£ 5.87
CH1	Car Headlights	£ 8.07
X68	SR1, TE1a, SW1 Reverse Lever	£ 5.23

Dynamos & Street Lamps

D2	Dynamo, 1 to 12 volts, 6 watts.	£ 19.99
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Road Tyres

FST01	Tyres for fit Mamod Traction Engine	£ 7.00	FST05	Tyres for Mamod Trailer (4)	£ 5.50
FST02	Tyres for Mamod Steam Wagons	£ 7.00	FST06	Tyres for D R Mercer Engines	£ 7.50
FST03	Tyres for Wileco Traction Engines	£ 7.00	FST07	Tyres for Mamod Watercart (2)	£ 4.00
FST04	Tyres for Wileco Showmans Engines	£ 7.00	FST08	Tyres for Wileco Water Carts (2)	£ 4.00

Mamod Burners

X141	Solid Fuel Burner Tray for Mamod SA1, FE1, TE1a, SR1a & SW.	£ 7.59
X141S	Solid Fuel Tray + Shield for Mamod SP5.	£13.60
SP5	Mamod Meths Burner	£ 13.60
G43	Mamod One Wick Burner	£14.49
G44	Mamod Two Wick Burner	£ 18.50
G44A	Mamod Three Wick Burner	£ 22.99
Bix 025	Repro Brass Meths Burner for Mamod SA1, FE1, TE1a, SR1a , SW & some staionary engines.	£ 10.99
Bix 050	A Unique Adjustable Meths Burner	£ 13.99
G19 (Was G40)	Meths Burner. 90 x 25 x 22mm	£ 12.50
G20 (Was G47)	Meths Burner. 105 x 25 x 22mm. Use in SE3.	£ 12.60
G23 (Was G50)	Minor Type Burner. 60 x 12 x 12mm	£ 10.49
BOW01	Bowman Type Burner	£ 18.00
G12 (Was G7)	Spirit Burner. 50 x 15 x 15mm. Will fit Wileco	£ 10.49
G11 (Was G8)	Spirit Burner. 60 x 15 x 15mm. Will fit Wileco	£ 10.49
G7 (Was G9)	Spirit Burner. 75 x 15 x 15mm. Will fit Wileco	£ 14.00
G13 (Was G10)	Spirit Burner. 95 x 15 x 15mm. Will fit Wileco	£ 14.00
LB1	Meths Burner for Mamod Locos	£ 9.50
LB2	Three Wick Meths Burner for Mamod Locos	£ 27.99

See our website for our new range of Ceramic Gas Burners & Gas Tanks.

www.forest-classics.co.uk

Standard Ceramic Burners

All gas burners may be run from our rechargeable gas tanks.

Firetube Burner

Bix 004 *	Suitable for 28mm & 35mm firetubes	£32.49
	Firetube burners are suitable for many centre flue boilers.	

Round Burners

Bix 001 *	2" diameter x 1" deep Round Burner.	£ 40.00
Bix 002 *	2 ¾" diameter x 1" deep Round Burner	£ 43.99

Rectangular Burners

Bix 005 *	2¾"x 1"x 1" Rectangular Burner	£ 32.25
Bix 006 *	2¾"x 2"x 1" Rectangular Burner	£ 40.99
Bix 007 *	5½"x 1"x 1" Rectangular Burner	£ 40.99
Bix 008 *	5½"x 2"x 1" Rectangular Burner	£ 46.25
Bix 009 *	50 x 16mm Burner for Wilesco D18 & Mobiles	£ 26.99
Bix 010 **	Mamod Tractor Gas Unit	£ 60.99
Bix 011 **	Wilesco Tractor Gas Unit	£ 60.99
Bix 013 **	Mamod & MSS loco Gas Unit	£ 60.99
Bix 014 *	120 x 18mm Burner for Wilesco D20, D21, D22, & D24.	£ 38.50
Bix 027**	Gas unit for all Mercer Engines. If ordered with engine £ 55.00. If ordered separately >>>>	£ 65.00
BIX026**	Gas Burner, Tank & Pipe Kit for small steam plants	£ 60.99
BIX029	Automatic Boiler Pressure Regulator	£ 49.99
BIX030	Kit comprising of Burner BIX014, Can valve BIX018, 450 pipe & Jet.	£ 69.99

* denotes standard pipework not included.

** denotes complete with control valve, pipework and gas tank.

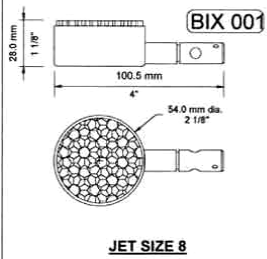
Gas Accessories

Bix Mini *	Refillable Mini Gas Tank	£ 34.00
Bix 015 *	Refillable Gas Tank - Standard	£ 55.00
Bix 016 *	Refillable Gas Tank - Small	£ 49.50
Bix 017 *	Refillable Gas Tank - Large	£ 69.30
Bix 018	Gas Valve for Disposable Tank	£ 19.99
Bix 019	Gas Refill Adapter	£ 13.99
GJ	Gas Jets, sizes 5, 8, & 16	£ 2.99
GJRV	Gas Jet Refill Valve	£ 5.49
Pipe100	100mm Gas tank connecting pipe.	£ 8.50
Pipe135	135mm Gas tank connecting pipe.	£ 8.75
Pipe275	275mm Gas tank connecting pipe	£ 8.99
Pipe450	450mm Gas tank connecting pipe	£ 9.49

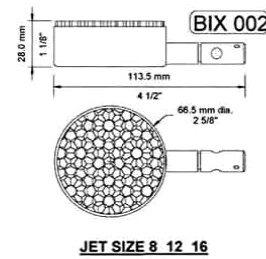
* denotes standard pipework not included. To be ordered separately.

Alternative pipework can be supplied, please state length required.
Please ask for an information pack on our gas tanks & burners.

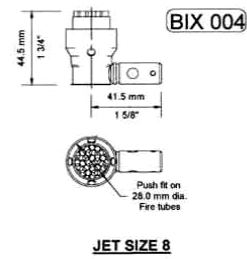
BIX GAS BURNERS Dimensions & technical details sheet 1



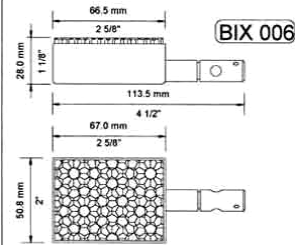
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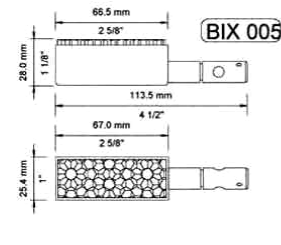
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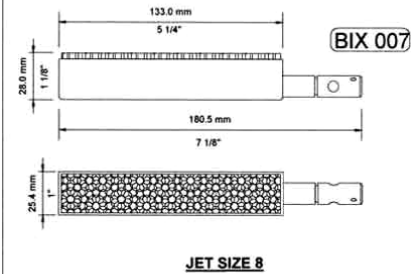
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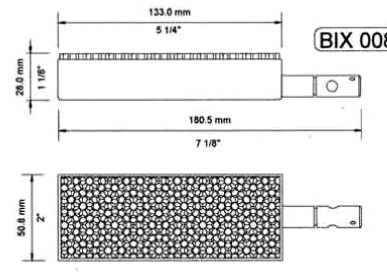
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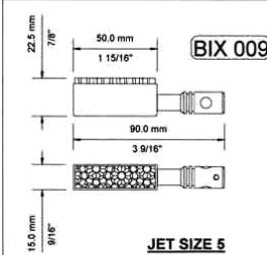
BIX GAS BURNERS Dimensions & technical details sheet 2



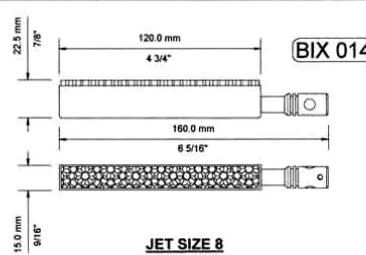
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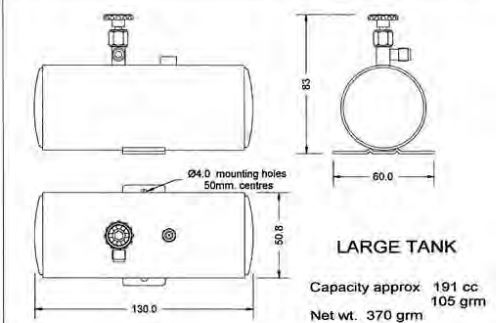
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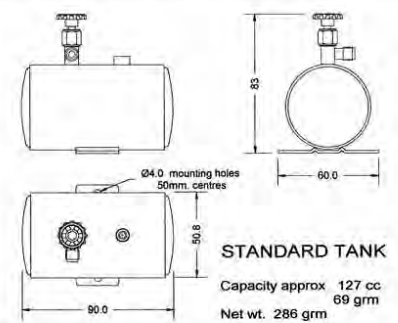
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BIX GAS TANKS Dimensions & technical details



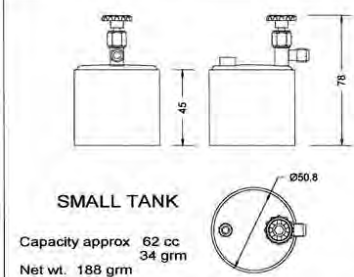
LARGE TANK

Capacity approx. 191 cc
Net wt. 370 gm



STANDARD TANK

Capacity approx. 127 cc
Net wt. 286 gm



SMALL TANK

Capacity approx. 62 cc
Net wt. 188 gm



MINI TANK

Capacity approx. 21 cc
Net wt. 68 gm

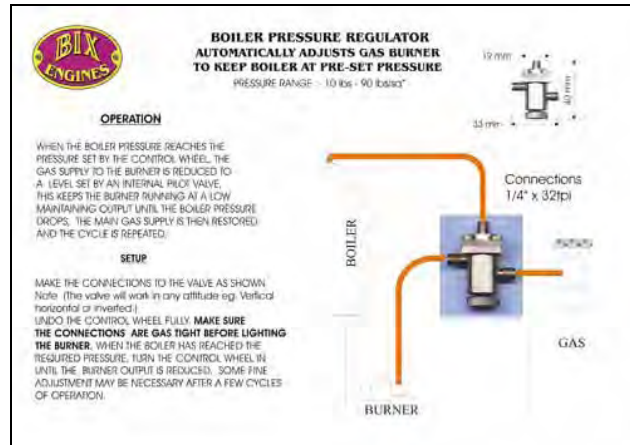
CONSTRUCTION: Brass shell (copper on Mini tank) Flanged brass end caps Silver soldered
OUTLET: M8 x 1 Male compression fitting for 4mm or 1/8" pipe
TEST PRESSURE: 375 lbs/sq. in. permitting the use of a Butane/propane mix with a maximum 30% propane
GAS CONSUMPTION: Jet No. 5 ... 55 gm/hr. with valve fully open
Jet No. 8 ... 69 gm/hr.
Jet No. 15 ... 95 gm/hr.
These figures are for guidance only; consumption can vary considerably under different conditions

COPYRIGHT		BIXHEAD ENGINEERING	
DRAW	MATERIAL	FILE NO	ITEM NO
SCALE	DATE	DATE	DATE
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BDS		BDS	

Automatic Gas Pressure Regulator (Also known as an attenuator)

Part No: BIX029
Automatic Gas Pressure Regulator.
Price: £ 44.99p

The gas pressure adjustment valve automatically regulates the height of the flame relevant to the boiler pressure. Running the engine slowly, the boiler pressure does not rise and a constantly small burner flame is maintained. The gas pressure adjustment valve can be used for all gas heated steam engines.



Please note: A detailed diagram is available from our website
 Pipe-work not supplied with the valve.

Miniature Traction Engine Lamps

Suitable for 3" to 6" models, depending on scale.



Traction Engine Lamp, Front.
Brass finish.
 (Price is each, not per pair.)
Price: £100.00p

Traction Engine Lamp, Front.
Black finish.
 (Price is each, not per pair.)
Price: £100.00p



Traction Engine Lamp, Rear.
Brass finish.
 (Price is each, not per pair.)
Price: £100.00p

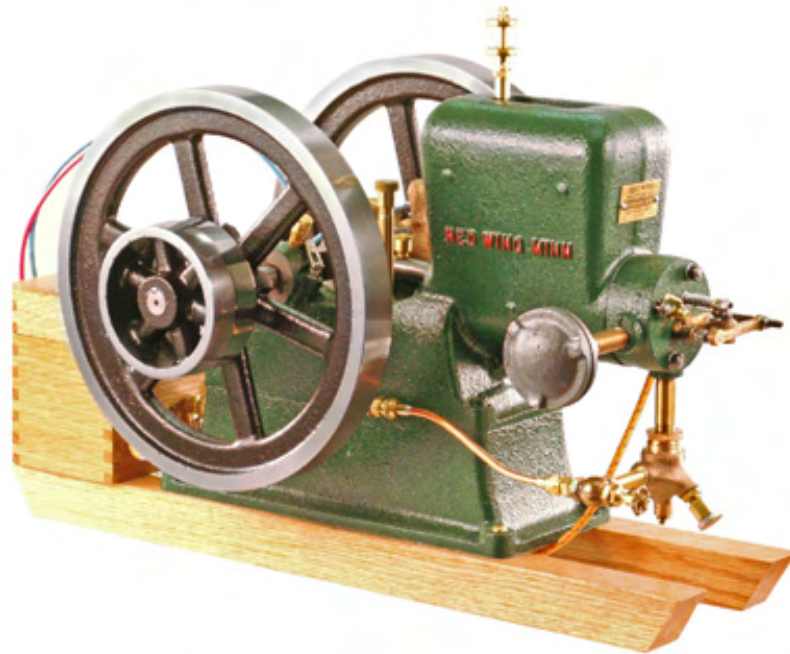
Traction Engine Lamp, Rear.
Black finish.
 (Price is each, not per pair.)
Price: £100.00p

Visit our website: www.forest-classics.co.uk

All major credit cards accepted.



¼ Scale - Water Cooled Engine - Finished Model



Bore 1¼" - Stroke 2" Petrol/Gasoline Engine

Overall dimensions: Height - 11" Width - 9¾" Length - 17½" Flywheel - 8" dia.

Finished - Ready to run. / Continued on next page.

The original 5 HP Red Wing Engine was the inspiration for this fully functional quarter scale model. It runs on regular gasoline and uses a buzz coil as an ignition source. The casting kit form of this superb bronze and iron engine is supplied with eleven bronze castings and eleven iron castings and several small parts such as springs, gears, piston rings and other small parts needed to build your engine along with a complete set of working drawings.

¼ Water Cooled Engine – Finished Model

Part No: R-WC-F

Price: £2300.00p

¼ Scale - Water Cooled Engine - Casting Kit

The specification is identical to the finished engine and is supplied with eleven bronze castings and eleven iron castings and several small parts such as springs, gears, piston rings and other small parts needed to build your engine along with a complete set of working drawings.

¼ Water Cooled – Casting Kit

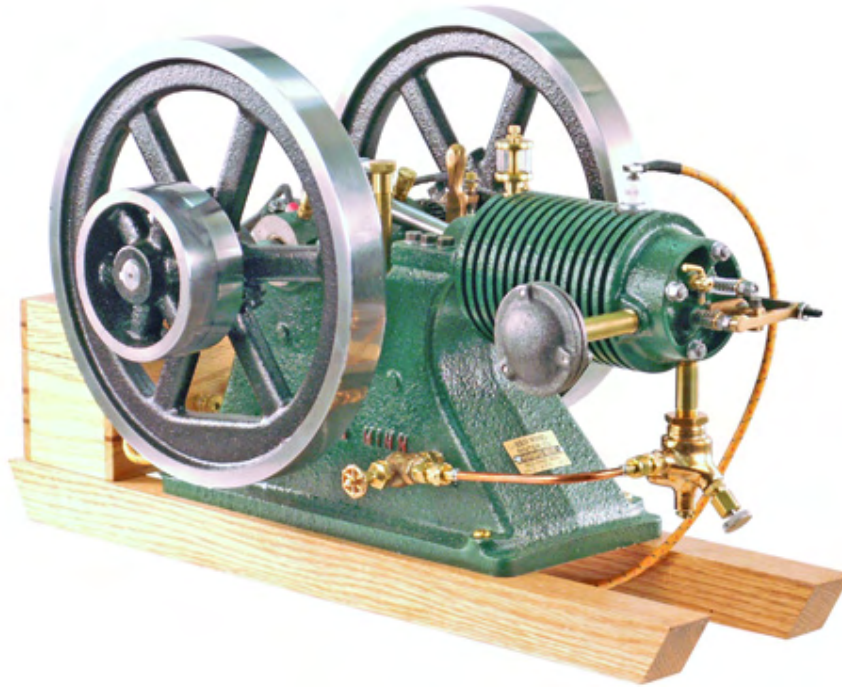
Part No: R-WC-C

Price: £495.00p

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1/3rd Scale - Air Cooled Engine - Finished Model



Bore 1¼" - Stroke 2" Petrol/Gasoline Engine / Continued on next page.

Continued from previous page.

Overall dimensions: Height - 11" Width - 9¾" Length - 17½" Flywheel - 8 dia.

The 2½ HP air cooled Red Wing Engine was the inspiration for this fully functional one third scale model. It runs on unleaded petrol and uses a buzz coil as an ignition source.

The casting kit version of this magnificent bronze and iron engine is supplied with eleven bronze castings and eleven iron castings and several small parts such as springs, gears, piston rings and other small parts needed to build your engine along with a complete set of working drawings.

1/3rd Scale - Air Cooled Engine - Finished Model

Part No: R-AC-F

Price: £2300.00p

1/3rd Scale - Air Cooled Engine - Casting Kit

The specification is identical to the finished engine and is supplied with eleven bronze castings and eleven iron castings and several small parts such as springs, gears, piston rings and other small parts needed to build your engine along with a complete set of working drawings.

1/3rd Scale - Air Cooled Engine

Casting Kit

Part No: R-AC-C

Price: £495.00p

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Materials Kit

A barstock package is available for those not lucky enough to have common materials laying around the shop. Materials like flat stock, round stock, hex stock, and all of the other metal and brass parts that are needed to build your engine.

Part No: R-BAR
Price: £69.00p

For either Red Wing Engines.



Lunkenheimer

1/8th Scale Mixer Casting Kit

This mixer is used on both of our model gas engines, the 1/4 scale of the 5 hp Red Wing Engine and the 1/3 scale of the 2 1/2 hp Red Wing Engine. Kit includes the mixer and nut castings as well as the main valve spring, needle valve o-ring and a complete set of plans!

Part No: MIX-1C
Price: £39.00p



Lunkenheimer

1/8th Scale Mixer – Finished Mixer

This mixer is used on both, the 1/4 scale 5 hp and the 1/3 scale 2 1/2 hp Red Wing Model Engines. The completed mixer comes fully machined and assembled ready to run!

Part No: MIX-1M
Price: £115.00p



Oak Buzz Coil

This high quality Buzz Coil provides a powerful spark. It will operate from a wide range of DC voltages. A small 9 Volt rechargeable battery pack is commonly used as a power source. It works just as well when a 12 volt car battery is used as the power source. The box measures 4 1/2" x 2 3/4" x 3 1/4" tall and is constructed from Oak.

Part No: BUZZ-1
Price: £130.00p



Relief Valve

Thread size: 5/32-40

Part No: DC-532
Price: £25.00p

Thread size: 3/16-40

Part No: DC-3
Price: £25.00p



Spark Plug

The NGK CM-6 is considered standard for the Red Wing as well as other model engines.

Part No: R-SP-CM6

Price: £7.50p



Spark Plug Tap

Metric 10X1 Tap for threading the spark plug hole on your engine.

Part No: T-M10X1

Price: £16.00p



Spark Plug Wire

This 14 GA cloth covered wire will improve the look of any model engine. The wire is orange (Oak) with red & black tracers. This spark plug wire will work for the Red Wing as well as other engine models.

Part No: WIRE-014

Price: £0.80p / ft

Sold by the foot.



Red Wire

This Red 16 GA cloth covered wire will improve the look of any model engine.

Part No: WIRE-R16

This primary wire will work for the Red Wing as well as other model engines.

Price: £0.65p/foot

Sold by the foot.



Black Wire

This Black 16 GA cloth covered wire will improve the look of any model engine.

Part No: WIRE-B18

This primary wire will work for the Red Wing as well as other model engines.

Price: £0.65p/foot

Sold by the foot.



Piston Rings

These piston rings are for a 1.25 inch piston. They are 1.250 OD and 3/32 thick. 2 each per package.

Part No: RING-1.25

Price: £10.00p



Fuel Line Fitting Kit

This kit includes 1 each 5/16" Globe Angle Valve; 1 each 5/16" Street Ell; 1 each 5/16" x 1 1/2" Nipple, 2 each 5/16" to 1/8" Tube Connectors and 1 each 1/8"OD X 5" soft Copper tube.

Part No: R-FK-FL

Price: £35.00p

Suitable for either Red Wing Engine.



Lubrication Kit for Air Cooled Red Wing Engine.

This kit includes 1 each Drip Feed Oiler and 3 each 10-32 Grease Cups.

Part No: R-AC-LUB

Price: £ 30.00p



Lubrication Kit for Air or Water Cooled Red Wing Engines.

This kit includes 1 each Drip Feed Oiler; 3 each 10-32 Grease Cups; 1 each 1/4"- 40 x 3" Nipple and 1 each 1/4"- 40 Coupling.

Part No: R-WC-LUB

Price: £35.00p

Can be used with our Air Cooled or Water Cooled Gas Engines.



Screw Packs (Air Cooled Engine)

This pack includes all of the Special Model Size Hex Head Bolts, Nuts and Studs required to complete your Red Wing Engine.

Part No: R-AC-SCR

Price: £27.00p

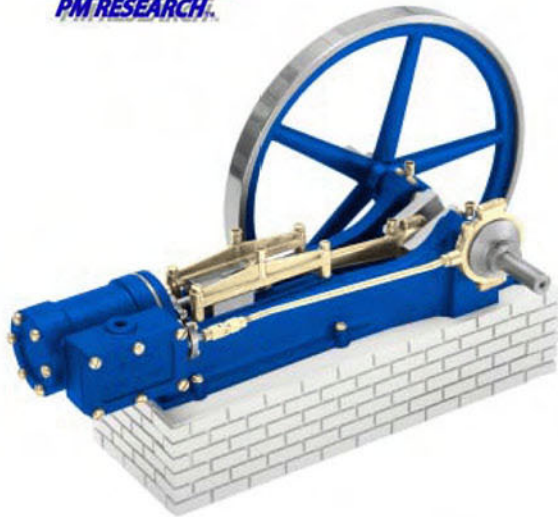


Screw Packs (Water Cooled Engine)

This pack includes all of the Special Model Size Hex Head Bolts, Nuts and Studs required to complete your Red Wing Engine.

Part No: R-WC-SCR

Price: £27.00p



Brick base not included.

STEAM ENGINE No 1

WORKING REPLICA 1880's STEAM DRILLING ENGINE

Bore 1"

Stroke 1-1/2"

Double Acting

For many years a mainstay of the Pennsylvania and New York oil fields, these engines can still be found in use today, although most have been converted to half breed gas engines.

This 1/4 scale replica has a 12" overall length and a 6 1/2" diameter fly-wheel. The bore is 1" & stroke 1 1/2". The kit comes complete with 18 sand castings, all the brass bar stock, gasket material, screws, etc. required and complete working drawings.

This kit is a machinist's delight no matter whether you are a professional or an amateur. The satisfaction of seeing this engine run with all its moving parts operating is reward enough, but watching the fascination of others who see it work is truly gratifying.

The kit includes a set of 18 easy machining bronze and iron castings, all necessary hardware, gasket material, brass bar stock and complete set of working drawings.

PROUDLY MADE



IN THE U.S.A.

NOTE: Machining And Assembly Required

STOCK NO.	DESCRIPTION	PRICE EACH
1BI	Steam Engine No 1 Kit Un-machined	£119.00p



STEAM ENGINE No 2AM

WORKING MODEL OSCILLATING STEAM ENGINE

Bore 1/2"

Stroke 3/4"

Double Acting

Often adapted for small marine applications, this engine has a simple but unique porting system. The head oscillates as it runs, swinging the port holes from inlet to exhaust

A great novice engine as well as fun for the experienced enthusiast. This kit comes as a casting kit for the machinist. All hardware, gasket material, brass bar stock and 6 sand castings plus complete working drawings are included.

2A Kit complete with 6 easy machining aluminium castings, all required hardware, gasket material, brass bar stock and working drawings..

Kit completely machined for easy assembly.

NOTE: Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
2AM	Steam Engine No 2 - Machined	£ 73.00p

PROUDLY MADE



IN THE U.S.A.

STEAM ENGINE No 2A

WORKING MODEL OSCILLATING STEAM ENGINE

Bore 1/2"
Double Acting

Stroke 3/4"

Technical details as per the Steam Engine No 2AM

This version is supplied fully machined for easy assembly and will suit the novice as well as the experienced enthusiast.



PROUDLY MADE



IN THE U.S.A.

NOTE: Machining And Assembly Required

STOCK NO.	DESCRIPTION	PRICE EACH
2A	Steam Engine No2 Kit - Unmachined	£40.00p

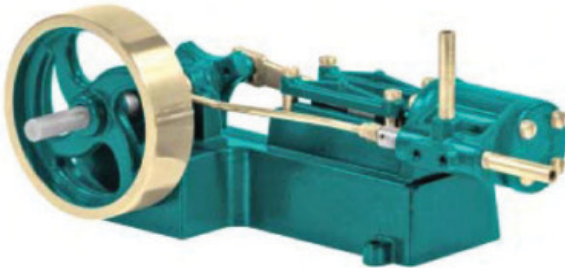
STEAM ENGINE No 3

WORKING REPLICA STATIONARY STEAM MILL ENGINE

Bore 1/2"

Stroke 3/4"

Double Acting



This engine is similar to those used to provide line shaft power to factories and mills in the 1800s. The line shafts conveyed the power to machinery via pulleys and flat leather belts.

With a 2 1/4" flywheel and an overall length of 6", this kit will make a great project for the enthusiast. Fully machined for easy assembly with all hardware, and complete working drawings included.

NOTE: Assembly Required.

3BIM Kit same as 3BI except completely machined for easy assembly.

STOCK NO.	DESCRIPTION	PRICE EACH
3BIM	Steam Engine No 3 Machined	£115.00p

3BI kit same as Model 3A except cast iron and bronze castings.

STOCK NO.	DESCRIPTION	PRICE EACH
3BI	Steam Engine No 3 Kit Unmachined	£79.00p

PROUDLY MADE



IN THE U.S.A.



STEAM ENGINE No 4

WORKING VERTICAL STEAM ENGINE

This is not a scaled-down model,
but a full-size working steam engine.

Bore 1½"

Stroke 2½"

Double Acting

This is a replica of a rare old steam engine used for various small portable power applications a century ago. This engine was sold as a casting kit in 1895 by the Chas. A Strelinger Co. of Detroit, MI. The castings were made by their foundry, the Leland & Faulconer Mfg. Co., 480-500 Trombly Ave., Detroit, MI. It was rated then as 1/4 H.P.

Think of it! A full-size working engine that you have built. A machinist's delight! The total height is 19 inches and the flywheel diameter is 6-7/8" inches.

NOTE: Machining And Assembly Required.

Kit complete with cast iron and cast bronze castings, all required hardware, gasket material, bar stock and complete working drawings.

STOCK NO.	DESCRIPTION	PRICE EACH
4CI	Steam Engine No 4 Un-machined kit	£329.00p

STEAM ENGINE No 6

HORIZONTAL STATIONARY WORKING STEAM ENGINE

Drip Feed Oilers not included

Bore 1½"

Stroke 2½"

Double Acting

This is the horizontal sister to our No4 Engine. Both engines were sold as casting kits by the Charles A. Strelinger Co. of Detroit, MI. Both were rated at 1/4 H.P.

Wow! Our second full size engine! You could build either one or both! The total height is 7-1/2 inches, the total length is 18 inches, the total width is 8 inches and the flywheel diameter is 6-7/8 inches.

Kit complete with cast iron and bronze castings, all required hardware, gasket material, bar stock and complete working drawings.

NOTE: Machining And Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
6CI	Steam Engine No 6 Un-machined kit	£319.00p



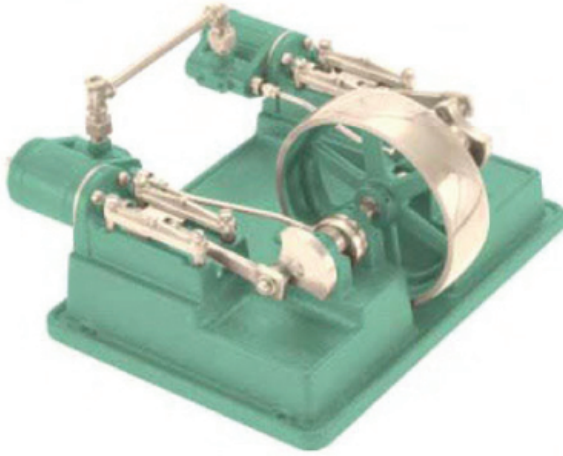
STEAM ENGINE No 7

WORKING REPLICIA STATIONARY STEAM MILL ENGINE

Bore 1/2"

Stroke 3/4"

Twin Engine



With a 3 inch flywheel, an overall length of 6¼ inches, an overall width of 6¼ inches, and 3½ inches high, this kit will make a great project for the enthusiast. Complete working drawings are included.

The twin cylinders of this engine enable the unique ability to always start by just turning on the steam. There is no need to crank the flywheel.

7BI Kit complete with 16 easy machining bronze and iron castings, all required hardware, gasket material, brass and steel bar stock and working drawings.

NOTE: Machining And Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
7BI	Steam Engine No 7 Twin - Unmachined	£129.00p

PROUDLY MADE



IN THE U.S.A.



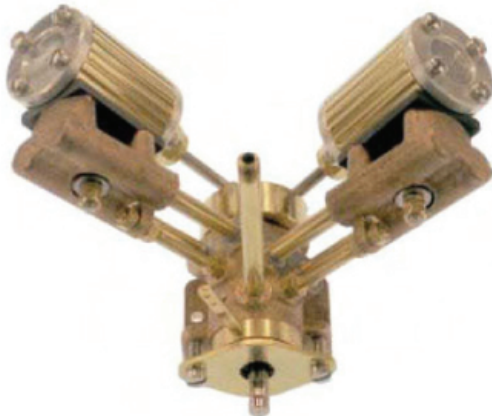
STEAM ENGINE No 8 V-Twin

TWIN CYLINDER OSCILLATING MARINE ENGINE

Bore 1/2"

Stroke 3/4" (X2) Twin Cylinder

Double Acting



This unique engine has forward, reverse and speed control capabilities, using a single lever which can be servo operated for radio control.

Just one servo does all of this! Stop! Go Forward! Go Aft! and control the speed in both directions!

This engine features a cast bronze base and frames, plus oilite bronze sleeve bearings on the crank shaft and piston rod. The crank pin bearings are machined from solid bronze which run on a ground pin. It also has a precision ground stainless steel piston rod with "O" ring seals. The light weight aluminium cylinders are hard anodized to give long wear.

Approximate dimensions are 2½" high, 4½" wide and 3½" long parallel to the shaft. The crankshaft is 3/16" diameter precision ground stainless steel. The steam inlet and outlet are both threaded 3/16-40.

This kit comes completely machined for easy assembly.

NOTE: Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
8M	Steam Engine No 8M V-Twin Machined Kit	£139.00

PROUDLY MADE



IN THE U.S.A.



BOILER No 1

3-1/8" Diameter
x 12-5/8"
Overall Height
Including
4" High Stack

WORKING REPLICA VERTICAL 13 FLUE BOILER KIT



This boiler will easily run the PM Research No 2, No 3 and No 5 steam engines for light-duty use and demonstration purposes. Popular around the turn of the century because of their simplicity and small floor space requirement, the vertical multi-flue boiler is still popular today for the same reasons. Today, however it also makes a handsome showpiece. The boiler is constructed of copper with four aluminium castings comprising of the base, door, door frame and smoke box cover. The tube sheets are flanged and punched. All hardware, bar stock, silver solder, working drawings, etc are included, along with a finished safety valve and water gauge.

The firebox is 3" diameter x 2 1/2" high. The door opening is 1 1/2" high x 2" wide. The water space is 3 1/2" high. There are thirteen 3/8" diameter flues, 61 square inches of heating surface, 20 cubic inches volume.

We recommend the use of distilled water when using this boiler.

The BLR-1 kit includes four easy machining aluminium castings, all copper tubing and tube sheets, all hardware and bar stock required and a complete set of working drawings.

Also includes:

- One each SOLDERFLUX Silver Solder and Flux kit.
- One each WG-1 Water Gauge.
- One each SV-1 Safety Valve

PROUDLY MADE



**NOTE: Machining And
Assembly Required.**

STOCK NO.	DESCRIPTION	PRICE EACH
BLR-1	Boiler - Part No BLR-1 Unmachined Kit	£125.00p

IN THE U.S.A.



BOILER No 2 WORKING REPLICA HORIZONTAL STATIONARY TUBULAR TYPE FACTORY STYLE BOILER

11" Long
4-1/2" Wide
8-1/2" To Top of Steam Dome
9" Smoke Stack
16-1/2" To Top of Smoke
Stack



This boiler is offered in 1/12th scale to go with the PM Research machine shop tools. The boiler is constructed of copper and the firebox is steel with fourteen aluminium castings consisting of the following: Front, back, door frame, six doors, four draught knobs and a stack transition. All hardware, bar stock, silver solder, working drawings, etc are included. A finished safety valve and water gauge are also included. Tube sheets are flanged and punched.

The door openings are 1 1/2" high x 2 5/8" wide. The water space is 3" diameter. x 8" long. The fire box is 3" wide, 7" long x 1 3/4" high. It also has a cleanout door that opens to access the flues. It has five 5/8" diameter. flues, 127 square inches of heating surface and 44 cubic inches in volume.

This mighty replica of the Puget Sound Machinery Depot's top line boiler is a classic beauty. We offer this fine boiler kit for those of you who will want to make your engines do some work. It is considerably larger in working capacity than our No 1 boiler and will handle all PM Research's model engines except for our full-size No 4 and No 6 engines. It is the perfect match to run your machine shop.

The BLR-2 kit includes fourteen easy machining aluminium castings, all copper tubing and tube sheets, all hardware and bar stock required, and a complete set of working drawings. The kit also includes one SODERFLUX Silver Solder and Flux kit, one WG-1 Water Gauge, and one SV-1 Safety Valve.

PROUDLY MADE



**NOTE: Machining And
Assembly Required.**

STOCK NO.	DESCRIPTION	PRICE EACH
BLR-2	Boiler No 2 Unmachined Kit	£185.00p

IN THE U.S.A.



WATER TANK KIT



This tank is for use with our boiler feed pump and our BLR-1 or BLR-2. 3 1/8" OD x 4" high copper tank with copper tank end.

WTK-1 Kit includes one cast aluminium base, tank, tank end, and one 1/4"- 40 threaded bushing for outlet.

NOTE: Machining And Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
WTK-1	Water Tank Kit Unmachined	£29.00p

STOCK NO.	DESCRIPTION	PRICE EACH
WTK-1TE	Extra Tank End Unmachined	£4.75p

PROUDLY MADE

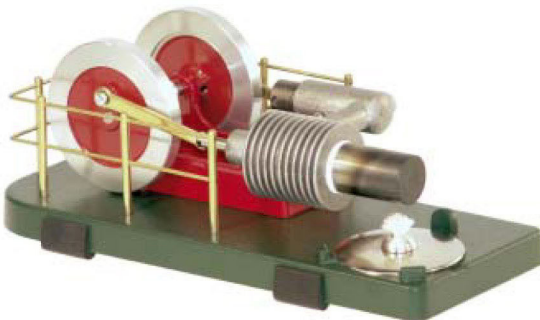


IN THE U.S.A.

PM Research Stirling Engines

SOLAR No 1

PM Research's "ORIGINAL" STIRLING CYCLE HOT AIR ENGINE



This miniature Stirling Engine measures 7 x 4 1/4" and is complete with a built-in alcohol burner. Red flywheels and chassis are mounted on a green base, and runs at speeds in excess of 1,000 RPM and is sure to attract attention and create admiration wherever it is displayed. This model comes completely assembled and ready to run, accompanied by PM Research's "Stirling Cycle Engines" book.

NOTE: Ready To Run.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-1	"Original" Stirling Cycle Engine with book	£115.00p

PM Research do not use Zinc (pot-metal) for any of their models

PROUDLY MADE



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SOLAR No 3

THE FLAME EATER *The Fantastic Vacuum Engine*



With a slight twist of the flywheel, the engine roars to life. The alcohol flame dances furiously and a lance of fire stabs through the rapidly working valve. The exhaust-like popping coupled with the clattering of the valve assembly causes a pleasant commotion that is music to the ears of those who enjoy the mechanical marvels of man. This is the exciting "Vacuum Engine" with a history that goes back to the early 1700s. It is the ultimate in craftsmanship, function and beauty of design.

This engine has a beautiful combination of fine wood grain and black base. It is highlighted by a polished brass cylinder and standard. The massive flywheel, crank and burner are nickel-plated.

The Flame Eater measures 6"x 8½" and comes with its own alcohol burner. Completely assembled and factory-tested and ready to fascinate you and your audiences with speeds up to 1,000 RPM. This engine is perfect for hobbyists, students, collectors, and experimenters. Completely assembled and ready to run.

PROUDLY MADE



IN THE U.S.A.

NOTE: Ready To Run.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-3	The Flame Eater	£285.00p



PROUDLY MADE



IN THE U.S.A.

SOLAR No 6

STIRLING CYCLE MOTOR DRIVEN FAN

These Fans are of the same high quality you have found in our other engines. This ruggedly constructed Fan is reminiscent of the days gone by when quality was important. The brass components, contrasting with the black components, create an illusion of antiquity.

Each fan involves much painstaking handcraftsmanship and hours and hours of time to assemble. Each fan is completely assembled and test run at the factory. It is shipped with an alcohol burner, No 5 burner assembly.

Specifications: 14" high, 6½" diameter fan blade, the motor is a coaxial Stirling Cycle, the cylinder is black anodized aluminium, the base and platform is sand cast aluminium. We recommend using methylated spirits as fuel. Completely assembled and ready to run.

NOTE: Ready To Run.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-6	Stirling Cycle Motor Driven Fan	£275.00p



SOLAR No 10 PEANUT RIDER



The first "RIDER" Engines were manufactured in 1880 by the De Lamater Iron Works. This engine was the inspiration for the PM Research "Peanut RIDER."

This all metal, black and brass engine with red flywheel is mounted on a solid hardwood platform. It is an excellent running engine and will make a handsome addition to your collection.

Each engine is test run at the factory and comes complete with an alcohol fuel cell, extra wick, allen wrenches and owner's manual.

Specifications: Base is 5¼" x 5¼", 4" width x 9" height, ¾" stroke, 3½" flywheel. Completely assembled and ready to run.

PROUDLY MADE



IN THE U.S.A.

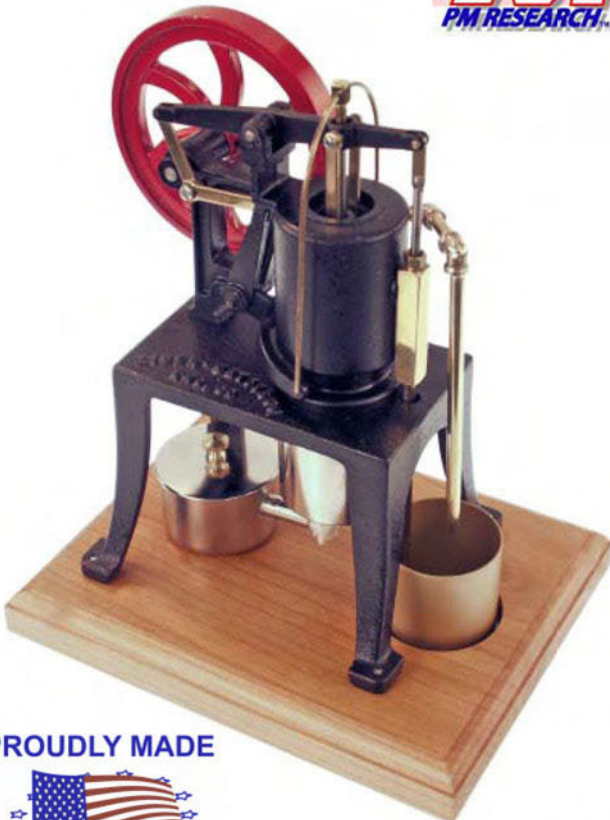
NOTE: Ready To Run.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-10	Peanut Rider	£149.00p



SOLAR No 12

1895 RIDER-ERICSSON HOT AIR PUMPING ENGINE



The Rider-Ericsson is the only hot air engine that was actually manufactured in production quantities. This marvellous engine is fascinating to see run, with all of its moving parts and a pump that really works! It is a must for all model hot air collections!

Our Hot Air Engine measures 4½" x 5" x 6". The curved spokes of the flywheel, the cast linkages, bedplate, water jacket, and crankshaft bracket all contribute to the air of authenticity.

The original Ericsson engines were all water-cooled. We are offering a water-cooled version complete with pump to circulate water through the engine. A free, 12-page leaflet containing interesting information on the original Ericsson engine is included with each model.

Each engine is tested at the factory and comes complete, ready to run, with an alcohol fuel burner, water tank, extra wick, allen keys and Owner's Manual

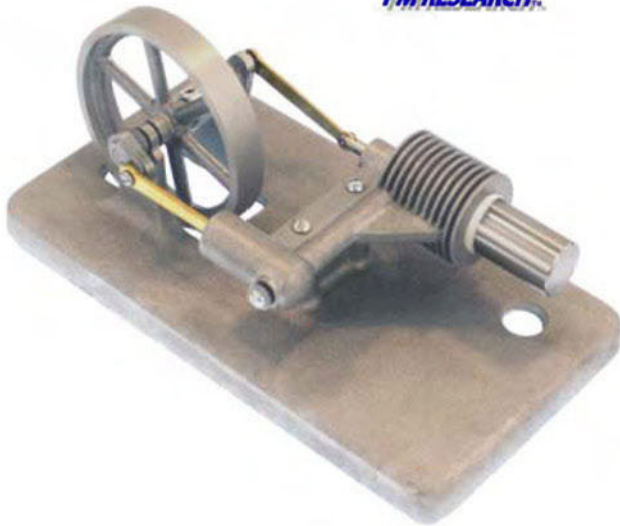
PROUDLY MADE



IN THE U.S.A.

NOTE: Ready To Run.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-12	Rider-Ericsson, includes leaflet	£285.00p



SOLAR No 13

THE THINKING MAN'S ENGINE KIT (Ideal for thinkers age 10 to 99)

An ideal project for the novice model builder. Easy-to-assemble and runs very well. All machining has been done for you. A dry fuel platform and a test quantity of "ESBIT" dry fuel is supplied. Denatured alcohol also works well as a fuel for Stirling Cycle Engines. For those persons who prefer using denatured alcohol, we have developed a handy burner, Stock No. 90, which is available for a small additional charge.

Specifications: 7½" length x 3½" height x 4" width, up to 1000 RPM, die cast aluminium cylinders, brass arms and a sand cast aluminium platform and flywheel.

PROUDLY MADE



IN THE U.S.A.

NOTE: Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-13	The Thinking Mans Engine Kit Machined	£89.00p

SOLAR No 15

THE GLASSWORKS KIT Observe The Pistons In Action

ATTENTION MODEL MACHINISTS: Now you can build a Stirling Engine from a kit. At the request of many model builders, we are pleased to offer our famous Glassworks Engine as a machinist kit.

You can easily show off your hard work by showing the pistons at work. Look inside the glass cylinders at the Stirling Cycle principle in action. This engine is extremely interesting to watch, and runs at speeds up to 1500 RPM. This is a hard combination to beat. A Pyrex heat cap, replaceable Pyrex power cylinder, gyro-quality ball bearings, bronze flywheel, aluminum cooling fins, and sand cast aluminum frame are only a few of the outstanding features incorporated into this engine. The completed Glassworks kit measures 7½" x 4" x 3½"

A sample quantity of "ESBIT" dry fuel is supplied with the engine. Denatured alcohol also works well as a fuel for this engine. For those persons who prefer using denatured alcohol, we have developed a handy burner, Stock No. 90, which is available for a small additional charge.

BUILD YOUR OWN STIRLING ENGINE TODAY!

Comes complete with 3 castings, bar stock, screws, hardware, assembly and detailed drawings.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-15	The Glassworks Kit Unmachined	£139.00p



PROUDLY MADE



IN THE U.S.A.

How Long Have Stirling Engines Been Around?

Stirling Engines were invented in 1816 by Rev. Robert Stirling

How do they work?

Our Solar line of Stirling Engines all contain air that is trapped inside the engine. When we apply heat to the heat cap, the air inside the engine expands pushing the power piston back. The mechanical linkage moves the displacer piston in the opposite direction thus forcing the hot air to travel past the displacer piston to the cooling side. As the power piston reaches the end of its stroke the hot air reaches the cooling fins and is rapidly cooled creating a vacuum. Atmospheric pressure pushes the power piston forward to its starting point. The mechanical linkage moves the displacer piston to its starting point moving the cooled air past the displacer piston into the heat cap to be reheated. This completes the stroke. The piston continues to go back and forth as the air is alternately heated and cooled.

Want to learn more about the Stirling Cycle Engines? Read all about them in:

Stirling Cycle Engines

By Andy Ross. This publication is the first of its kind and takes the reader on a 160-year tour through the world of Stirling cycle engines. The hot air principles of operation are explained in this easily read, lavishly illustrated book. 128p.

STOCK NO.	DESCRIPTION	PRICE EACH
AR395	Stirling Cycle Engines	£11.00p

SPIRIT BURNERS & ACCESSORIES



NO-90

NO-90 SPIRIT BURNER for SOLAR 3, 4, 13 & 15
If you would prefer to use Methylated Spirit to run your "Thinking Man's Engine," this Spirit burner will provide you that option. Please specify the model you are going to run with the spirit burner.

Price: £15.00p



NO-90-6

NO-90-6 SPIRIT BURNER for SOLAR 6

Price: £15.00p



NO-90-7

NO-90-7 SPIRIT BURNER for SOLAR 7, 10, 12

Price: £15.00p



**PM Research
Model Globe Valve
Part No: GV4**

Price: £23.00p



**PM Research
Model Steam Whistle
Part No: SW-4**

Price: £34.00p



**PM Research
Water Gauge
Part No: WG-1**

Price: £14.99p

BOILER FEED PUMP

3/8" Diameter Bore

3/4" Stroke



A small hand-operated, piston-type hydraulic pump used to replenish boiler water while boiler is in use and under pressure. Also used to hydrostatically test your boiler and other hydraulic applications. These pumps have been known to produce up to 400 psi.

Constructed of a cast bronze body, brass end cap and packing nut, with stainless steel piston and valves.

Overall dimensions are 3-3/4" length, 4" height, 1-3/4" width, threaded 5/16-27 (1/16 NPT).

BFP-1C Kit consisting of one bronze casting, all bar stock, hardware, complete working drawings, etc.

NOTE: Machining And Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
BFP-1C	Boiler Feed Pump Kit Unmachined	£25.00p

BFP-1M Kit same as BFP-1C above but completely machined and ready to assemble

NOTE: Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
BFP-1M	Boiler Feed Pump Kit Machined	£47.99p

DYNAMO Kit

Specifications:

Speed: 5300 RPM

Voltage: 10 VDC @ 10 Watts

Voltage no load: 12 VDC

Max Current: 2.4 Amps

Dimensions: 2-3/8" W x 3-1/2" L x 2-1/4" H

Shaft Diameter: .125"



The Dynamo can also be used as a 12VDC Motor

This Dynamo comes as an unmachined kit with a cast iron frame. The frame has four mounting ears and two aluminum end caps to contain the magnet, armature and brushes. You can paint this to suit your requirements. It will take about 10-15 hours to machine and assemble. This kit is also available as a machined kit for easy assembly. Kit includes a pulley for a flat belt.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
DYN-1	Dynamo Kit	£42.00p

NOTE: Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
DYN-1M	Dynamo Kit - Machined	£85.00p

Displacement Lubricator



For cylinders from 1/2" up to 1" bore.

STOCK NO.	DESCRIPTION	PRICE EACH
LUB-2	Displacement Lubricator Body is 5/8" diameter, approximate height is 2", threaded 3/16-40, made of brass.	£22.00p

STEAM ENGINE No 5

WORKING VERTICAL COKE BOTTLE STYLE MILL ENGINE



This is a 1/8 scale model of an original engine manufactured by the Orr & Sembower Company of Reading, PA. The original engine was a six horsepower class "F" engine according to the Orr & Sembower literature. You may wish to purchase a limited copy of their original literature. It is available for \$15.00.

Bore 5/8"

Stroke 7/8"

Double Acting

Overall Height 7-1/2"

Flywheel Diameter 3"

The original engine we scaled this from came out of a nitroglycerin plant. It was used to mix the acids and glycerin for making nitro. Even after gas engines and electric motors became commonplace, steam engines were considered much more dependable. When mixing, they couldn't stop; for if they did, it was time to run for your life. With the boiler in the distance and high torque at low RPMs, the steam engine was much safer.

This makes a beautiful model that you will be proud to own. But please don't make your own nitro plant. We like having you as a customer.

Kit complete with bronze and iron castings, all required hardware, gasket material, bar stock and complete working drawings. Cast aluminium base platform.

NOTE: Machining And Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
5BI	Steam Engine No 5 Unmachined	£105.00p

STOP PRESS!

SOLAR No 4

THE SUN RUNNER

The Sun Runner, a solar-powered Stirling Cycle Engine, offers a dramatic demonstration of energy conversion. This motor, with its parabolic mirror, can be attached to any conventional camera tripod. When properly aimed at the sun, incoming solar energy is focused on the heat cap of the engine and is converted to rotary motion. Each unit is test run at our factory.

Specifications: 2,000 RPM and up, 8¼" long x 3" wide, ¾" inch bore, 3¼" flywheel, aluminum precision castings. Parabolic Mirror is 18" diameter.

Unit comes complete with motor, parabolic mirror, and wrenches. (Standard camera tripod not supplied.) Engine is completely assembled and ready to run.

NOTE: This engine can also run as a horizontal engine with our No 90 Alcohol Burner.



*We do not use Zinc (pot metal) for any of our models.

NOTE: Some Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
SOLAR-4	The Sun Runner W/Mirror	£249.00p
SOLAR-4E	The Sun Runner Engine Only	£169.00p
MIRROR-4	Parabolic Mirror 18" Dia.	£79.00p



DRILL PRESS KIT

ACTUAL WORKING MODEL 1890s DRILL PRESS



This drill press was scaled down to 1/12th scale from the J.E. Snyder Company, 21" upright drill press as found in illustration in the "Charles A. Strelinger Company" catalogue of 1895. The drill press measures 6½" high.

Picture this in your mind! A display representing an 1895 machine shop with wooden beam construction. At one end is the engine room, complete with one of our #5 engines and our part no BLR-1 or BLR-2 boilers. Then the rest of the 1895 machine shop with our beautiful little DP-1 drill press working away alongside our superb EL-1 model lathe. What a sight! But wait, there's more! Much more to come. Build your machine shop with expansion in mind; because we plan to expand this machine tool line.

Kit complete with thirteen easy machining aluminium castings, all the required hardware, material, bar stock, pre-cut gear stock, finished bevel gears, and complete working drawings.

PROUDLY MADE



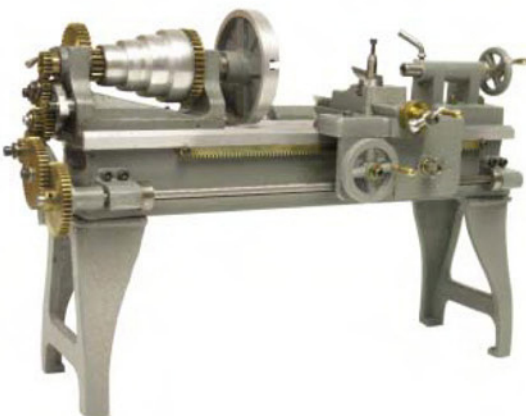
IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
DP-1	Drill Press Kit	£66.00p

ENGINE LATHE KIT

ACTUAL WORKING MODEL 1890s ENGINE LATHE



This Engine Lathe actually performs work like its full-size counterpart!

This lathe is a 1/12th scale replica, measuring 3½" in length and 4½" in height.

Team this lathe up with the PM Research DP-1 drill press and our line shaft accessories and you will have the beginning of your own model machine shop.

The kit complete with nineteen easy machining aluminium castings, plus all the required hardware, material, bar stock, gear stock and complete working drawings. The kit includes a cone pulley for the jack shaft and chuck material. Line shaft bearing block hangers, pulleys and shaft are available as separate accessories.

PROUDLY MADE



IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
EL-1	Engine Lathe Kit	£119.00p



BENCH GRINDER KIT

ACTUAL WORKING MODEL 1890s BENCH GRINDER



Would any machine shop be complete without a bench grinder? We didn't think so! This little bench grinder will go perfectly with our other machine tools.

This bench grinder is a 1/12th scale replica of a Challenge Emery Grinder. The bench grinder and stand measure 4" high, 1 7/8" wide and 1 1/2" deep.

The kit is complete with four easy machining aluminium castings, all required hardware, material, bar stock, and complete working drawings.

PROUDLY MADE



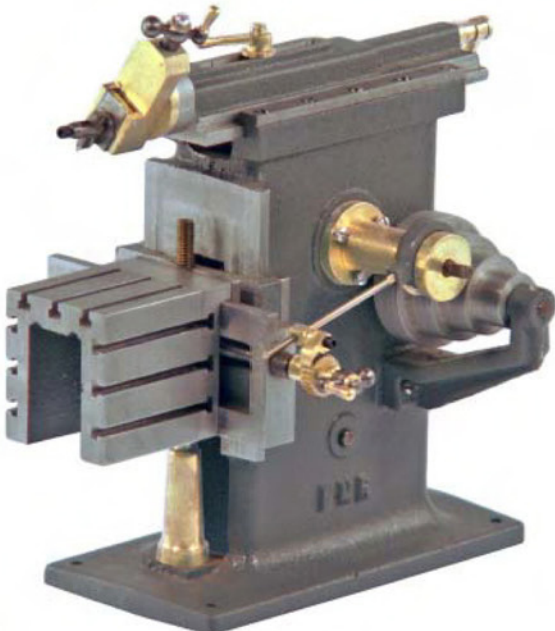
IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
BG-1	Bench Grinder Kit	£25.00p

CRANK SHAPER KIT

ACTUAL WORKING MODEL CRANK SHAPING MACHINE



This working crank shaper is a 1/12th scale replica of a Figure 850 Crank Shaping Machine found in the "Charles A. Strelinger Company" catalogue of 1895.

The crank shaper measures approximately 5" high, 5" long and 4" wide.

It has more parts moving in different directions than you can imagine. It will delight and fascinate all who see it.

Kit complete with eleven easy machining aluminium castings, all required hardware, material, bar stock, pre-cut gear stock, finished mitre gears and complete working drawings. The kit includes a cone pulley for the jack shaft.

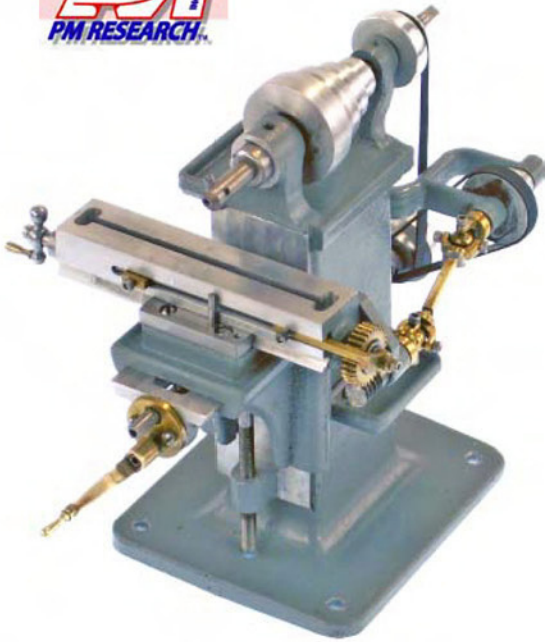
PROUDLY MADE



IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
CS-1	Crank Shaper Kit	£86.00p



MILLING MACHINE KIT

ACTUAL WORKING MODEL 1890s MILLING MACHINE

No machine shop is complete without a Milling Machine. So, here it is - and it is a beauty! This milling machine is a 1/12th scale replica of the Small Universal Milling Machine found in the "Construction & Use of Universal Milling Machines," Brown & Sharpe Manufacturing Co. We also received information for the production of this milling machine from the Henry Ford Museum

The milling machine measures approximately 4 1/8" high, 4 1/4" long and 3 1/2" wide.

The kit is complete with ten easy machining aluminium castings, all the required hardware, material, bar stock, pre-cut gear stock, finished mitre gears and complete working drawings.

PROUDLY MADE



IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
MM-1	Milling Machine Kit	£75.00p



ARBOR PRESS KIT

ACTUAL WORKING MODEL 1890s ARBOR PRESS

IT'S NEW! That is what they were saying about the Arbor Press in the 1890s. It was a new invention then and it is still a great tool.

Well, it is new again! It is new in our line, and you will not find a better Arbor Press anywhere. The PM Research model can be fitted in your pocket! No other production manufacturer can make that claim.

The 1/12th scale Arbor Press measures 2" wide by 4 3/4" high.

The kit is complete with four easy machining aluminium castings, all required hardware, material, bar stock, and complete working drawings.

PROUDLY MADE



IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
AP-3	Arbor Press Kit	£30.00p



TABLE SAW KIT

ACTUAL WORKING MODEL OF 1912 "SAW TABLE"



Now here is one tool every workshop needs. A good table saw. This simple but versatile piece of wood working equipment will find many uses in your shop.

The original table saw that this model is based on dates back to around 1912. This 1/12th scale replica of the No 1 Crescent "Saw-Table" makes a great kit for beginning home shop machinists as well as the experienced hobbyist or professional. The machinists' kit comes complete with everything you need to build the finished saw-table" which is 3 $\frac{3}{8}$ " wide, 4 $\frac{3}{4}$ " long, and 3 $\frac{5}{8}$ " high.

You are going to love this project, and will have a lot of fun showing it actually sawing wood.

The kit complete with nine easy machining aluminium castings, all required hardware, material, bar stock, belting, saw blade, and complete working drawings.

PROUDLY MADE



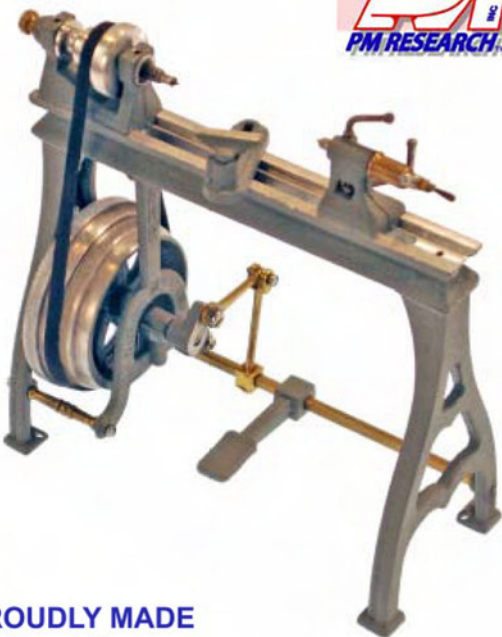
IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
TS-1	Table Saw Kit	£66.00p

WOOD LATHE KIT

ACTUAL WORKING MODEL 1890s WOOD LATHE



No engine? No power plant? No problem! In the 1890s, foot power was all that was needed to drive the Chas. A Strelinger No781 Reed Foot Lathe.

Of course the PM Research is 1/12th the size and runs mostly on finger power. The lathe can be driven by line shaft power if preferred.

The wood lathe measures 4" long and 4 $\frac{1}{2}$ " high.

This is first of a line of woodworking tools that are planned to add alongside PM Research's fine line of metal working machine kits.

Kit complete with eleven easy machining aluminium castings, all the required hardware, material, bar stock, and complete working drawings.

PROUDLY MADE



IN THE U.S.A.

NOTE: Machining and Assembly Required.

STOCK NO.	DESCRIPTION	PRICE EACH
WL-1	Wood Lathe Kit	£50.00p



Jensen 25G

Jensen 95G

3 inch Brass and Nickel Boiler with Whistle and Throttle Valve. Six (6) High Precision Low Friction Bearings. Jensen's Signature Model 15 A.C. Electric Generator and Lamp Post. Five (5) available PTO Pulley Access Points. Jensen's New 660 Watt "Hot-Watt™" Immersion Heater for Faster Steam Production. Price: £775.00p

Jensen 25G

Features a double acting stationary slide valve cylinder with plenty of low speed torque, 2½" x 6" boiler, reversible, 3 speed pulley and a F-N-R Stephenson link shift lever. Includes 400 watt heater, safety valve, whistle and throttle, all mounted on a beautifully finished wood base. ½" bore, 5/8" stroke. Can be supplied in voltages to meet customer mains requirements. Price: £299.00p



For the full range of Jensen models, please see our website.

Jensen Model 60 & 76

Dry fuel brass engine, single action oscillating cylinder 2½" x 4¼" boiler. Price: £129.00p

Model 76.

The kit version of Jensen Model 60. The specification is exactly the same as Model 60 when built. Price: £129.00p



Jensen 75

Jensen 75

Same as No 25, but powered with dry fuel tablets. Perfect for science fair and scouting projects or hobbyist and the "purest" wanting the thrill of "shovelling the coal." Price: £159.00p

Jensen 85G

The highest RPM dry fuel engine & power plant made by Jensen. Price: £105.00p

Jensen 70G

This brand new vertical, double-acting oscillating cylinder Steam Engine with its 2-1/2 x 6 boiler, 3 speed pulley, 400 watt heater and A/C Generator is a combination which brings together the best of both in one compact Power Plant package on a mahogany finished wood base. Can be supplied in voltages to meet customer mains requirements. Bore 7/16" Stroke 5/8" Price: £275.00p



Jensen 15E

All Jensen Engines have silver-soldered boilers

Sussex Steam Co

All Sussex Steam Co models are sold as machined kits only. All Live steam kits available with soldered boilers, please enquire.



Puffing Devil.
Price: £295.00p



A fully assembled Mill Engine,
Type S, with onboard steam plant.
Kit price: £129.00p



Dredging Engine.
Price: £235.00p



A fully assembled Beam Engine,
Type S, with onboard steam plant.
Kit price: £149.00p



Newcomen Automatic Beam Engine
The model stands 17" high x 11" long and 5" deep. Cylinder bore is 1" and maximum stroke is about 2" (variable).
Price £179.00p

A motorisation kit is available for the Type S Beam, Mill Engines & the Newcomen Beam Engine.

Markie
1/10th Scale Precision Working Models
Established as Engineers - 1946
Please contact us for a full information pack or download it from our website.
www.forest-classics.co.uk/markie_engines



Markie Agricultural Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
£2400.00p	£2400.00p	£2400.00p
Kit form		
£2400.00p	£2400.00p	£2400.00p



Burrell Crane Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
£2650.00p	£2650.00p	£2650.00p
Kit form		
£2650.00p	£2650.00p	£2650.00p



Burrell Ploughing Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
Not available	£2800.00p	£2800.00p
Kit form		
Not available	£2800.00p	£2800.00p
	Plough (Balance) £575.00p	



Burrell Roller Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
£2400.00p	£2400.00p	£2400.00p
Kit form		
£2400.00p	£2400.00p	£2400.00p



Road Locomotive Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
£2400.00p	£2400.00p	£2400.00p
Kit form		
£2400.00p	£2400.00p	£2400.00p



Special Scenic Showman Engine.

Fully built ready to run.

Spirit fired	Coal fired	Gas fired, including trailer.
£2800.00p	£2800.00p	£2800.00p
Kit form		
£2800.00p	£2800.00p	£2800.00p

Visit our website: www.forest-classics.co.uk

All major credit cards accepted.

NEW! Little Gem Series from Markie



3/4" scale Markie Road Locomotive
Fully built or kit to assemble.
Price: £895.00p



3/4" scale Markie Roller Engine.
Fully built or kit to assemble.
Price: £935.00p



3/4" scale Markie Showmans' Engine
Fully built or kit to assemble.
Price: £1350.00p

LITTLE GEM Series 2 Specification for all engines

- Spirit Fired • Cab: Steel and Dural Construction • Smoke Box: Fabrication with Brass Chimney Top • Front Axle and Fork: Steel
- Door: Hinged with Markie name plate • Cylinder: Machined from block • Main Tube: Steel tube enclosing boiler
- Boiler: Copper with 5 Water Tubes and heavy gauge Back Plate all silver soldered with certificate. • Lever Operated
- Wheels: Hand built and riveted. Canopy and supports. • Displacement Lubricator • Slide Valve • Copper Tubing throughout
- Boards and rubber tyres. • Cylinder: Double Acting 1/2" (12.5mm) diameter • Forward/Reverse Slip Eccentric
- Crankshaft: Steel 3/4" (19mm) stroke Piston and Rod: Stainless Steel • Full Building Instructions fit Drawings

**Road Tyres for Mamod & Wileco models.
"Often copied, never bettered!"**

Forest Classics Road Tyres for steam models are manufactured in house, ensuring that quality standards and continuity of supply can be maintained.

Not only will these tyres protect the finish on the wheels of your models, but will also give superior traction on smoother surfaces. The rear tyres are treaded, the front tyres are slick.

Part No: FST01

Road tyres to fit Mamod Traction Engines
Price: £7.00p

Part No: FST02

Road tyres to fit Mamod Steam Wagons
Price: £ 7.00p

Part No: FST03

Road tyres to fit Wileco Traction Engines
Price: £ 7.00p

Part No: FST04

Road tyres to fit Wileco Showmans' Engines
Price: £ 7.00p

Part No: FST05

Road tyres to fit Mamod Trailer (Four tyres)
Price: £ 5.50p

Part No: FST06

Road tyres to fit D. R. Mercer Engines
Price: £ 7.50p

Part No: FST07

Suitable for Mamod Water Carts etc (Two tyres)
Price: £ 4.00p

Part No: FST08

Suitable for Wileco Water Carts etc (Two tyres)
Price: £ 4.00p



Tyres to fit the Mamod Traction Engine.
Part No : FST01



Tyres to fit the Wileco Traction Engine.
Part No: FST03

The Forest Classics Workmans' Living Van

A workmans' living van available in light green, brown or burgundy.

Comprising of a black roof with a chimney stack, red wheels and a metal towing bar for towing by any Mamod or Wilesco steam model, two windows and a fixed door.



Overall size:
22cm (8½") long.
12cm (4½") wide.
20cm (8") high.

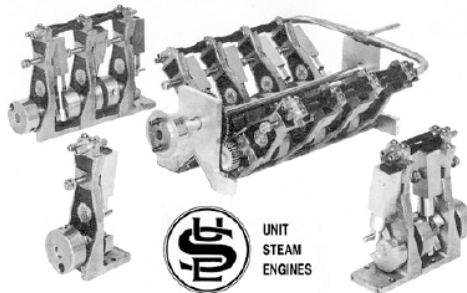
Price for all colours: £35.00p



Forest Classics Steam Oil. Essential for the smooth running of steam models.

Available in 125ml & 250ml sized bottles with injector nozzle. Price: 125ml - £1.95p. 250ml - £2.93p

Unit Steam Engine Kits



UNIT ENGINE KIT No 1

This kit contains all the parts to assemble one UNIT engine; it is FULLY machined and can be assembled in a few minutes. Full instructions. BORE 8mm and STROKE 19mm.

Unit Engine No 1 - Price: £36.75p

UNIT ENGINE KIT No 2

This materials kit contains all the parts to build one UNIT engine, parts need machining and a lathe is needed.

A complete exercise in simple machine work with full engineering drawings, machining instructions and operating instructions.

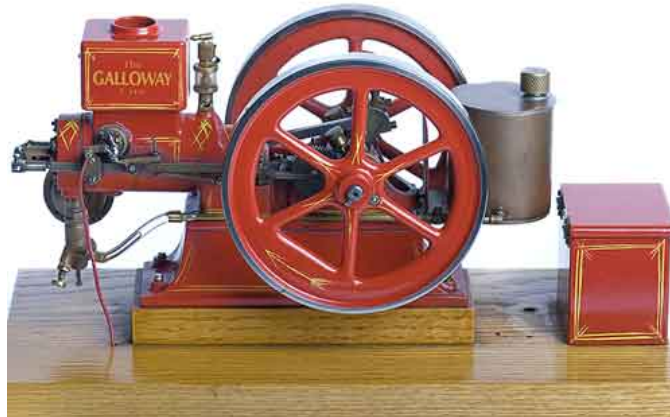
Unit Engine No 2 - Price: £20.75p

UNIT ENGINE Kit No 3

Specification as per Unit Engine Kit No 2, but with the brass block drilled out ready for the piston.

Unit Engine No 3 - Price: £26.99p

Galloway 1/3rd & 1/6th Scale Water-Cooled Hit & Miss Engine Casting Kits
Galloway 1/6th Scale of a 5hp Engine



A 1/6th scale finished engine.
 (Please note: Wooden base not included.)
Price: £299.00p



The Kit contains:

Two Cast Iron castings; Two Flywheels; Cylinder Sleeve; Nine Bronze castings; Connecting Rod bearing; Carburettor; Igniter; Push Rod brackets; Governor Bracket; Rocker Arm bracket; Top & bottom Mufflers; Six Aluminium castings; Base; Sub-Base; Water Hopper; Cylinder Head; Bearing Caps; Two Decals; Photo Engraved Nameplate; Set of Gears - Bored to size; A Set of nine detailed Blueprints.

The Castings Kit

A lathe and milling machine are needed to finish the castings and to fabricate the additional parts required. A 1/6th Scale Galloway has: 7.625" inch Flywheels; 1.312" inch Bore & 2.530" inch stroke.

The kit comprises of castings that must be machined.
 Measurements are given for all parts required to complete the engine.

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Galloway 1/3rd Scale of a 5hp Engine Casting Kit



The Kit contains:

Eight Cast Iron castings; Two Flywheels; Bearing Caps; Cylinder Sleeve, Head & Water Hopper; Nine Bronze castings; Connecting Rod Block; Igniter; Governor Bracket; Carburettor; Rocker Arm Bracket; Top & Bottom Mufflers: One Aluminium casting; Piston; Two Decals; Photo engraved Nameplate; Set of seven detailed Blueprints; A set of Gears (Exact width, bore and one shallow Keyway. Cast Iron Sub-base.

The Castings Kit

Price: £550.00p

The kit comprises of castings that must be machined.
 Measurements are given for all parts required to complete the engine.

A 1/3rd Scale Galloway model has: 10.200" inch Flywheels; 1.750" diameter Bore & a 3.375" inch Stroke.

Little Brother Water Cooled Hit & Miss Casting Kit



A finished engine

(Please note: Wooden base not included.)

Price: £235.00p



The Castings Kit

The Kit contains:

One Aluminium casting; Piston; Seven Cast Iron castings; Two Flywheels; Cylinder Cap; Base; Water Hopper; Bearing Caps; A set of Boston Gears; Detailed Blueprints; Nameplate.

A lathe and milling machine are needed to finish the castings and to fabricate the additional parts required.

Little Brother Model Specifications: Flywheels - 4½" inch Bore - ¾" inch Stroke - 1" inch

Educational Models

Fascinating models with a strong educational theme.



RC Aeroplane Kit



Turning Frog Kit



Escape Robot

Available Models

Titan Tank Kit	6-wheel drive battle vehicle.	Price: £19.56p
Air Boat Kit	Propeller driven boat.	Price: £ 7.19p
Electrafun	Radio Contolled Aeroplane Kit.	Price: £59.69p
Escape Robot	Like an artificial intelligence robot.	Price: £15.65p
Helipod Monster Kit	Detects obstacles using infra-red.	Price: £14.04p
Hovercraft Kit	Hovers just like the real thing.	Price: £ 7.99p
Line Tracking Mouse Kit	A smart line tracking robot mouse.	Price: £18.06p
My First Clock Kit	A truly ideal educational toy.	Not available
Seagull Radio Contro Aeroplane	Ready to fly for budding pilots!	Price: £27.39p
Sound Reversing Car	Robot car with noise detecting sensor	Price: £10.37p
Space Nine Kit	Eight-legged Star Explorer.	Price: £21.52p
Turning Frog Motorised Kit	Sound detecting robot.	Price: £12.71p
A-100 RC Controlled Plane	A great kit with spares available.	Not available
NEW! Follow Me!	Sound detecting Robot	Price: £19.99p
NEW! Line Tracking Robot	Follows a black line drawn on paper.	Price: £14.99p

A Basic Steam Engine Kit



For value for money, it would be difficult to beat our basic steam engine kit. The material in this pack enables you to build a fully functional model steam engine. The main material is brass and the finished machine demonstrates the principle of oscillation. The heating of the boiler, using solid fuel tablets, is quite safe. All critical parts, boiler, end caps, safety vent etc, are ready finished to ensure success. The very detailed 25 page instruction booklet makes completion of this project possible in a step by step manner. Among the techniques experienced are silver soldering, folding, drilling, fitting and testing. The strict safety guidelines shown in the instructions should be adhered to for this project.

Price: £33.45p

A Hot Air Engine (Stirling Engine) Kit for the novice model builder



A detailed plan & instruction booklet of 18 pages, shows all the stages necessary for building this kit.

Suitable as a starter project, all the critical components have been machined and are ready for use, leaving only some engineering skills, that are thoroughly explained, being required for completion. The principles of hot air engines are also described, making this model a splendid teaching aid.

Price for complete kit: £37.99p

Technical data:

Working cylinder stroke: 12 x 10mm
 Pressure cylinder stroke: 13 x 11mm
 No-load speed approximately 800 r.p.m.
 Flywheel diameter: 55mm
 Base: 130 x 130mm

The functional principle of the Stirling engine working cycle can be simplistically described as follows:



The working piston and displacer piston are connected (a phase angle of 90° is needed) with the crank shaft. The air in the cylinder of the displacing piston will be heated by the burner. The heat effects an extension of the air-volume and through that the working piston and the flywheels start to move.

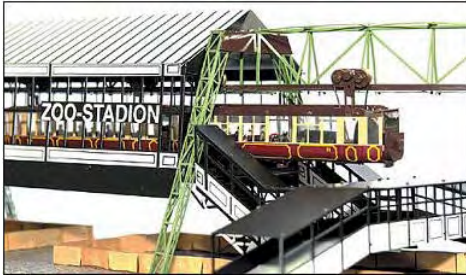
First the working piston moves outwards while the displacing piston will be pushed into the heated

Thereby the heated air will be pushed into the cooled part of the motor which effects a fast cool down and decreasing of the air-volume.

The decreased air-volume effects that the working piston will be pushed into the cylinder and thereby run the flywheels. The rotary motion provides that the displacing piston will be retracted outwards whereby the cooled air streams into the space above the heating.

There the air will be heated and extended again and the process will begin anew.

Monorail Railways
The Emperor Car of 1901
 "HO" or 1:87 scale, also available in "N" Gauge



The Emperor Car of 1901.
 Finished Model
 Price: £ 468.22p

The Emperor Car of 1901.
 Kit Form
 Price: £ 414.20p

The "Schwebebahn"
 Overhead Hinge Train of
 1970. Finished Model.
 Price: £ 468.22p

The "Schwebebahn"
 Overhead Hinge Train of
 1970. Kit Form.
 Price: £ 414.20p

Both monorails supplied with:

Two straight line sections (300mm long-extendable) with supports. Two 360° turns (270mm long) with supports.
 One monorail carriage (145mm long) with drive. One monorail carriage (145mm long) without drive. One battery charger.

Technical details.

Running time: 25 hours with Akku 3.6v rechargeable batteries that may be charged at least 1000 times. Drive: Faulhaber gear motor.

The Wuppertaler Monorail Railway System.

Individual items and accessories.

Wuppertaler Monorail Railway.

Engine Car with Akku & Gear Motor.

Price: £ 167.70p

Length: 145mm. Width: 27mm.

Height: 52mm. Weight: 90 grams.



Wuppertaler Monorail Railway.

Trailer Car Price: £ 131.69p

Length: 145mm. Width: 27mm.

Height: 52mm. Weight: 55 grams.



Straight & curved track section.

Length: 300mm. Width: 40mm.

Height: 37mm.

Weight: Straight: 50 grams.

Curved 55 grams.



Straight Track Section -

Finished Straight.

Price: £ 81.04p

Straight Track Section - Kit Straight.

Price: £ 76.16p

Half straight track section.

Length: 152mm. Width: 40mm.

Height: 37mm. Weight: 25 grams.

Half-Straight Track Section.

Finished Straight.

Price: £ 55.15p

Half curved track section.

Length: 154mm. Width: 40mm.

Height: 37mm. Weight: 27 grams.

Half-Curved Track Section.

Finished Curve.

Price: £ 56.28p

Curved Track Section:

Finished Curve.

Price: £ 85.54p

Curved Track Section - Kit Curve.

Price: £ 77.66p



Half-Straight Track Section. Kit

Straight.

Price: £ 50.65p



Half-Curved Track Section.

Kit Curve.

Price: £ 52.90p

The Wuppertaler Monorail Railway System.

Individual items and accessories. (Continued.)

Track section support.

Length (top): 75mm.
Length (base): 175mm.
Height: 140mm. Weight: 25 grams.



Track Section Support. Assembled.
Price: £ 58.52p

Track Section Support. Kit.
Price: £ 52.90p

"Emperor route" support.

Height: 140mm. Width: 6mm.
Weight: 26 grams.



360 degree turn. Assembled.
Price: £ 148.57p

360 degree turn. Kit.
Price: £ 132.81p

Zoo Station.

Length: 290mm. Width: 110mm. Height:
120mm. Weight: 460 grams.



Zoo Station. Assembled.
Price: £ 285.89p

Wuppertaler Monorail Railway.
Zoo Station. Kit.
Price: £ 252.11p

Figure set.

Dressed in the styles of the turn of the 20th
century. 10 figures per pack, choice of 3
different packs.

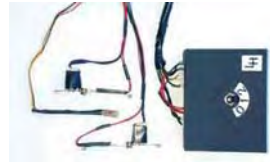


Figure Set
Price: £ 37.15p

Please contact us for details of different packs that
are available.

Automatic Start - Stop.

Stops the train running for 10 seconds & starts
it running again. Signal lights red & green.
Will run two more trains simultaneously.



Wuppertaler Monorail Railway.
Automatic Start - Stop.
Price: Please enquire for availability

Automatic Start - Stop mounting set
Price: See left.

Please do not hesitate to contact us for advice on any of the items shown on this page.

English Locomotives in HO / OO or 1:87 scale

The English Siding Locomotive Class 4

English Siding Locomotive Class 4, Finished
Model.
Price: £ 286.10p

English Siding Locomotive Class 4, Kit.
Price: £ 258.88p



Technical Data.

Length: 8.0cm. Width: 3.4cm. Height: 5.0cm. Boiler: 4.8cm. Piston: 3.0mm.
Stroke: 8.0mm. Running time: 5½ minutes. Fuel: Spirit. Weight: 78gr. Pulling capacity: 2 wagons.
Model Speed: 13cms /sec. Original Loco speed: 40 kph (24.85mph)
Gradient: 9% with one wagon. Material: Stainless Steel. Exhaust: Steam from chimney.

Please do not hesitate to contact us for advice on any of the items shown on this page.

English Locomotives in HO / OO or 1:87 scale (continued)

G.E.R.S. 0 - 4 - 0 Steam Engine G15 "Y6"

Finished Model.

Price: £ 285.89p

G.E.R.S. 0 - 4 - 0 Steam Engine G15 "Y6"

Kit.

Price: £ 258.88p



Length: 8.0cm. Width: 3.4cm. Height: 5.0cm Boiler: 4.8cm. Piston: 3mm. Stroke: 8mm Running time: 5.5 minutes. Fuel: Spirit. Weight: 80gr. Pulling capacity: 2 wagons. Model Speed: 13cms /sec. Original Loco speed: 40 kph (24.85mph) Gradient: 9% with one wagon. Material: Stainless Steel. Exhaust: Steam from chimney.

Mini Steam - Real Steam in Miniature!

Ministeam Steam Engine 00 Gauge.

Finished Model.

Price: £ 86.66p

Ministeam Steam Engine 00 Gauge.

Kit.

Price: £ 77.66p



Steam Engine 00 Gauge. Gauge 16mm, Length 7cm, Width 3cm Height 6cm. Boiler (Duranglass) 5cm. Piston diameter 3mm. Stroke 8mm. Running time 5 minutes. Weight 52g.

Ministeam Steam Car, steerable.

Finished Model.

Price: £ 109.18p

Ministeam Steam Car, steerable.

Kit.

Price: £ 97.92p



Length 13.5cm, Width 6cm, Height 9cm. Boiler (Duranglass) 5cm Piston diameter 3mm. Stroke 8mm. Running time 4 minutes. Weight 106g.

Ministeam Steam Lorry, steerable.

Finished Model.

Price: £ 109.18p

Ministeam Steam Lorry, steerable.

Kit.

Price: £ 97.92p



Length 11.5cm, Width 5.5cm, Height 8.5cm. Boiler (Duranglass) 5cm. Piston diameter 3mm. Stroke 8mm. Running time 4 minutes. Weight 110g.

Ministeam Hammer.

Finished Model.

Price: £ 45.02p

Ministeam Hammer.

Kit.

Price: £ 40.51p



Length 5.5cm. Width 4.3cm. Height 3.5cm. Weight 24g.

Ministeam Steam Dynamo & Lamp.

Finished Model.

Price: £ 90.03p

Ministeam Steam Dynamo & Lamp.

Kit.

Price: £ 80.03p



Length 10.5cm. Width 2.5cm. Height 7cm. Boiler (Duranglass) 10cm. Piston diameter 3mm. Stroke 8mm. Running time 6 minutes. Weight 68g.

Mini Steam - Real Steam in Miniature! (Continued)

Ministeam Kerzen-Dampfmaschine

Finished Model

Price: £ 74.84p

Ministeam Kerzen-Dampfmaschine

Kit

Price: £ 67.53p

Length 5.5cm. Width 5.5cm. Height 11cm. Boiler (Duranglass) 5ccm. Piston diameter 3mm. Stroke 8mm. Running time 5 minutes. Weight 72g.



Ministeam Dampf-Dreirad, steerable.

Finished Model

Price: £ 79.44p

Ministeam Dampf-Dreirad, steerable.

Kit

Price: £ 73.91p

Length 8.5cm. Width 5cm. Height 8cm. Boiler (Duranglass) 10ccm. Piston diameter 3mm. Running time 6 minutes. Weight 58g.



Ministeam Power Plant.

Finished Model.

Price: £ 90.03p

Ministeam Power Plant.

Kit

Price: £ 81.03p

Length 7cm. Width 5.5cm. Height 7cm. Boiler (Duranglass) 10ccm. Piston diameter 3mm. Stroke 8mm. Running time 6 minutes. Weight 64g.



Ministeam Dampf-Auto, steerable.

Three Wheel Car, Finished Model.

Price: £ 109.18p

Ministeam Dampf-Auto, steerable.

Three Wheel Car, Kit

Price: £ 97.92p

Length 11cm. Width 6.5cm. Height 9cm. Boiler (Duranglass) 5ccm. Piston dia 3mm. Stroke 8mm. Running time 4 mins. Weight 82g.



Ministeam Dampf-Draisine, Gauge 1.

Finished Model.

Price: £ Please enquire

Ministeam Dampf-Draisine, Gauge 1.

Kit

Price: £ Please enquire

Length 7cm. Height 6cm. Boiler (Duranglass) 5ccm. Piston diameter 3mm. Stroke 8mm. Running time 5 minutes. Weight 52g.



Ministeam Dynamo & Lamp.

Finished Model

Price: £ 42.02p

Ministeam Dynamo & Lamp.

Kit

Price: £ 42.77p

Length 5.5cm. Width 2.8cm. Height 3.5cm. Weight 32g.



Mini Steam - Real Steam in Miniature! (Continued)

Live Steam Stanley, USA 1907 scale 1:18

Stanley Steamer in Kit Form

Price: £ 468.57p

Stanley Steamer finished model without radio control.

Price: £ 529.00p

Stanley Steamer finished model with radio control.

Price: £ 711.24p



Length: 225 mm. Width: 105 mm. Height: 140 mm. Weight: 630 grams with servos and batteries.
Motor: 2 cylinder Mini-Steam engine "Andreas." Heating: Lighter gas. Steerable and controllable, also via Radio Control: forward, backward, fast, slow stop. Stainless steel material.

Ministeam Lorry Scale 1 : 43

Ministeam Lorry. Assembled with Radio Control.

Price: £ 711.33p

Ministeam Lorry. Assembled minus Radio Control

Price: £ 510.99p

Ministeam Lorry. Painted Kit Form

Price: £ 454.71p

Ministeam Lorry. Radio Control Unit with Micro Servos.

Price: £ 140.69p



Length: 217mm. Width: 65mm. Height: 95mm. Weight: 400 grams. Running time: 20minutes.
Engine: Two cylinder, Mini - Steam "Andreas." Optional Electric Motor. Fuel: Lighter Gas.
Steerable, with variable speed. With Radio Control: Forward, backwards, variable speed & brakes

Live-Steam Gauge 1 Locomotives

All Live-Steam Locomotives are powered by the powerful "Andreas" oscillating twin cylinder engine. Gas fired using lighter gas, and run on isolated wheels.

"Heidi" Gauge 1 Locomotive.

Finished Model

Price: £ 440.08p

"Heidi" Gauge 1 Locomotive.

Kit Form

Price: £ 413.07p



Running time approximately 15 minutes. Length 200mm, Height 150mm, Weight 610grams.

"Emil" Gauge 1 Locomotive.

Finished Model

Price: £ 455.83p

"Emil" Gauge 1 Locomotive.

Kit Form

Price: £ 430.24p



Running time approximately 15 minutes. Length 230mm, Height 135mm, Weight 640grams.

"Kurt" Gauge 1 Locomotive.

Finished Model

Price: £ 455.83p

"Kurt" Gauge 1 Locomotive.

Kit Form

Price: £ 430.24p



Running time approximately 15 minutes. Length 230mm, Height 135mm, Weight 655 grams.

American Gauge 1 & O Locomotives

Finished Model

Price: £ 330.90p

Kit Form

Price: £ 311.78p

American OO Gauge Locomotive

Finished Model

Price: £ 194.72p

Kit Form

Price: £ 173.33p



Running time approximately 15 minutes. Length 200mm, Height 125mm, Weight 350 grams.

Live-Steam Gauge 1 & Gauge O Rolling Stock

Nostalgic Passenger Carriage

Gauge 1 Finished Carriage Price: £ 103.55p
 Gauge 1 Kit Form Price: £ 97.92p
 Gauge O Finished Carriage. Price:£103.55p
 Gauge O Kit Form Price: £ 97.92p



Will fit all the Gauge 1 locomotives shown on the previous page.
 Constructed from painted brass. Length: 140mm. Height: 105mm. Weight: 150 grams.

Wood Truck Gauge 1 (45 mm)

Made with insulated wheels and ready painted.
 Gauge 1 (45mm) Price: £ 75.41p
 Gauge 1 (45mm) Kit Form Price: £ 71.24p



. Length: 125. Width 84. Height: 85 mm Weight: 70 grams.

Ore Truck Gauge 1, (45 mm)

Made with insulated wheels and ready painted.
 Gauge 1 (45mm) Painted ready to run. Price: £ 102.21p
 Gauge 1 (45mm) Kit, all parts painted, no soldering.
 Price: £ 96.80p



Length: 120. Width: 72. Height: 90 mm Weight: 120 grams.

Flatbed Truck Gauge 1, (45 mm)

Made with insulated wheels and ready painted.
 Painted ready to run model. Price: £ 67.53p
 Kit (all parts painted, no soldering) Price:£ 64.16p



Length: 130. Width: 84. Height: 90 mm. Weight: 85 grams.

1. Gas Pressure Adjustment Valve

The Gas Pressure Adjustment Valve automatically regulates the height of the flame relating to the boiler pressure. When running the locomotive slowly the boiler pressure does not rise and keeps constant with a small burner flame. The Gas Pressure Adjustment Valve can be used for all gas heated steam engines. Price including mounting kit: £ 76.53p



2. Pressure Gauge 0 - 4 bar

Brass, rear connection.
 Thread M5x 0.8.
 Price including mounting kit: £ 31.38p

Pressure Gauge 0 - 6 bar

Brass, rear connection.
 Thread M5x 0.8.
 Price including mounting kit: £ 31.38p

3. Driving-Regulator

The regulation of start, forward, backward, speed and stop takes place by hand. With our newly developed mini "Driving-Regulator" (Fig 3) it is possible to regulate the speed and the direction with transformer / controller.

Please enquire for availability



Details see pictures, Points A-F

- A. Gas Burner
- B. Steam Engine
- C. Steering Rod
- D. Current Collector for the Driving-Regulator
- E. Boiler, brass, silver soldered.
- F. Gas-Tank



More Ministeam models

These superb 1:43 steerable scale models are based on the, Aveling & Porter, Burell and Fowler models of about 1910, being used for agriculture and the construction of roads until about 1940, when the lighter and more powerful internal combustion engine replaced them.

Technical Data.

Road Roller / Traction Engine. Length including tender: 205mm / 190mm. Width: 205mm / 190mm. Height: 78mm / 78mm. Weight: 310gr / 280gr. Running time for both: 15min. Engine: Ministeam "Andreas" see below for details. Ignition: Push button Piezo. Materials: Stainless. Prices: Both models: Fully assembled £ 460.35p. Kit: £ 414.20p

These Mini Boilers are made from Brass & Copper and are insulated with Mahogany wooden strips. Complete with a gas burner.

Technical Data.

Vertical / Horizontal. Dia: 3.5cm / Dia: 2.6cm. Boiler volume vertical & horizontal: 30ccm Running time for both: 20min. Weight: 110g Weight: 116g Vertical / Horizontal.

Use in ships up to 70cm long with either propeller or paddle drive.

Width: 3.7cm. Height: 5.0cm

Piston dia: 7mm. Stroke: 7mm

Reciprocating cylinders, fast, slow & stop.

Performance data

Bar RPM (air) RPM (Water)

0.5 1700 515

1.0 2400 727

1.5 2880 872

2.0 3100 939

The Mini Paddle Wheels fit our Ministeam Engine "Andreas" and can be fitted either side of your ship or as a stern-wheeler.

Technical Data

Diameter 46mm. Width 16mm. Axle diameter 2mm Material: Stainless steel. Price: £43.90p

The latest model in the Ministeam range is a steam gondola, equipped with the smallest series steam engine in the world and capable of running for five minutes. This tiny technical wonder clearly demonstrates how movement can be generated from water and fire.

Technical Data.

Length: 20cm. Width: 20cm. Height: 17cm. Boiler (Heat resistant glass): 10ccm. Piston dia: 3mm. Stroke: 8mm. Steering: Oscillating. Running time: 6 min. Fuel: Solid fuel Weight: 180g.

Available both as a finished model and in kit form (No soldering!)

Technical Data.

Length: 11cm. Width: 11cm. Height: 26cm. Boiler: 25ccm. Piston dia: 3mm. Stroke: 8mm. Steering: Oscillating. Running time: 30 min. Fuel: Spirit Weight: 66g.

The mini steam engine "Cottage" is a highlight in the Ministeam series. The water in the glass boiler is brought to boil by means of a tea light and the steam pressure thus generated powers the oscillating mini steam engine causing the flywheel to rotate.

Technical Data.

Length: 85mm. Width: 40mm. Height: 64mm. Weight: 49g Boiler: 50ccm. Piston dia: 30mm. Stroke 80mm. Steering: Oscillating. Running time: 8-10 min Fuel: Candle/Tea light. Material: Stainless Steel, Brass. Available as finished Model only. Price: £67.90p



Road Roller



Traction Engine



Price for both types: £ 185.71p

Mini Boilers



Price for finished model £191.34p

Model in kit form: £166.58p

Ministeam Engine "Andreas"



Mini Paddle Wheels



Finished Model: Price: £ 125.27p

Kit Form: Price: £ 114.01p

Ministeam Steam Gondola



Finished Model

Price: £54.14p

Kit Form

Price: £49.52p

Ministeam Steam Mill



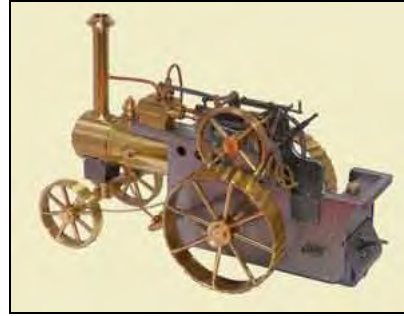
Ministeam Steam Cottage

D. R. Mercer Type 1 & Type 2 Traction Engines

Appointed Mercer Dealer.



Type 1 Unpainted



Type 1 Unpainted

D.R.Mercer's superb engines are skilfully engineered in Birmingham England, by a leading model engineering company. These engines are not toys, but collectors and steam enthusiasts' miniatures. The engines are offered in kit form with easy to follow instructions. Machining is not required, or any special tools. Painting to your own colours using aerosol paints as supplied by accessory shops. On the brass boiler it is recommended that an etching primer be used as a base coat. The engine can also be supplied fully assembled and painted to you colour specification. A canopy can be supplied for both models.

Specification

Height: 7 1/2" (19.05cm)

Length: 12" (30.5cm)

Weight: 5 lbs (2.2kg)

Regulator: Taper plug tap.

Final drive gears.

Working pressure 10 to 15 p.s.i.

Cylinder bore: 3/8" (9.5mm)

Stroke: 0.43" (11mm)

Piston: 1 Fabric Ring

Not super heated steam.

Boiler: Brass, fully silver soldered, hydraulic tested.

Running time: 20 to 30 mins.

Valve: Slide type

Valve gear: Stephenson's

Lubrication: Displacement type to cylinder.

Drive: Sliding gear clutch.

Fired by spirit lamp with two wicks.

Differences in specification between Type 1 & Type 2 Traction Engines.

Wheels: Type 1 are fitted with Artillery type round spokes, similar to the American style "Case" Traction Engine. Type 2 has the traditional English style flat spoked wheels. Pressure gauge: Type 1, not fitted. Type 2, fitted. Flywheel: Type 1, 2 1/2" spoked. Type 2, 2 3/4" 6 spoked. Chimney: Type 1, straight. Type 2, flanged. Type 1 can be upgraded to a Type 2 in stages to suit your requirements, and all optional extras are suitable for both models.

Prices:

Type 1 in kit form: £525.00

Type 1 in painted kit form: £575.00

Type 1 fully built & painted: £625.00

Type 2 in kit form: £650.00

Type 2 in painted kit form: £700.00

Type 2 fully built & painted: £750.00

Showmans' in kit form: £825.00

Showmans' in painted kit form: £875.00

Showmans' fully built & painted: £975.00

Other models and accessories available from FOREST CLASSICS

Catalogue Number	Type Accessories	Price
MRK1	Roof Kit	£ 80.00p
MWT1	Water Tanks	£ 65.00p
MMB1	Maintenance Board	£ 15.00p
MRTJ1	Rear Tow Jaw	£ 15.00p
MSF1	Solid Flywheel	£ 35.00p
MSSF1	Six-Spoked Flywheel	£ 17.50p
MFC1	Flanged Chimney	£ 17.50p
MGG1	Gear Guard	£ 25.00p
FST06	Road Tyres to fit D. R. Mercer Engines	£ 7.50p
MBT	Belly Tanks	£85.00p
MCTG	Crosshead & Tank Guide	£35.00p

All accessories are available to D.R.Mercer customers old & new.



Part No's MMB1
Maintenance Board.
Price £15.00p
& Safety Valve Cover
Price £12.50p



Part No: BIX027
A complete gas tank &
ceramic burner assembly
for D. R. Mercer Type 1 &
Type 2 Engines.
Price: £65.00p

Bohm Stirling Engines

Beech Wood Base

Bohm HB07
Finished Model
Price: £192.43p
Kit
Price: £187.05p



Bohm BHB07
Finished Model
Price: £192.43p
Kit
Price: £187.05p



Bohm HB09
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB09
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB10
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB10
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB11
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB11
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB12
Finished Model
Price: £279.50p
Kit
Price: £274.13p



Bohm BHB12
Finished Model
Price: £279.50p
Kit
Price: £274.13p



Bohm HB13
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB13
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB14
Finished Model
Price: £284.88p
Kit
Price: £279.50p



Bohm BHB14
Finished Model
Price: £284.88p
Kit
Price: £279.50p



Bohm HB15
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB15
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB16
Finished Model
Price: £290.25p
Kit
Price: £284.88p



Bohm BHB16
Finished Model
Price: £290.25p
Kit
Price: £284.88p



Bohm HB17
Finished Model
Price: £198.88p
Kit
Price: £193.50p



Bohm BHB17
Finished Model
Price: £198.88p
Kit
Price: £193.50p



Bohm HB18
Finished Model
Price: £284.88p
Kit
Price: £279.50p



Bohm BHB18
Finished Model
Price: £284.88p
Kit
Price: £279.50p



Bohm HB20
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm BHB20
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB22
"Smoking Gun
Flame Gulper"
Finished Model
Price: £407.43p
Kit
Price: £402.05p



Bohm BHB22
"Smoking Gun
Flame Gulper"
Finished Model
Price: £407.43p
Kit
Price: £402.05p



Bohm HB24
"Flame Gulper"
Finished Model
Price: £407.43p
Kit
Price: £402.05p



(Awaiting photo of Beech base.)

Bohm BHB24
"Flame Gulper"
Finished Model
Price: £407.43p
Kit
Price: £402.05p



Bohm HB25
Finished Model
Price: £213.93p
Kit
Price: £208.55p



(Awaiting photo of Beech base.)

Bohm BHB25
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB26
Finished Model
Price: £284.88p
Kit
Price: £279.50p



(Awaiting photo of Beech base.)

Bohm BHB26
Finished Model
Price: £284.88p
Kit
Price: £279.50p



Bohm HB27
Finished Model
Price: £360.13p
Kit
Price: £354.75p



(Awaiting photo of Beech base.)

Bohm BHB27
Finished Model
Price: £360.13p
Kit
Price: £354.75p



Bohm HB28
Finished Model
Price: £430.00p
Kit
Price: £424.63p



(Awaiting photo of Beech base.)

Bohm BHB28
Finished Model
Price: £430.00p
Kit
Price: £424.63p



Bohm HB31
Finished Model
Price: £213.93p
Kit
Price: £208.55p



(Awaiting photo of Beech base.)

Bohm BHB31
Finished Model
Price: £213.93p
Kit
Price: £208.55p



Bohm HB32
Finished Model
Price: £279.50p
Kit
Price: £274.13p



Bohm BHB32
Finished Model
Price: £279.50p
Kit
Price: £274.13p



Bohm HB33
Finished Model
Price: £365.50p
Kit
Price: £360.13p



(Awaiting photo of Beech base.)

Bohm BHB33
Finished Model
Price: £365.50p
Kit
Price: £360.13p



Bohm HB34
Finished Model
Price: £440.75p
Kit
Price: £435.38p



(Awaiting photo of Beech base.)

Bohm BHB34
Finished Model
Price: £440.75p
Kit
Price: £435.38p



Bohm Carousel
Finished Model only
Beech Base.
Price: £213.93p
Black Base.
Price: £213.93p



Bohm Windmill
Finished Model only
Beech Base.
Price: £106.43p
Black Base.
Price: £106.43p



Visit our website at www.forest-classics.co.uk

The Stirling No 1 Engine.

Available in finished & kit form.
Finished Model price: £158.70p
Kit Form price: £149.70p



The Stirling No 2 Engine.

Available in finished & kit form.
Finished Model price: £194.72p
Kit Form price: £181.21p



The Stirling No 3 Engine.

Available in finished & kit form.
Finished Model price: £239.74p
Kit Form price: £219.48p



The Stirling No 4 Engine.

Available in finished & kit form.
Finished model price: £141.82p
Kit form price: £131.69p



The Stirling 5 Stirling Engine.

Available in finished & kit form.
This powerful Stirling engine is produced in horizontal construction.
Price: £286.76p Kit: £264.50p



The Stirling 6 Stirling Engine.

Available in finished & kit form.
Finished model price: £230.74p
Kit form price: £221.73p



The Twin Stirling Engine

Available in finished & kit form.
Finished model price: £431.25p
Kit form price: £393.30p



The Ball Stirling Engine.

Available in finished & kit form.
Finished model price: £255.10p
Kit form price: £2238.61p



Please see our website at
www.forest-classics.co.uk
for further details

Vacuum Engines

Also known as "Flame Gulpers"

For the Vacu-Mini & Vacu-Maxi Traction Engine also the Railway conversion,

The Vacu - Maxi Vacuum Engine

Price for finished model: £369.17p
Price for model in kit form: £350.04p



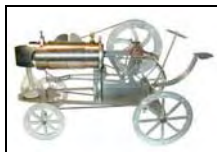
Vacu - Mini Vacuum Engine.

Price for the finished model: £195.85p
Price for the model in kit form: £167.70p



Vacu-Maxi Traction Engine.

Price for finished model: £530.13p
Price for model in kit form: £386.60p
Vacu-Maxi Conversion Kit: £149.70p



Vacu - Mini Traction Engine

Price for finished model: £294.89p
Price for model in kit form: £236.36p
Vacu-Mini Conversion Kit: £94.54p

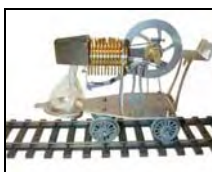


The Vacu-Maxi Traction Engine can be purchased as the finished model or kit, or produced by using a Vacu-Maxi Traction Engine conversion kit.

The Vacu-Mini Traction Engine can be purchased as the finished model or kit, or produced by using a Vacu-Mini Traction Engine conversion kit.

Vacu-Mini Gauge 1 Locomotive.

Price for the finished model: £273.50p
Vacu-Mini Conversion Kit: £77.66p



Gas Motors

Museum quality models

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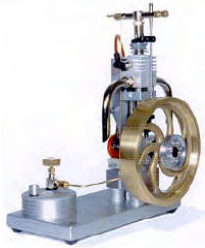
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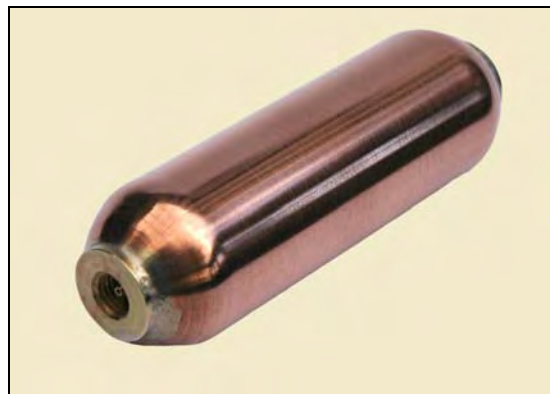


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