





# Meccano goes electronic!

## NEW 5ME MOTORISED ELECTRONIC SET!

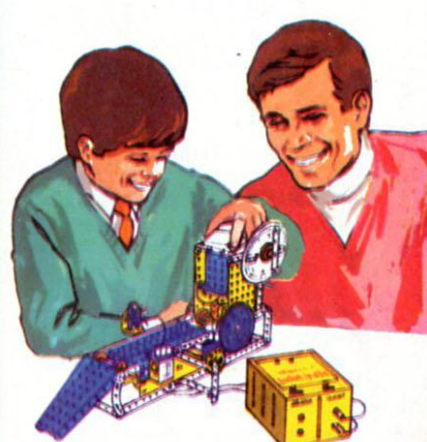
A GREAT SET-GIVES ALL THE FUN OF MODEL BUILDING PLUS MOTORISED POWER AND AUTOMATIC CONTROL!

This is a new kind of Meccano Set. It has all the normal Meccano structural parts with plans to make 66 models, plus a powerful electric motor and exciting electronic parts.

The motor—is a 3-12 volt DC unit with 6-ratio gearbox. Sturdy, light: performance unaffected by external magnetic fields. Long life copper-graphite brushes.

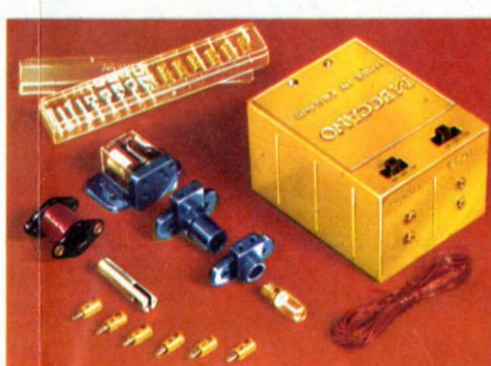
The set contains a photo-electric cell and automatic control battery box together with many other electronic parts that put your models in a scientific class all of their own.

(Batteries not included)



With this set you can make lots of motorised and electronic models like the electronic conveyor with built in counting device as shown.

## NEW ELECTRONIC ACCESSORY SET ADDS AUTOMATIC CONTROL TO EXISTING MECCANO SETS



J. & W. COLTART  
PHOTOGRAPHIC DEALERS  
9a DUKE STREET  
LEITH

Add this exciting electronic accessory set to your existing sets and control your motorised models automatically. With a photo-electric cell you can add a new 'computer-age' look and action to your model-making.

## NEW 4EL ELECTRICAL SET-TEACHES-ABSORBS

This set is a fascinating introduction to the world of electricity. There are instructions and everything you need to build 81 models including a variety of special electrical equipment such as a simple electric bell, compass, transformer, electric field gun and several kinds of electric motor.

SAFE—IT'S BATTERY OPERATED  
(Battery not included)



J. & W. COLTART  
PHOTOGRAPHIC DEALERS  
9a DUKE STREET  
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This set contains all the parts in the standard No. 4 set plus a complete range of electrical components. With it you can immediately make lots of exciting electrical models that really work. When enthusiastic Meccano modellers have made all the models illustrated in the instruction book they can invent and discover many more to make for themselves.

## NEW 3M AND 4M MOTORISED SETS FOR ACTION!

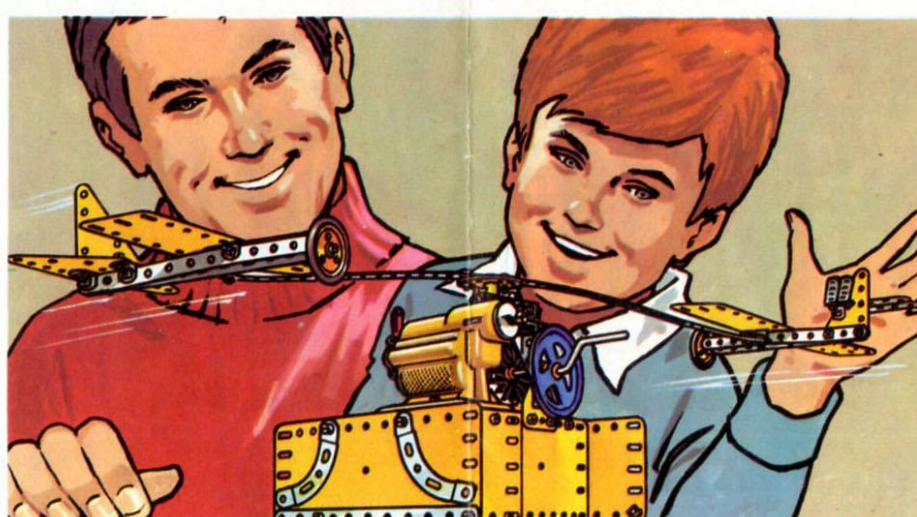
### SET 3M WITH BATTERY DRIVEN MOTOR

With fixed ratio gear  $4\frac{1}{2}$  volt DC motor which has stop, forward and reverse lever. Instructions for building 32 working models, many of them motorised and you can invent lots more.

### SET 4M WITH POWERFUL BATTERY DRIVEN MOTOR

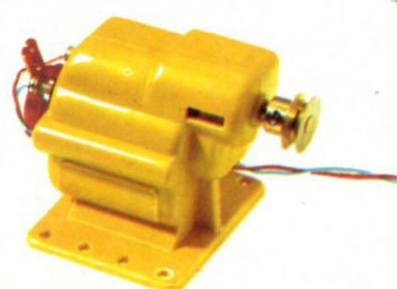
Rotary power, lifting power, driving power—you've got them all in this Meccano Set. Instructions for building 47 models many using the powerful electric motor with reverse control

(Battery not included)



$4\frac{1}{2}$  VOLT D.C. MOTOR UNIT WITH FORWARD, STOP AND REVERSE LEVER

BATTERY OPERATED



## MOTORS TO POWER YOUR MECCANO MODELS!

### ELECTRIC

1. 3-12 volt DC motor with 6-ratio gearbox. A super-efficient, precision made reversible motor with low current consumption. The motor works from a 3 to 12 volt DC power source as supplied by suitable battery or series of batteries.

2. 6-ratio gearbox with universal coupling. Transmission ratios—3:1, 6:1, 12:1, 16:1, 32:1, 60:1. Simple to operate and absolutely foolproof. Gear ratio may be changed while motor is running.

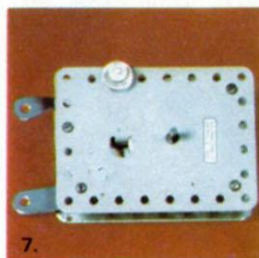
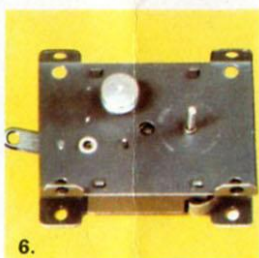
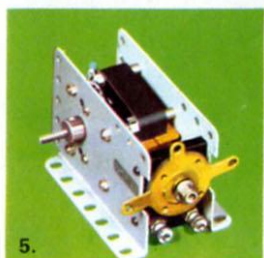
3. Hand operated generator. Simple, safe manually operated generator. Turn the handle to produce up to 12 volts DC.

4. Reversible  $4\frac{1}{2}$  volt DC motor. This motor will run from  $4\frac{1}{2}$  volt battery; it has a stop, forward and reverse lever. (Illustrated with Motorised Sets)

5. E15R electric motor. 12/15 volt motor with built-in reversing switch. Will operate through a suitable transformer, or will give adequate power when run from a 12 volt battery or series of batteries.

CLOCKWORK  
6. Magic motor. Non-reversible. Specially intended for driving many of the smaller Meccano models.

7. No. 1. Clockwork motor. Suitable for driving many of the larger models. Fitted with reversing mechanism.



### STEAM

8. Powerful, clean, safe and simple to operate. Works on methylated spirits and water. Fitted with a drive reversing lever.

The  $4\frac{1}{2}$  volt and 3-12 volt Motors are now supplied with plugs and socket connections.

## LOTS OF INTERESTING EXTRAS TO ADD!

### SUPER TOOL SET



Building Meccano is easier and much more fun with the new Super Tool Set. The automatic nut holder holds up to 20 nuts at a time and speeds up construction, and the long screwdriver and flexible drive spanner reach into the most awkward corners.



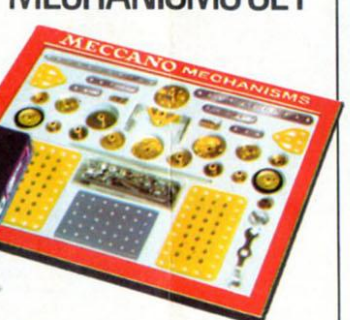
### GEARS SET



Build up your range of models with extra gears—extra versatility. The Meccano Gears Set contains gear wheels, sprockets and chain plus an 'engineering' manual with instructions for making dozens of drives and gear trains including twin-drives, intermittent drives, spur gearing etc.



### MECHANISMS SET



Meccano has often been called real life engineering in miniature, and the Mechanisms Set proves this is true. It contains all the parts you need plus an engineering manual with full instructions for making clutches, differentials, disc brakes, free wheels and all sorts of reversing Mechanisms, adding a new dimension to your Meccano Models.



CONVERSION SETS TO MAKE YOUR EXISTING SET INTO THE NEXT LARGER SET  
FOR EXAMPLE

**5+5X=SET 6**



When you want more scope for building bigger and better models—convert your existing Meccano Set into the next larger size by adding a conversion set. For example: Set No. 5 + Conversion Set 5X = Set No. 6.