

PYOU LIKE TO KNOW MOMERKUR TOY CONSTRUCT

Muzeum stavebnice MERKUR



Toy production in Police nad Metují, in the Czech Republic, dates back to the year 1920 when Jaroslav Vancl founded the Inventor company, which produced toy construction sets of the same name. Back then, the metal parts of the Inventor construction sets were connected by metal hooks similar to those of scaffolding. In 1925, a new system was launched whereby the metal parts are connected by screws and M 3,5 nuts. This toy construction set, registered under the MERKUR trademark became very popular and keeps its original form till this day. Would you like to know more about the MERKUR toy construction sets and toy trains? Do you want to see the biggest structure made of MERKUR? Then come and visit the MERKUR Toy Construction Set Museum in Police nad Metují





The History

Perhaps everybody, when hear of the word Merkur think of planet of our solar system, but most of them on the best known Czech toy of even title. Merkur is the title of the train models and metal kits, which arose at the beginning of the last century in Police nad Metují.

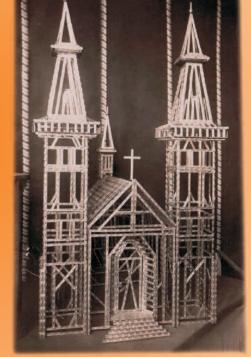
Infancies are dating in 1920, when Mr Jaroslav Vancl established the **company INVENTOR**. Before Mr. Vancl had this construction of child's metal kit patented under the title INVENTOR. Today it is heavy to find out, whether it was his idea, or whether he was inspired by design of any other construction set. Originally were metal lots of construction set INVENTOR connected with a metal hooks, similar to nowadays using scaffolding "haki". Metal construction set under the name INVENTOR finished, nevertheless this title is in use in Police nad Metují and became popular.



Daughter of Mr. Jaroslav Vancl and the first working group.



INVENTOR for the domestic market of Czechoslovakia.



Model built from a large church set.



construction set INVENTOR second version with screw connections for export to Great Britain.



The first large construction INVENTOR for export to Germany in 1921.

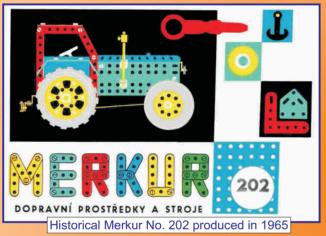


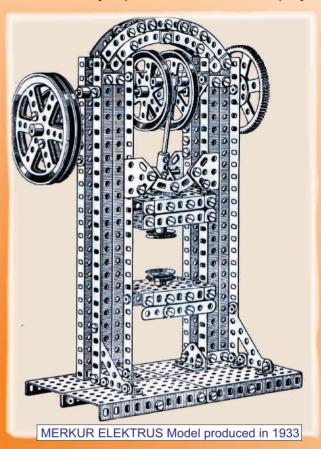
The History

In 1925 producer came with a new system, which have the same appearance to this day. Metal parts of construction set are connecting with screws and nuts M3,5 size. By this way construction set had approached to the real construction and made it possible to major possibilities for child play and

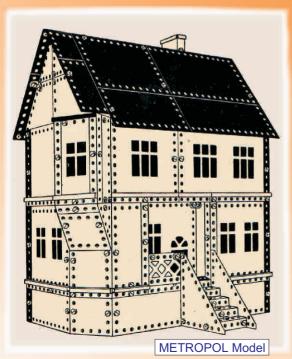


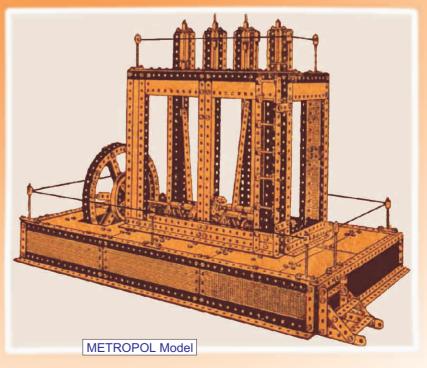






creativity. With the beginning of a new system was registered a new trade-mark MERKUR under which was selling. The first range of the construction set had a range of goods from Nö. 1 to Nö 3. At the time of thirtieth and fortieth years of the last century, the construction sets have expanded to Nö 7. Came boom of construction sets MERKUR. At that time arose now forgot kit of buildings METROPOL and POPULAR, where were used brand-new parts. In 1933 started to produce kits with possibilities to build some electric models MERKUR ELEKTRUS. Development carried on to the beginning of the Second World War only with small edits of boxes, instructions and parts.



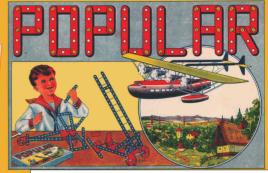




MERKUR Our selection of historical sets







Historical Merkur Popular produced in 1932







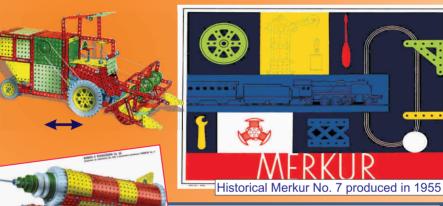


Historical Merkur Elektrus produced in 1933

Historical Merkur No. 7 produced in 1947



Historical Merkur No. 7 produced in 1950











Historical Merkur drive set M1 produced in 1970



Historical Merkur drive set M1 produced in 1982



The History

Metal construction set MERKUR was from 60. years exported by Metal-company Broumov exported to the whole Europe. Very interesting was that in English this kit was in instruction called as system Meccano. Original meaning of this word in English was kit, but this title was in 90. years infirmed

because of company MECANO, that demanded in International court in Haag compensation. For the reason of desappearance of the company Kovopodnik and Komeb, quarrel at law hadn't been handled. Came about a next change in numbering kits and arise kits M310, M320, M330 and M340.



After the Velvet revolution in 1989 was Kovopodnik in Broumov privatisationed. Thanks to ex-staff was made privatisation project and established company Komeb, which continued in producing construction sets MERKUR, but at the and of 1993 was the end.



Merkur No. 340 produced in 1987

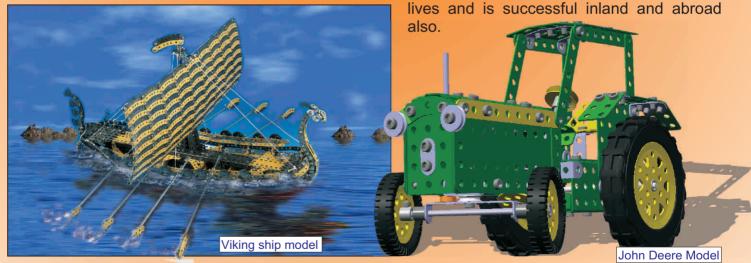
produced in 1988

At this time came Mr.Jaromír Kříž. He started making business in metal producing in the building, which obtained thanks to restitution after his grandfather.

First intention to buy a few machines from Komeb, but at the end arise idea to rent this company in liquidation and try to restore standing production of MERKUR. But a few days later was on the company Komeb proclaimed first competition in the Czech Republic, which complicated whole situation. Mr. Kříž didn't give it up and began to discuss with referee in bankruptcy about possibility of surrounding, because it wasn't possible to step back from run over production. After the long parley, during



three years he restored production and saved the best known toy in the Czech Republic. Company Meccano from France had an interest too, because of destroying his biggest competitor. Only too little lack and construction set MERKUR could stay in our memories. Happily it didn't happen and MERKUR



Every year the company come with a new type of the kit. In 2003 KITTY HAWK was made for the anniversary 100 years from the first brothers Wright fly. In 2004 MERKUR SAFARI set was novelty. Also were developed according to famous MERKUR ELEKTRUS new construction sets MERKUR ELEKTRO E1 and ELECTRONIC E2 for advances with electricity, magnetism and electronic. Besides the company produce electric demonstrational kit EMA in terms of educational programme "Energy for everybody" ČEZ company. Chief product is construction set M8, which contains 1405 parts including electric motor. In the last two years we have fixated on perfection of manuals to the kits MERKUR, which are now drawing in the peak computer program.



Electric trains history

About 1930 began development of the metal electric trains MERKUR. Originally were railway's vehicles drawn as offset to MERKUR set. They were manufactured as a construction sets lots, which were connected with screws and nuts. In Europe very popular size "O" was selected. Because were

required assemble products, independent train production was quickly developed. Head designer was Mr. František Jirman, sonin-law of Mr Vancl. Model for the first locomotive was at that time very popular express locomotive Mikádo. In unpretentious surroundings was model simplified. With locomotive were supplied four wheeler wagons -service, personal and cargo. Also this simplified model was very good at market that is why designer F. Jirman in 1935 suggested bigger type of express locomotive with axletree 1C1, which was against real shortened only of one axle on the front bogie. Locomotive was competed with eight-wheel tankengine and made very successful express formation. It was the successful beginning of the trains MERKUR, which became later the most widespread and the most favourite type of electrical trains in our country. In 1940 was production stopped because of wartime absence of non-ferrous metals. At that time was made limited edition of cars with bilingual protectorate mark CMD/BMB.









Production was restored after the war in 1947. Line of goods was completed step by step about new types of wagons like for example, flat wagon, stake, open and close cargo, railway tank and cooling wagon. Over the last period was original steam locomotive made up by epitome B1 in light blue colour.

Change came after the nationalization, which also affected in the second wave average and small producers and businessman's. At the beginning of the 50. years was Mr. Vancl's private company cancelled and production in 1953 became a part of The District combine in Broumov. In February in 1955 was presented a new request for registration of the trade-mark MERKUR and his construction set and trains with metals and transformer. Producing of this kit continued almost whole pre-war period. Trains definitely stopped its production in 1968. In further years were unfortunately tools for producing trains destroyed.



Restored train production started in 2003















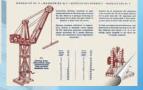
design. All metal components are traditionally made and are finished in "MERKUR" style colors. In the kit you will hardly find plastic parts and all partsare stored in paper liners or metal and paper boxes. In the kit MERKUR CLASSIC C04 a 90-page booklet performed in the 30 ties style. A beautifull manual designed for the construction of models from the MERKUR Classic C03, C04, C05 kits.



C 05

7 models

003444





360x270x50mm























ND 107 Beveled and angled plates





ND 108 Nuts and Bolts





ND 109

25 hole Strips



ND 110

ND 111 Small Plastic Flex Plates

Large Plastic

ND 112

ND 113 Tires





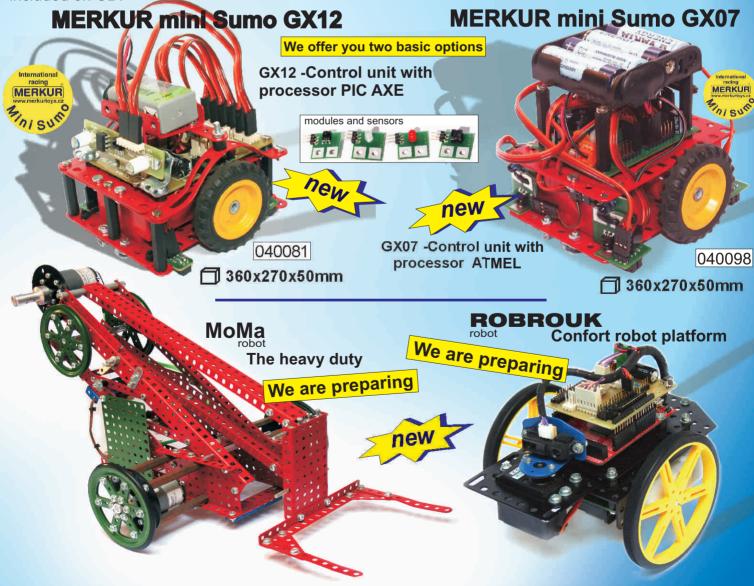
Quality working models of classic steam engines MERKUR

A quality model of a steam engine in which all the functions simulates a real steam engine. The model is suitable for driving mobile models. On the base plate, the housing are a steamboiler, accessory attachments, setam cylinder and crank mechanism situated. The steam is led through pipes to the cylinders. You need Esbit or a burning gel as a fuel. (not provided).





The Mini Sumo Type Robotic Construction Set is designed as an introduction to Robotic Construction Sets. You can extend this construction set by adding future models for example a sonar sensor and a color sensor. This is an Open Source, which you can use with other models (either commercial or homemade) or in connection with other systems for more complex applications. The complete manual is included on CD.



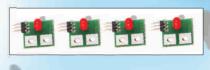


MERKUR ANT

Unique Reptile Walk Programmable Robotic Ant Construction Set. The movement is created by three servos. The Robot's basic remote control walk function is already programmed. This is also a Merkur Open Source, which can be equipped with various sensors, and easily connected to a motherboard and programmed for three functions.

360x270x50mm

Control unit with processor ATMEL +addition RC Control Panel







040159

Radio Control Kit for a Hexapod robot



High-Tech remote control six legged hexapod robot construction set. A four channel walky-talky is included. 2.4 GHz frequency without interference from other walkie-talkies. You can control other Merkur models with this walky-talky.

Suitable for individual development and school competition



360x270x50mm

ROBOTIC ARM

beta MINI

- Optional updating
- Internal memory
- Metal structure, including tools
- •Wonderful mechanical structure, and control system
- ·manual and programs on CD
- Including power supply
- PC compatible
- A serial interface and
- PC software included

Can bé connected to automation line Optional system of more than one robot at a time

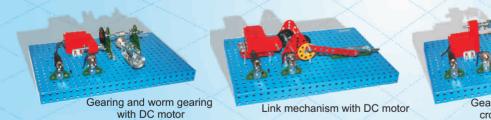
Complete equipment, servo motors, control unit, control software and etc...

040074 With servo motors, but without the control unit



Suitable for individual development and school competition









Demonstration experiments of Electrical Engineering and Mechatronics



EDM sensor and its programming



DC motors and programming



analog servo control and programming



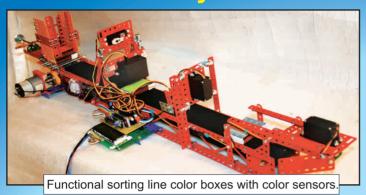
management and programming of sounds



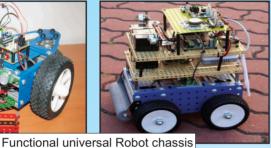
encoder controling speed and screen display

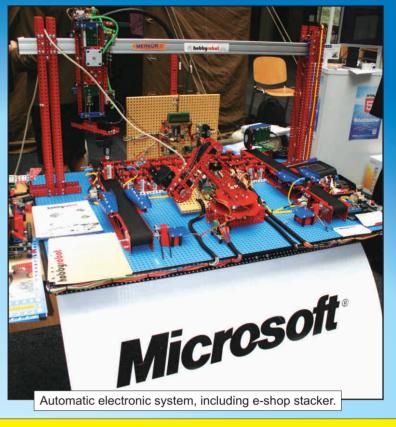
Mechatronic educational kits

ww.merkurtoys.cz





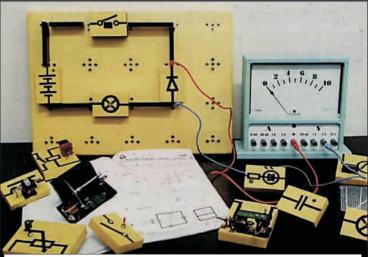




MERKUR has completely processed the educational kits for all types of schools.



World Champions in robotics in 2009, Marek Votroubek and Jan Král build more robots from a metal construction set MERKUR.



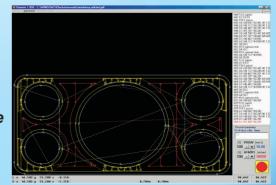
Experimental kit EMA with 60 basic instruction in electrical experiments. All the experiments are explained in detail and graphically presented.



www.merkurtoys.cz

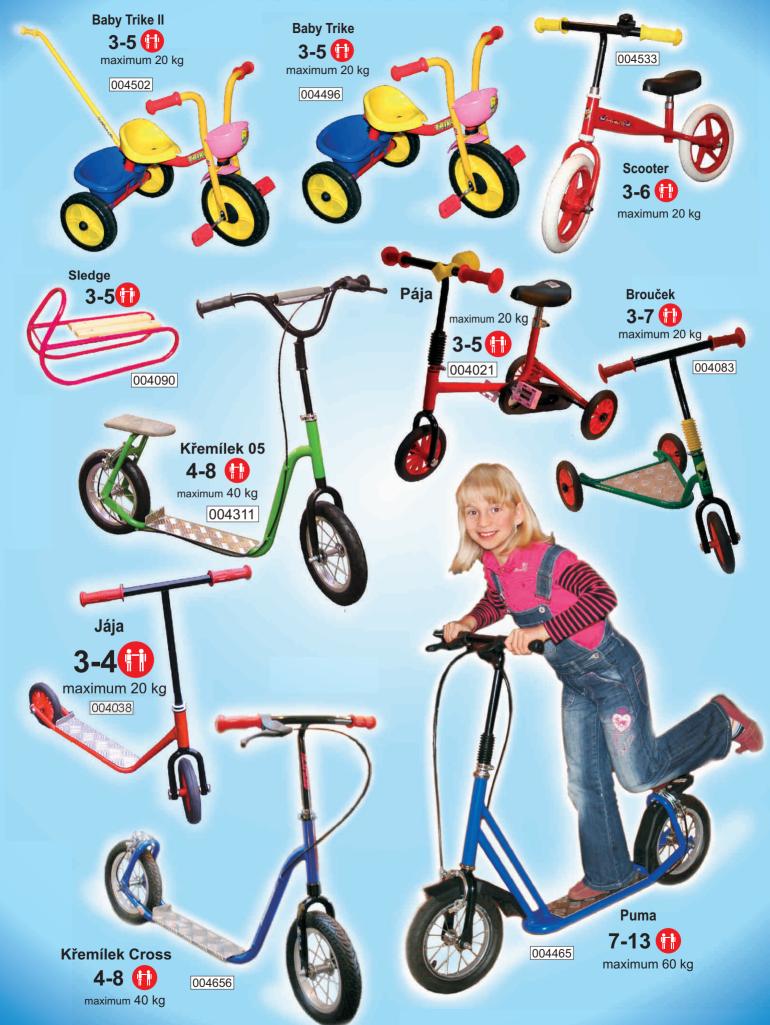
3D CNC Milling Machine

MC30



more information www.merkurtoys.cz

Kids' trikes and scooters





Salesman - Verkäufer



MERKUR TOYS s.r.o.

Husova 363
549 54 Police nad Metují
Czech Republic
Tel: + 420 491 541 227
merkur@merkurtoys.cz
sales@merkurtoys.cz
www.merkurtoys.cz



EUROPEAN UNION EUROPEAN REGIONAL DEVELOPMENT FUND INVESTMENT IN YOUR FUTURE.