



fischertechnik



Toy catalog

Understand technology
through play.

2026

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fischertechnik

JUNIOR 5+

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GETTING STARTED WITH THE WORLD OF FISCHERTECHNIK

ONE SYSTEM. ENDLESS POSSIBILITIES.

fischertechnik inspires with its unique combination of play and hands-on understanding of technology. High-quality products "Made in Germany" stand for quality, reliability, and long-lasting play value. Thanks to a wide range of product lines, children can get started as early as age 3 - with no upper age limit. The expandable construction system that grows with the user, along with its high level of compatibility and expandability, ensures long-term customer loyalty. Realistic, practice-oriented models make technology tangible - from mechanics and statics to electronics and pneumatics. With a strong STEM focus and reliable customer support, fischertechnik is a powerful brand in the toy retail market.

TEACHING & LEARNING

Discover, build, and learn - that's what fischertechnik stands for. For over 60 years, we have been developing construction systems for all age groups that promote sustainable learning. Educators around the world value their use in schools and universities. fischertechnik Education combines classical engineering with the digital world - because mechanics and robotics go hand in hand today.

SIMULATION

fischertechnik enables realistic simulation of industrial processes. The compact training models are ideal for training, demonstrations and smart factory applications. The learning factory and models are delivered fully assembled and operate using the 24-V industrial standard. The focus is on clearly illustrating digitally networked production processes.

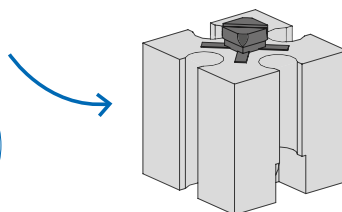
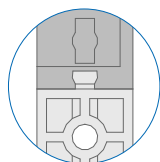


MADE IN
GERMANY

STEM MATHEMATIK
INFORMATIK
NATURWISSENSCHAFT
TECHNIK

STABILITY

The pin-and-slot connection creates an especially stable bond between the building blocks.



VERSATILITY

Additional building blocks can be attached on all six sides.

CREATIVITY

There are endless possibilities for unleashing your imagination.

WHERE CURIOSITY BECOMES KNOWLEDGE - AT ANY AGE!

3+ 4+ 5+ 6+ 7+ 8+ ... 14+

fischer 
FOR KIDS

fischer **TiP** 

miniMiNT

fischertechnik 

JUNIOR

ROBOTICS

GAMES

CONSTRUCTION SITE

DYNAMIC
MARBLE RUNS

TECHNOLOGY

RENEWABLE
ENERGIES

MAKER

SYMBOLS USED IN THE CATALOG

AGE

Age recommendation



eLearning



Number of parts



Number of models



Listed components
included

Didactic
support
material
available
online

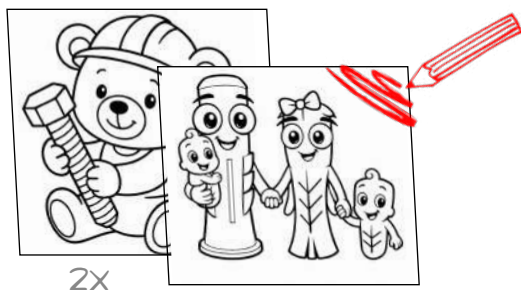
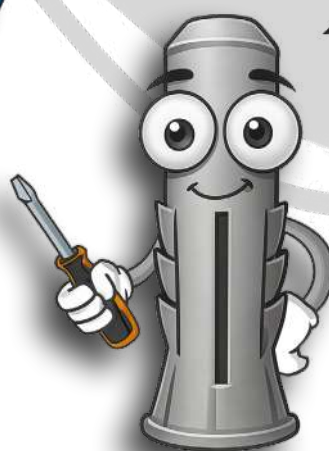


fischer FOR KIDS

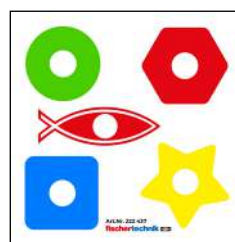


NEW
FROM APRIL
2026

SCREW, TINKER, AND FASTEN -
WITH THE THREE NEW FISCHER
FOR KIDS SETS, REAL WORKSHOP
FUN COMES TO THE PLAYROOM
FOR YOUNG BUILDERS AND
MAKERS AGED 3 AND UP.
THAT'S HOW SMALL IDEAS
TURN INTO BIG PROJECTS!



2X



4X



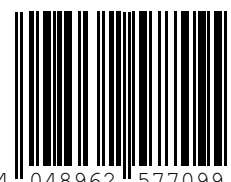
AGE 3+

13

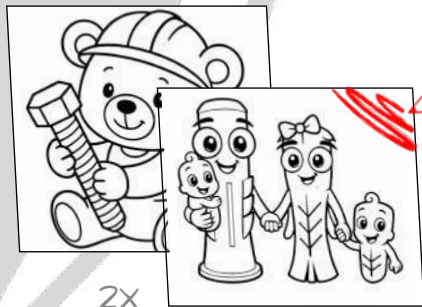
Item No.	579434
EAN	4048962577099
Dim. (mm)	200x200x105

Starter-Box

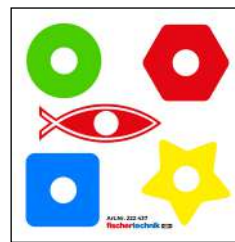
The Starter-Box is ideal for getting started and includes four Duo KID plugs, four screws, a screwdriver, a mounting board, a shape sheet, and two coloring pages. It provides everything needed for first building attempts and playfully encourages creativity and motor skills.



4 048962 577099



2X



AGE 3+

19



2X



6X

Item No.	579435
EAN	4048962577105
Dim. (mm)	200x200x200

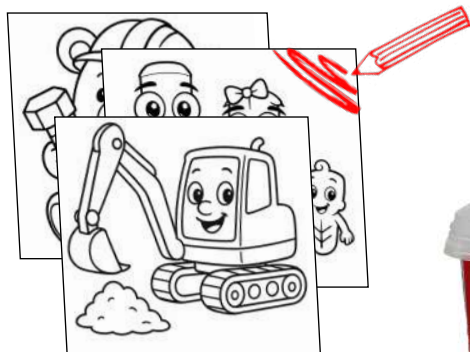
Builder-Box

The Builder-Box includes six Duo KID plugs, six screws, a screwdriver, two mounting boards, a connector, a shape sheet, and two coloring pages. By connecting multiple backing boards, larger and more complex constructions can be created - for even more building and play possibilities.



4 048962 577105

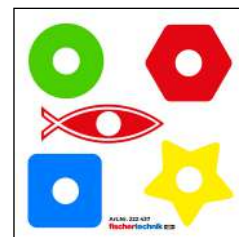
3X



3X



8X



AGE 3+

27



Item No.	579436
EAN	4048962577112
Dim. (mm)	290x250x215

Power-Box

The Power-Box for real pros offers an extensive set of components, including eight Duo KID plugs, eight screws, a screwdriver, three mounting boards, two connectors, a shape sheet, and three coloring pages. The highlight of the set is the safe, rechargeable cordless screwdriver for kids, which allows young builders to bring their projects to life quickly and comfortably.



4 048962 577112

BUILD NATURALLY. CHILD-FRIENDLY, CREATIVE, AND COMPLETELY SAFE!

With fischer TiP, crafting becomes an experience - no glue required, just a drop of water. The TiPs are made from renewable potato starch and colored with food dyes, making them eco-friendly, biodegradable, and completely safe. The tools are also manufactured from resource-saving bioplastics. fischer TiP combines creative fun with sustainability while playfully promoting motor skills, imagination, and the joy of creating.



TiP 300

Includes: colorful TiPs, sponge cloth, cutting tool, craft instructions



TiP 600

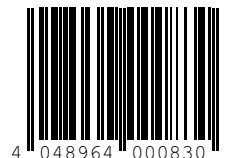
Includes: colorful TiPs, sponge cloth, cutting tool, craft instructions

Item No.	533781
EAN	4048964000823
Dim. (mm)	200x200x106



4 048964 000823

Item No.	533782
EAN	4048964000830
Dim. (mm)	200x200x200



4 048964 000830



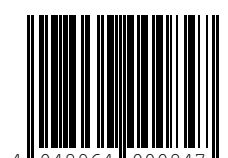
BIOPLASTIC TOOLS



TiP 1200

Includes: colorful TiPs, sponge cloth, cutting tool, craft instructions

Item No.	533784
EAN	4048964000847
Dim. (mm)	290x250x215



4 048964 000847



TiP Unicorn 600

Fly with the unicorn into a world of fantasy and dream of colorful rainbows.

Includes: colorful TiPs, sponge cloth, cutting tool, craft instructions unicorn



TiP Alpaca 600

Set off on an exciting journey to South America with the alpaca bucket.

Includes: colorful TiPs, sponge cloth, cutting tool, craft instructions alpaca

Item No.	540824
EAN	4048962281569
Dim. (mm)	200x200x200



Item No.	548968
EAN	4048962353532
Dim. (mm)	200x200x200

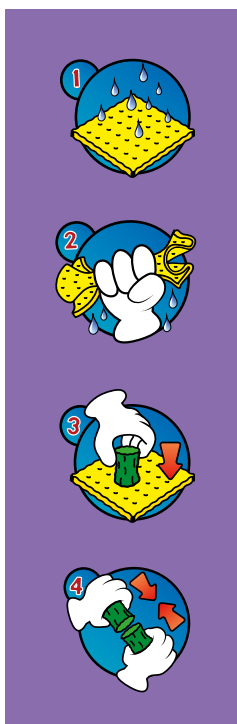
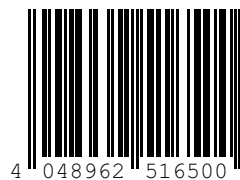


TiP Creative Box XXL

Including: colorful TiPs, 8 sponge cloths, 8 cutting tools, 4 painting and gluing hats, 4 building block shapers, 10 sticks, 4 craft instructions, contour cardboard



Item No.	571890
EAN	4048962516500
Dim. (mm)	610x460x445



TiP Box XL

Including: colorful TiPs, 8 sponge cloths, 8 cutting tools, 4 painting and gluing hats, 4 building block shapers, 10 sticks, 4 craft instructions, contour cardboard



TiP Refill Box XL

Including: colorful TiPs, craft instructions, contour cardboard

Item No.	49114
EAN	4037354491143
Dim. (mm)	580x385x285



Item No.	49115
EAN	4037354491150
Dim. (mm)	580x385x285



miniMiNT

NEW
FROM JUNE
2026

**BUILD SUSTAINABLY.
UNDERSTAND TECHNOLOGY.
CREATE CREATIVELY..**

The 12 sustainable wooden construction kits make real technology tangible through play and introduce a wide range of STEM topics such as solar energy, mechanics, and balance. The models can also be painted and customized for even more creativity and personal play fun. Thanks to an attractive entry-level price, high learning value, and quick success experiences, the kits have strong collectability and encourage repeat purchases. Ideal for children ages 8 and up.



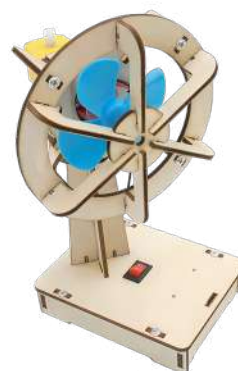
**PACKAGING
EXAMPLE**



SunCharger

Soak up the sun and drive off! Powered by light, the car clearly demonstrates how solar energy creates motion.

Item No.	579972
EAN	4048962581751
Dim. (mm)	165x265x55



BreezeBuddy

Spin the technology! The fan sets air in motion and makes electricity visible and tangible.

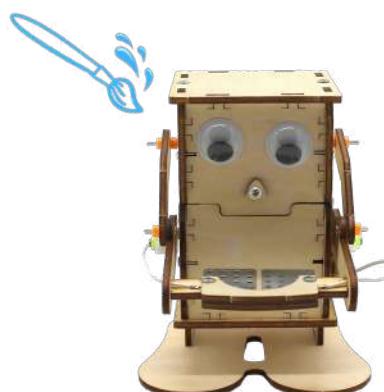
Item No.	579973
EAN	4048962581768
Dim. (mm)	165x265x55



LunaRover

Ready for the moon! Powered by sunlight, the rover demonstrates solar energy just like real space vehicles.

Item No.	579974
EAN	4048962581775
Dim. (mm)	165x265x55



GreedyBot

Insert a coin - action starts! The robot detects metal and collects it - electricity you can marvel at.

Item No.	579975
EAN	4048962581782
Dim. (mm)	165x265x55





MechaDino

The dino is on the move! Motor and mechanics set its legs in motion - technology with prehistoric power.

Item No.	579978
EAN	4048962581812
Dim. (mm)	165x265x55



OrbitLab

Sun, Earth, and Moon in motion! Orbital paths are clearly illustrated, making the solar system easy to understand.

Item No.	579973
EAN	4048962581829
Dim. (mm)	165x265x55



SkyTwin

Two motors, double the power! The airplane glides across the table and shows how mechanics create motion.

Item No.	579981
EAN	4048962581843
Dim. (mm)	165x265x55



GlowTouch

Light at a touch! Discover sensors and light - no switches required.

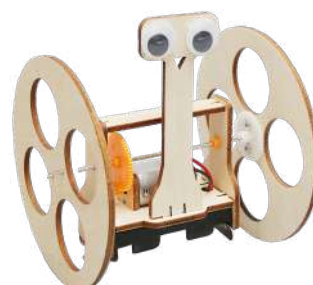
Item No.	579982
EAN	4048962581850
Dim. (mm)	165x265x55



HelioCopter

Light on - rotor spinning! Your helicopter shows how solar energy creates motion.

Item No.	579983
EAN	4048962581867
Dim. (mm)	165x265x55



GyroDrive

Two wheels - no tipping over! The GyroDrive keeps its balance and gets moving - experience balance and mechanics in action.

Item No.	579984
EAN	4048962581874
Dim. (mm)	165x265x55



Light Weaver

Light on new paths! Glowing fibers show how light can be guided.

Item No.	579986
EAN	4048962581881
Dim. (mm)	165x265x55



NovaGlow

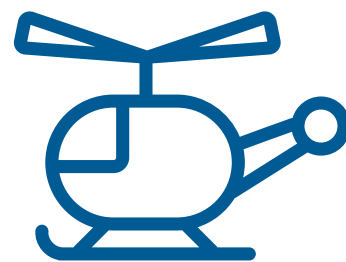
The starry sky at home! The projector creates constellations and playfully explains optics.

Item No.	579987
EAN	4048962581904
Dim. (mm)	165x265x55



fischertechnik 

CONSTRUCTION KITS



UNDERSTAND TECHNOLOGY THROUGH PLAY.

The fischertechnik construction kits for ages 5 and up offer realistic models with a wide range of variation options. From basic building blocks to detailed technical components, all elements can be flexibly combined. Exciting, up-to-date technology topics such as pneumatics, statics, renewable energy, and robotics combine solid learning with a high level of play value for the playroom. This makes fischertechnik an age-appropriate and successful introduction to the world of technology.



JUNIOR

The fun of playing with fischertechnik begins as early as age five. The JUNIOR line offers a first introduction to technology and how it works. Learning through play and building with quick success are the key focus areas.

Junior Max

With the Junior Max construction kit, young builders playfully discover technology and sustainability. Ten varied models - from a solar-powered figure and wind turbine to realistic machines such as a helicopter, tractor, and lawn mower - promote motor skills, creativity, and spatial thinking through play.



- AGE 5+
-  10  91
-  Solar-Rotor, Bucket



Item No.	576101
EAN	4048962549256
Dim. (mm)	317x230x81



Junior Pro

With Junior Pro, young tinkerers can control, fly, and drive their own vehicles based entirely on their own ideas. Whether extinguishing fires with a fire engine and fire-fighting drone or transporting cargo with a freight car, the seven models provide varied play fun and ever-new adventures.

- AGE 5+
-  7  81
-  Syringe



Item No.	576100
EAN	4048962549249
Dim. (mm)	280x180x65



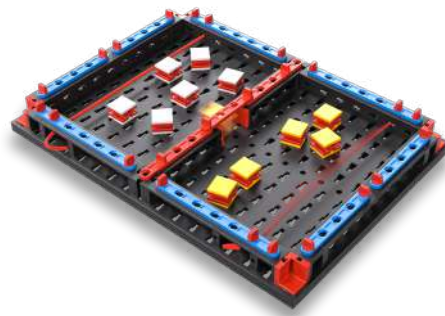


GAMES

Interactive fun for the whole family with fischertechnik GAMES - including game instructions!

Slide Battle

The goal of the game is to clear your own playing field before your opponent does. Both players act simultaneously: rubber bands are stretched, game pieces are shot through the gate into the opponent's field, and speed determines victory. A fast-paced game that encourages quick reactions, dexterity, and a competitive spirit.



AGE 7+

1*

102

* Included as a game in the "Build Your Own Game" construction kit.

Item No.	569014
EAN	4048962492705
Dim. (mm)	280x80x65



Pinball

Insert the ball, tension the spring - let's go! The ball is launched onto the playing field, where it encounters various obstacles that influence its path. Excitement until the very end: which numbered field will the ball land in, and who will score the most points? An action-packed game full of dynamics and surprises.



AGE 7+

1*

89

* Included as a game in the "Build Your Own Game" construction kit.

Item No.	569015
EAN	4048962492712
Dim. (mm)	280x180x65



Labyrinth

Who can prove their skill and manage to guide the ball safely through the labyrinth? Playing solo or as a team, the goal is to balance the ball from the starting point across ramps and through the loop without it getting lost - or even falling off.



AGE 7+

1*

61

* Included as a game in the "Build Your Own Game" construction kit.

Item No.	569016
EAN	4048962492729
Dim. (mm)	280x180x65



Ping Pong Bowling

With the right combination of skill and luck, this game can be won. First, it's all about careful aiming and a precise throw. If the ping-pong ball lands in the funnel, it begins its journey toward the pins waiting at the end of the course to be knocked over. Who can hit the most pins?



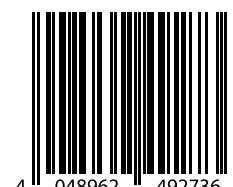
AGE 7+

1*

114

* Included as a game in the "Build Your Own Game" construction kit.

Item No.	569017
EAN	4048962492736
Dim. (mm)	280x180x65



Build your own game

One construction kit, eight different board and skill games - Build Your Own Game never gets boring! Roulette, the wheel of fortune, pinball, and more can be played alone or with multiple players, creating long-lasting fun for the whole family. In addition to building instructions, game instructions are also included.



AGE 7+

8

304

Item No.	564067
EAN	4048962458541
Dim. (mm)	320x230x80



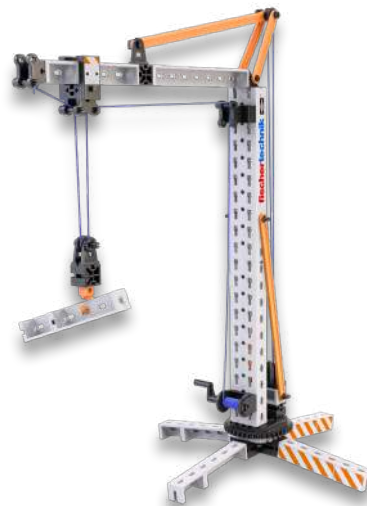


CONSTRUCTION SITE

Understand and develop technology - from age 7 and up. Realistically designed models with simple functions enable a quick start while expanding technical knowledge and skills. The robust design ensures a long-lasting and sustainable play experience.

Crane

The crane brings real construction-site atmosphere into the playroom. After easy assembly, the crane can be rotated and moved and uses a hand crank to lift various objects - just like on a real construction site.



AGE 7+

1

88

Item No.	576103
EAN	4048962549270
Dim. (mm)	280x180x65



Digger

The excavator is the highlight of any construction site. Thanks to its robust track belts, it handles a variety of terrain, while the movable bucket is ideal for digging foundations and transporting material. A powerful model for authentic construction-site adventures in the playroom.



FRONT
AND REAR
VIEW:

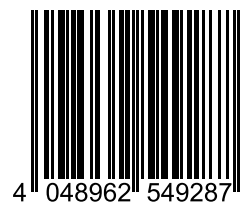


AGE 7+

1

125

Item No.	576104
EAN	4048962549287
Dim. (mm)	280x180x65



Truck

The truck impresses with its movable dump bed and large wheels, making it highly versatile. After easy assembly, it's ready to load and transport right away - for realistic construction-site fun.



FRONT
AND REAR
VIEW:

AGE 7+

1

52

Item No.	576105
EAN	4048962549294
Dim. (mm)	226x149x65



Loader

With its tilting front loader, the wheel loader easily handles even heavy loads. Large wheels provide secure stability and reliable operation - even on rough terrain.



FRONT
AND REAR
VIEW:

AGE 7+

1

73

Item No.	576106
EAN	4048962549300
Dim. (mm)	226x149x65



Tractor

The fischertechnik tractor brings power straight to the construction site. With its large wheels, it moves confidently across any terrain. All building materials can be transported in its trailer.



FRONT
AND REAR
VIEW:

AGE 7+

1

58

Item No.	576107
EAN	4048962549317
Dim. (mm)	226x149x65





LIEBHERR

With the licensed Liebherr construction machines, fischertechnik launches a powerful new model line. Detailed engineering, high-quality execution, and authentic construction site realism impress across the board. The range will be expanded and supplemented with additional exciting models in the future.

NEW
3 SETS (p. 19)
FROM
JUNE 2026

R 938 Pneumatic Excavator

Experience the fascination of a true-to-detail hydraulic excavator - with the Liebherr R 938 Pneumatic Excavator from fischertechnik. This high-quality model impresses with realistic movement sequences, controlled via a pneumatic compressor, manual valves, and precise exhaust flow restrictors. Challenging construction fun makes technology tangible - ideal for anyone who values attention to detail and premium building projects.

AGE 10+

1

658

Pneumatic compressor, 3x manual valves, 4x pneumatic cylinders 60, 3x exhaust flow restrictors



Item No.	576450
EAN	4048962551686
Dim. (mm)	460x390x80

+eLearning



4 048962 551686

Crawler Crane

With the crawler crane construction kit, technology enthusiasts can experience the fascination of modern construction machinery in miniature form. Inspired by the original Liebherr LR 1110, the model impresses with realistic design, well-engineered construction, and impressive lifting and motion functions.

- AGE

7+
- 1
- 200*
- Winches and cables, Crawler tracks, Structural elements, Figure

Item No.	579431
EAN	4048962577068
Dim. (mm)	317x230x81



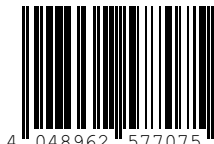
Double Pack Construction Vehicles

With the Liebherr Double Pack Construction Vehicles, young and older builders get two powerful construction machines in one set. The dump truck and telescopic handler - with pallet fork and bucket - can be built at the same time and, together with construction worker figures and TiP material, enable realistic role play and lively construction-site scenarios.

- AGE

7+
- 2
- 220*
- Dump bucket, Bucket, Wheels, 2 figures, fischer TiP material

Item No.	579432
EAN	4048962577075
Dim. (mm)	317x230x81



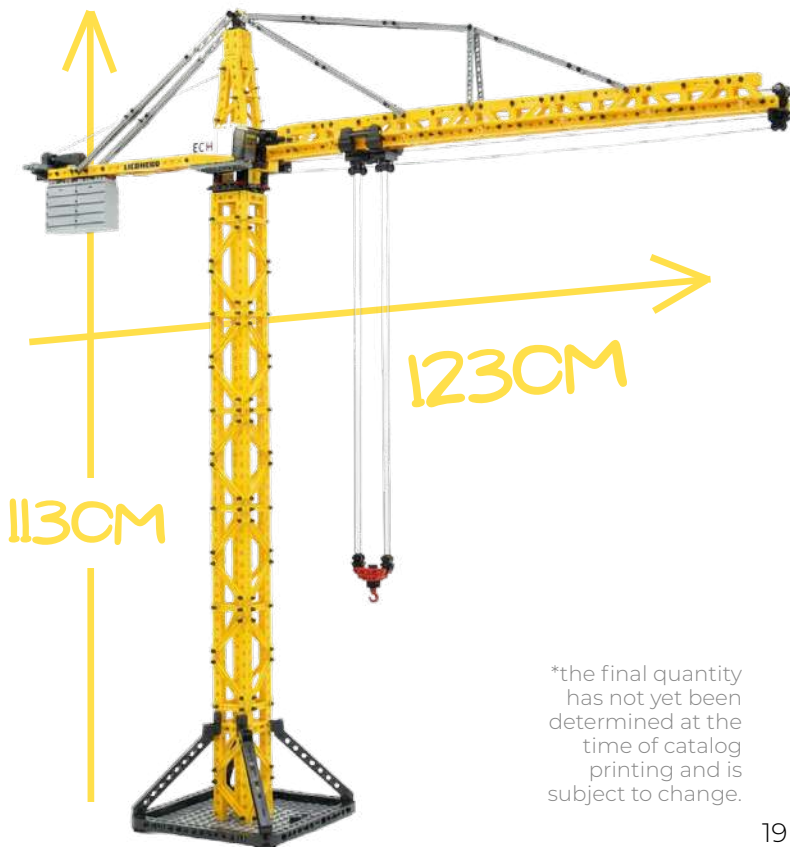
High-Top EC-H Crane RC

Challenging construction fun - with the Liebherr HighTop EC-H Crane RC, technology enthusiasts experience modern crane technology in impressive detail. The high-quality construction kit enables realistic lifting, rotating, and jib movements and can be conveniently controlled via the BT Control App thanks to its motors and Bluetooth control.

- AGE

10+
- 1.035*
- 1
- Structural elements, Winches, 3 motors, BT receiver, Figure

Item No.	579438
EAN	4048962577129
Dim. (mm)	460x390x80

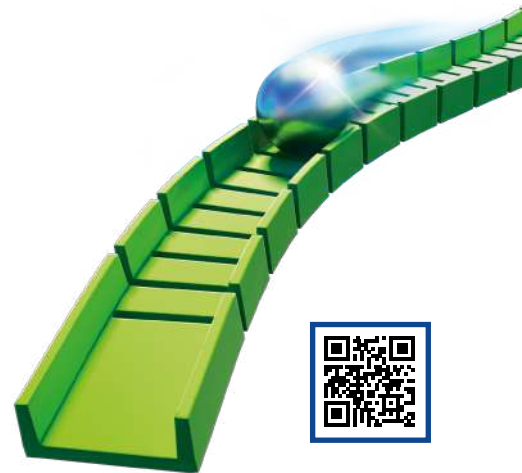


*the final quantity has not yet been determined at the time of catalog printing and is subject to change.

MARBLE RUNS

SPEED, TECHNOLOGY, MARBLE FUN

The marbles race at high speed along flexible tracks through action-packed courses - past funnels, tubes, seesaws, sound tubes, and LED lights. The versatile elements ensure variety and ever-changing track layouts. Thanks to the compatibility of all Dynamic and Marble Competition marble runs, countless additional courses can be built based on your own ideas, delivering limitless building and play fun.



Dynamic S

The marble starts its run, accelerates, and reaches the diverter switch, which directs it into two different track loops. In the main model, it passes through several 90° curves, crosses a seesaw, and travels through a sound tube before being collected at the end of the track for easy removal. Using the versatile components, three marble run models can be built following the instructions.



MODEL
HEIGHT:
28CM

AGE 7+

3

141

Sound tube, Seesaw

Item No.	536620
EAN	4048962250275
Dim. (mm)	230x320x80



4 048962 250275 >

Dynamic M

On their rapid descent, the steel balls set the sound tubes ringing. At the end of the course, they are transported back to the top via a manually operated chain lift - motorization is optionally available. Ideal additions: Motor Set XS & LED Set.



MODEL
HEIGHT:
44 CM

AGE 7+

4

557

Spiral funnel, Sound tubes, Diverter switch

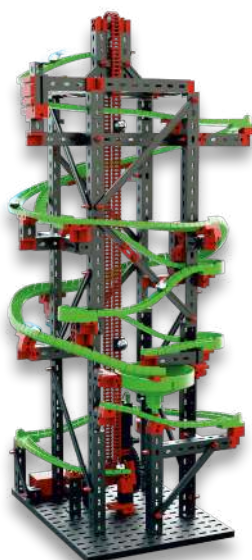
Item No.	533872
EAN	4048962229707
Dim. (mm)	465x320x80



4 048962 229707

Dynamic L2

The Dynamic L2 complete set delivers even more marble run fun with action-packed models and three 180° curves. Three varied courses with track lengths of up to 4,5 m, high-speed flexible tracks, a mechanical switch, loop, seesaw, and a motor-driven lift ensure fast-paced action and ever-changing layouts. The play experience is enhanced by educational experiment models that clearly explain physical phenomena such as acceleration, force equilibrium, and conservation of energy; accompanying content and videos are available in the eLearning portal.



MODEL
HEIGHT:
62CM

AGE 9+

7

778

XS motor, High-speed flexible tracks, Diverter switch, Spiral funnel, Battery holder for 9V block battery (battery not included)

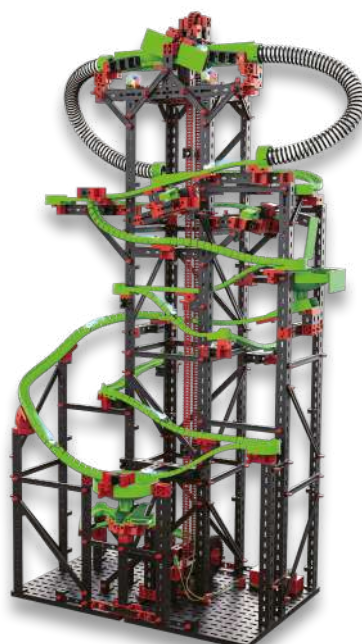
Item No.	536621
EAN	4048962250282
Dim. (mm)	465x390x80

+ eLearning



Dynamic XXL

Higher, faster, more action: at nearly 90 cm tall and with track lengths of up to 5,6 m, numerous features deliver spectacular marble run experiences. A loop, quarter pipe, jump loop, and flexible track layouts guarantee maximum variety. The motor-driven chain lift returns the marbles to the top after each run - for endless play fun.



MODEL
HEIGHT:
86CM

AGE 9+

3

1.365

XS motor, Rainbow LEDs, Flexible tubes, High-speed flexible tracks, Diverter switches, Spiral funnels, Battery holder for 9V block battery (battery not included)

Item No.	544619
EAN	4048962316254
Dim. (mm)	465x390x80

+ eLearning





Marble Competition

Whether playing solo or in a team of up to four players, Marble Competition offers three exciting racing models for interactive, long-lasting fun. Each participant chooses a marble color, and daring overtaking maneuvers begin across high-speed flexible tracks and wide 180-degree curves. Adjustable obstacles slow down or stop the marbles, keeping the race thrilling until the very end.

AGE 8+

3

697

Colorful marbles for multiplayer mode

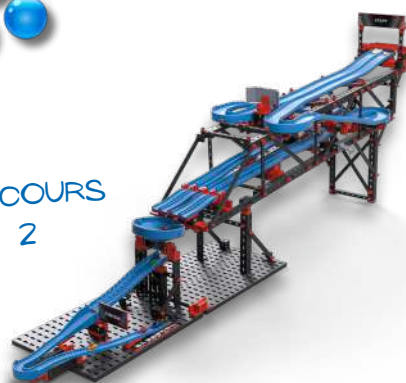
Item No.	564070
EAN	4048962458572
Dim. (mm)	465x320x80



PARCOURS 1



PARCOURS 2

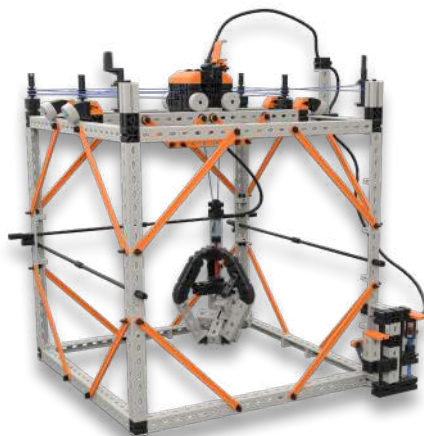


PARCOURS 3



Universal Ultimate

Universal Ultimate is the largest set in the fischertechnik Universal line. Using numerous large components, impressive kinematic models such as a pick-and-place machine or tripod gripper can be built. Pneumatic cylinders and suction cups enable fascinating movements without the need for motors - delivering creative building and play fun as well as exciting challenges for technology enthusiasts.



AGE 10+

4

525

Item No.	576102
EAN	4048962549263
Dim. (mm)	460x390x80



Universal Max

With Universal Max, getting started in the world of technology is easy and playful. Models such as a race car, helicopter, or forestry gripper clearly demonstrate basic technical principles. Appealing colors and molded parts add extra building and play fun.



AGE 7+

10

375

Item No.	571904
EAN	4048962516654
Dim. (mm)	465x320x80



Universal Pro

Fun gadgets such as the paper airplane launcher or the egg-painting machine introduce basic technical principles. Appealing colors and versatile molded parts open up additional creative possibilities.



AGE 7+

10

217

Item No.	571903
EAN	4048962516647
Dim. (mm)	320x230x80



E-Tronic

E-Tronic teaches the basics of electronics step by step - from simple circuits and series and parallel connections to circuits with transistors, resistors, and LEDs. The E-Tronic module offers 16 fixed programs, two motor outputs, as well as analog inputs for sensors and speed control.



AGE

9+

16

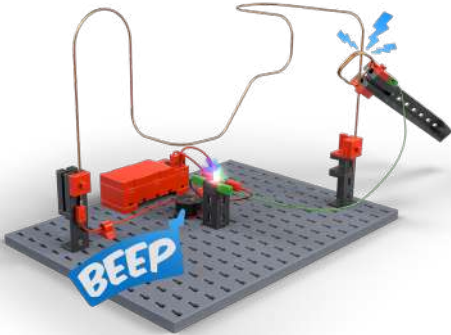
340

E-Tronic module, Push button, Reed switch, XS motor, Transistors, Resistors, Capacitor, LEDs, Battery holder for 9V block battery (battery not included)

Item No.	559883
EAN	4048962424645
Dim. (mm)	465x320x80

E-Tec

From simple circuits with a polarity-reversing switch to series and parallel circuits, as well as a continuity tester and either-or circuits, this construction kit teaches the most important concepts of electrical engineering in an entertaining way. In addition, the technical aspects are illustrated through fun skill games such as the "Hot Wire," encouraging curiosity and creativity.



AGE

8+

11

112

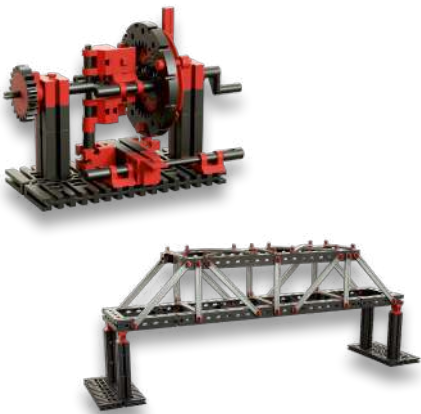
Rainbow LED, Buzzer, Aluminum wire

Item No.	571905
EAN	4048962516661
Dim. (mm)	320x230x80

+ eLearning

Mechanic + Static 2

Mechanics and statics combined in one construction kit - for all future machine builders, technicians, and engineers. How does a universal joint drive or a manual transmission work? What is a planetary gear? How do you design a stable bridge? Ideal addition: Battery Pack.



AGE

9+

30

500

XS motor, Battery holder for 9V block battery (battery not included)

Item No.	536622
EAN	4048962250299
Dim. (mm)	465x320x80

+ eLearning



Strong Pneumatics

Discover the basics of pneumatics through six realistic models such as a log gripper, front loader, and rotary rake. The operating principles are clearly illustrated using the included technical components such as a compressor, pneumatic valves and cylinders, and an exhaust flow control valve. Ideal addition: Battery Pack.



AGE 9+ 6 660

Compressor, Double-acting cylinders, Exhaust flow restrictors, Manual valves, Battery holder for 9V block battery (battery not included)

Item No.	559876
EAN	4048962424577
Dim. (mm)	465x320x80

+ eLearning



Pneumatic Power

The "little brother" of Strong Pneumatics (see above) is Pneumatic Power. Air is manually pumped into an air reservoir. By operating the manual valves, the compressed air flows through the hoses into the pneumatic cylinders. The included exhaust flow restrictor allows precise control of the cylinders.



AGE 8+ 5 210

Pneumatic and pump cylinders, Manual and check valves, Air reservoir, Exhaust flow restrictor

Item No.	533874
EAN	4048962229721
Dim. (mm)	320x230x80

+ eLearning





SPACE WORLD

With fischertechnik Space World, a fascinating space station comes to life, combining technology, research, and adventure. Three individually configurable space modules form the heart of the station and allow for ever-changing layouts. A highlight is the space garden, where real cress can be grown - hands-on research you can experience. Glowing LED strips, a circuit board with adjustable running lights and control circuits, and a motor bring the space station to life. A flying drone with distance detection and a driving robot with line detection enable exciting missions. Three play figures - one astronaut and two children - invite creative role play and make Space World the perfect setting for your own space adventures.

AGE 8+

80*

Space garden incl. cress, Circuit board with adjustable running light and control circuits, 2x LED strips, 1x motor, 3 space modules (individually configurable), Drone with distance detection, Driving robot with line detection

Item No.	579433
EAN	4048962577082
Dim. (mm)	460x390x162*



WITH 3 COOL
NEW PLAY
FIGURES

+eLearning



4 048962 577082

* The final figures have not yet been determined at the time of catalog printing and are subject to change.

SPACE- GARDEN



SPACE- STATION



DRIVING ROBOT WITH LINE DETECTION



DRONE WITH DISTANCE DETECTION





RENEWABLE ENERGIES



Green Energy

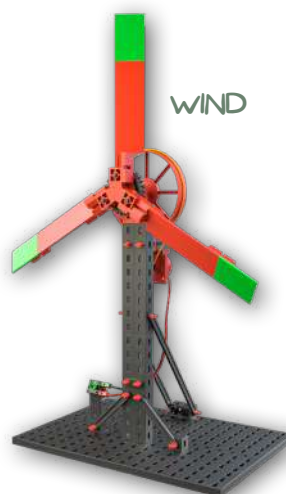
Climate and environmental protection are integral parts of our future - renewable energy has long been inspiring curiosity even in the playroom. Fourteen varied models focused on the generation, storage, and use of electricity from natural energy sources demonstrate how wind, water, and solar power can set models in motion, clearly and playfully explaining technical relationships. As an ideal addition, the H2 Fuel Cell Car construction kit expands the topic with two additional fuel-cell-powered models, making sustainable forms of energy even more tangible.

AGE 9+

14

339

Solar modules (1 V), Solar motor, Goldcap capacitor, LED



WIND

Item No.	559879
EAN	4048962424607
Dim. (mm)	465x320x80

+eLearning



4 048962 424607

WATER



SOLAR



SaltPower Racer

With the fischertechnik SaltPower Racer, renewable energy becomes tangible. A saltwater-based galvanic cell generates electrical energy that directly powers the model vehicle's motor, making energy conversion visible.

AGE 8+

1

80*

+ eLearning



4 048962 589139

Electrochemical saltwater cell for self-assembly

Item No.	581211
EAN	4048962589139
Dim. (mm)	280x180x65



* The final figures have not yet been determined at the time of catalog printing and are subject to change.

H₂ Fuel Cell Car

The H₂ Fuel Cell Car construction kit makes the functioning of fuel cells and hydrogen as a drive technology easy to understand through hands-on experience. Self-generated hydrogen powers the model car, playfully demonstrating how this future technology works. The set is ideally complemented by Green Energy, which enables the construction of two additional models.



AGE 9+

1

117

+ eLearning

Fuel cell with 3 V power supply (up to 1 A), Fuel cell motor

Item No.	559880
EAN	4048962424614
Dim. (mm)	320x230x80

+ eLearning



4 048962 424614



Solar Power

By generating electricity from solar energy using a solar module, the helicopter, airplane, wind turbine, and carousel really get moving.



AGE 8+

4

167

+ eLearning

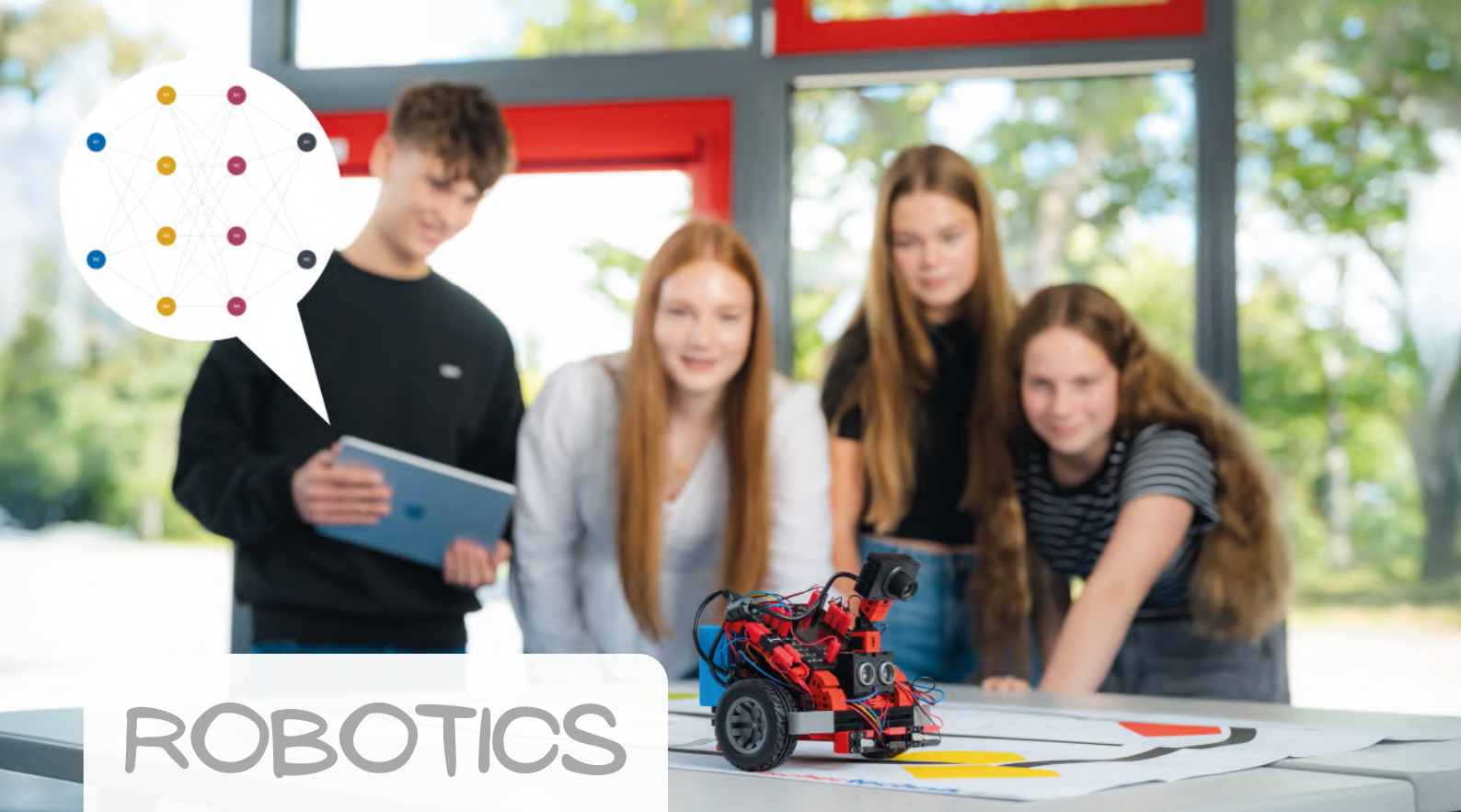
Solar module (1 V), Solar motor

Item No.	559882
EAN	4048962424638
Dim. (mm)	320x230x80

+ eLearning



4 048962 424638



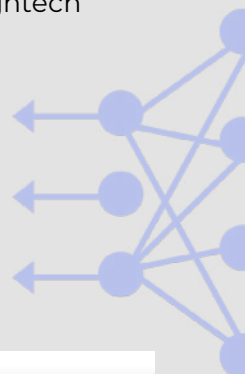
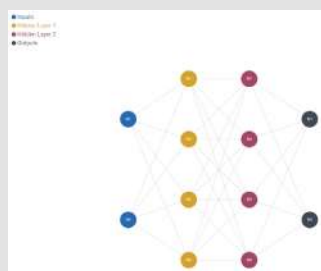
ROBOTICS

Using an easy-to-use graphical software interface, fischertechnik models and robots can be programmed and controlled via PC or tablet. Operation via smartphone app is also possible. As a special highlight, the forward-looking topic of **ARTIFICIAL INTELLIGENCE** is also integrated, opening up new and exciting application possibilities (compatible with Smart Robots Max (RX Controller) and Robotics Hightech (TXT 4.0 Controller)).

CREATING THE NEURAL NETWORK:

The tool makes it easy and intuitive to create and train your own neural network.

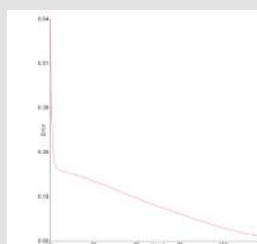
1



TRAINING THE NEURAL NETWORK:

Using existing data or data collected via sensors, the neural network is trained.

2

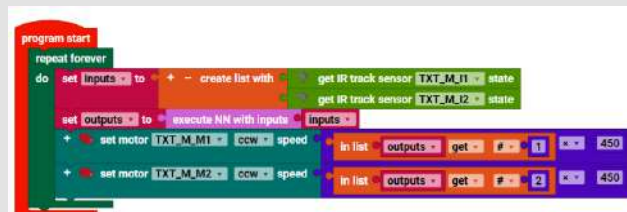


Training Data				
Input 1	Input 2	Output 1	Output 2	
0	0	1	1	×
0	1	0.8	0.1	×
1	0	0.1	0.8	×
1	1	0	0	×

INTEGRATION INTO THE PROGRAM:

After the training is complete, an AI block is generated that can be used in programs to intelligently control motors, LEDs, or other actuators.

3



REAL-TIME EXECUTION:

The trained model runs directly on the controller, without the need for a computer to be permanently connected.

4





Smart Robots Pro

The beginner all-in-one package for ages 8 and up provides an easy introduction to the world of programming. Models such as a driving robot with obstacle detection, a carousel with flashing lights, temperature control, or an alarm system clearly and practically convey the basics. Control is handled via the BT Smart Controller with sensor and motor outputs as well as USB and Bluetooth interfaces; the ROBO Pro Coding software ensures intuitive and easy-to-understand programming.



AGE 8+

12

362

BT Smart Controller, XS motors with gearboxes, LEDs, Push buttons, Temperature sensor (NTC resistor), Light barrier (phototransistor), Reed switch, Magnet, Battery holder for 9V block battery (battery not included)

Item No.	569021
EAN	4048962492774
Dim. (mm)	465x80x320

+ eLearning



4 048962 492774

BT Smart Controller



- Processor – 32-bit Cortex-M0
- Control unit that connects the PC/ tablet to the model
- 2 outputs for actuators
- 4 inputs for sensors
- USB and Bluetooth 4.0 interface



Information on the ROBO Pro Coding software can be found on page 34





Smart Robots Max

The RX Controller and the ROBO Pro Coding software bring nine exciting models to life. The graphical programming software is operating-system independent and can also be used on mobile devices. From simple beginner models and driving robots to a fun dancing robot, there is something for everyone. A highlight of this construction kit is the omni-wheels, which are driven by four motors and allow movement in any direction. Additional highlight components include the track sensor and the RGB gesture sensor.



AGE 10+

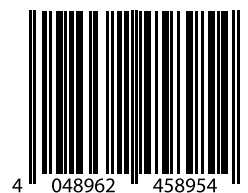
9

530

RX Controller, Omni-wheels, Mini motor, IR track sensor, RGB gesture sensor, Push button, USB connection cable and 6-pin extension cable, Battery holder for 6 AA batteries (batteries not included)

Item No.	564111
EAN	4048962458954
Dim. (mm)	465x320x80

+eLearning



RX Controller

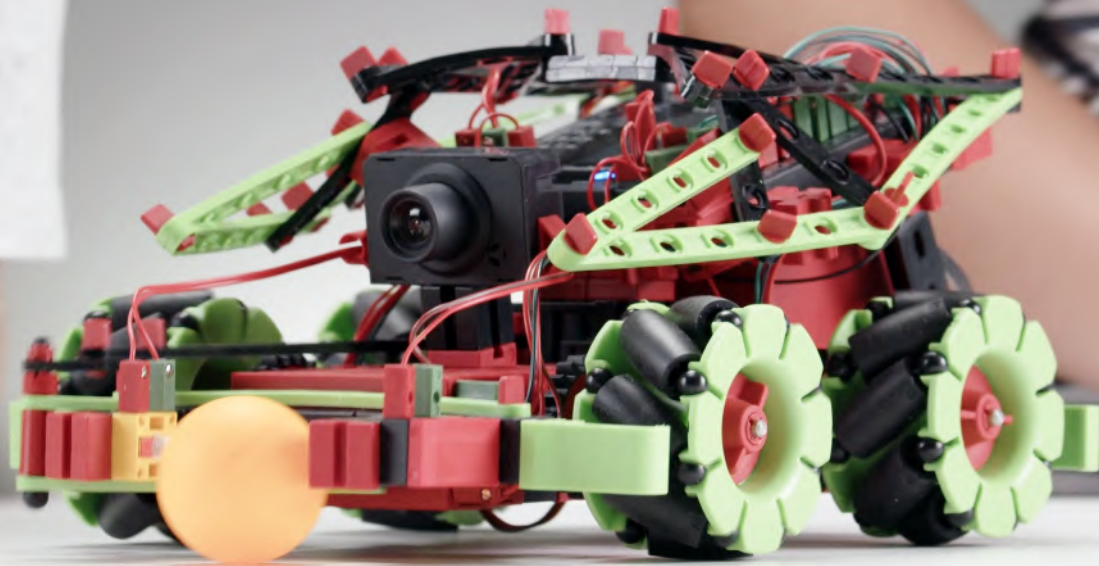


- Flat design, dimensions: 90 × 90 × 17.5 mm
- 8 universal inputs
- 4 motor outputs with continuously variable speed control and short-circuit protection, alternatively 8 individual outputs (e.g., for LEDs)
- USB 2.0 client: mini USB socket for connection to a PC

- Bluetooth 4.0 LE interface
- 2x 6-pin pin headers: I²C interface for sensors
- Power supply: 9 V DC jack (3,45 mm) or fischertechnik sockets (2,5 mm)

Information on the ROBO Pro Coding software can be found on page 34





Robotics Hightech

Program like the pros with the Robotics Hightech complete set! Nine exciting models are ready to be brought to life. The beginner models provide an easy-to-understand introduction to the world of robotics and programming, while more advanced users can jump straight into the high-end models, such as the drawing robot or ball robot. One of the many highlights of this construction kit is the omni wheels, which are driven by four encoder motors and allow movement in any direction. Also included is the fischertechnik camera with image processing, enabling applications such as a soccer robot that can detect the ball - shoot and score! Together with the ROBO Pro Coding programming software, the fischertechnik TXT 4.0 Controller offers a wide range of features (see next page). Additional actuators and sensors in the kit include a servo motor, an infrared track sensor, and an ultrasonic distance sensor.

AGE 10+

9

580

TXT 4.0 Controller, USB camera (1 MP), Encoder motors, Servo motor, Ultrasonic sensor, Push button, LEDs, IR track sensor, USB connection cable, Rechargeable battery and charger

Item No.	559895
EAN	4048962424768
Dim. (mm)	465x320x80

+ eLearning



4 048962 424768



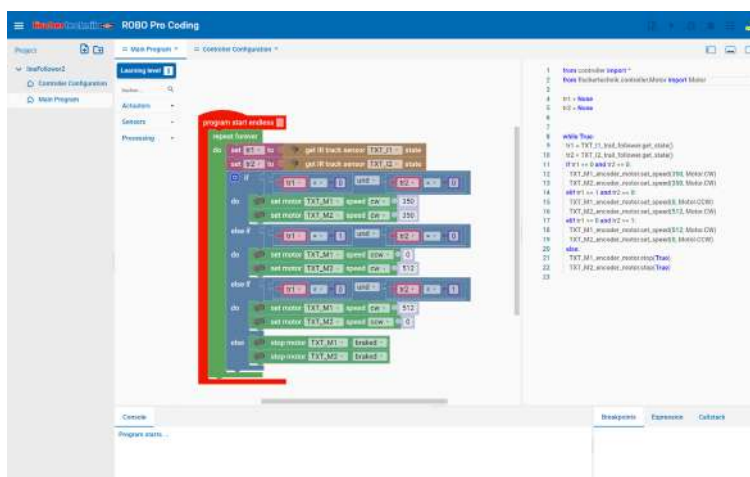
Information on the
TXT 4.0 Controller
& ROBO Pro Coding
software can be
found on page 34



ROBO Pro Coding Software

The ROBO Pro Coding software offers a multilingual programming environment that supports both graphical programming and text-based programming using Python. The software runs on Windows, Linux, and macOS computers as well as on mobile devices with Android or iOS. Users can choose from different learning levels - Beginner, Advanced, and Expert - to work at the appropriate level of difficulty. Programming examples are available. Custom programs can be saved locally on the device or online in the cloud, enabling version control and the sharing of created programs between users via cloud storage. The interface test allows actuators and sensors to be tested quickly and easily.

Available free of charge for mobile devices (Android/ iOS) and PCs (Windows/ macOS/ Linux).



TXT 4.0 Controller

With 512 MB RAM and 4 GB eMMC storage, three servo outputs, and a capacitive touch display that supports swipe gestures, the TXT 4.0 Controller offers a wide range of features. The improved Wi-Fi and Bluetooth module provides the right wireless interface for numerous applications. Another interface is the USB host port, which allows devices such as the fischertechnik USB camera or USB flash drives to be connected. Up to eight additional controllers can be connected to one controller as expansions. Thanks to its slim housing, the controller can be perfectly integrated into models. To ensure it always stays up to date, firmware updates are automatically downloaded via the cloud while user-created programs remain intact.



- Processor: Arm® dual Cortex®-A7 650 MHz + Cortex®-M4
- Memory: 512 MB DDR3 RAM, 4 GB eMMC
- Memory expansion: microSD card slot
- Color touch display: 2.4", 320 × 240 pixels, capacitive, supports swipe gestures
- Flat design – dimensions: 90 × 90 × 17.5 mm
- 8 universal inputs: digital/analog 0–9 VDC, analog 0–5 kΩ
- 4 high-speed counter inputs: digital, frequency up to 1kHz
- 4 motor outputs: 9 V / 250 mA (max. 1 A), continuously variable speed control
- 3 servo outputs: 5 V (max. 2 A), short-circuit protected
- Control also possible via voice recognition app (Android / iOS)

MAKER

The Maker construction kits provide a flexible foundation for innovative projects in the maker scene. With base chassis for mobile robots, they are ideally suited for makerspaces and FabLabs. The sets are supplied without a controller.



Maker Kit Car



AGE 14+

1

119

Encoder motor, Differential gearbox, Steering knuckle suspension incl. servo motor, .stl files (3D printing) available for mounts/ adapters for common development boards

The car chassis as a base model not only provides a stable foundation but also allows for individual customization and expansion. The base model is available as an example in the fischertechnik Design Studio.

Item No.	571900
EAN	4048962516616
Dim. (mm)	320x230x80

Maker Kit Omniwheels



AGE 14+

1

201

Encoder motors, 4 omni-wheels, Steel axles, Gearboxes in front of each omni-wheel, .stl files (3D printing) available for mounts/ adapters for common development boards

The omniwheels on the base model of this driving robot enable unique movement in any direction. The base model is available as an example in the fischertechnik Design Studio.

Item No.	571901
EAN	4048962516623
Dim. (mm)	320x230x80

Maker Kit Bionic



AGE 14+

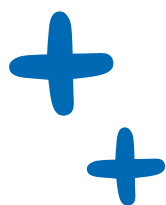
1

161

8 servo motors incl. fischer-technik mounts, .stl files (3D printing) available for mounts/ adapters for common development boards

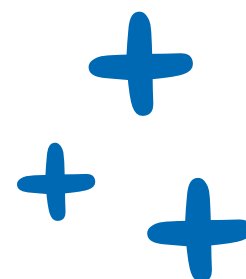
Walking robot chassis with servo motors, mounts, and a flat platform for custom add-ons. The base model is available as an example in the fischertechnik Design Studio.

Item No.	571902
EAN	4048962516630
Dim. (mm)	320x230x80



ACCESSORIES

FOR OPTIMAL ADDITION



LED Set

When it comes to adding even more lights, the LED Set is the perfect solution! With new shine and additional lighting effects, construction kits can be enhanced even further. The set includes two rainbow LEDs that flash in different colors and frequencies, two white LEDs, and a battery holder (batteries not included).



40

Item No.	533877
EAN	4048962229752
Dim. (mm)	225x150x65

Ideal addition: Battery Pack or Power Set

Motor Set XS

Thanks to its compact dimensions, this motor can be installed almost anywhere. In addition to building blocks, gearbox components, and gears, the set includes a safety battery holder with an integrated polarity-reversing switch for 9V block batteries (battery not included). Performance data: voltage 9 V–..., max. power 1.0 W at 6,000 rpm.



45

Item No.	505281
EAN	4048962069426
Dim. (mm)	225x150x65

Motor Set XM

Powerful geared motor in a compact plastic housing with numerous mounting options. Includes a wide range of gears, axles, and gearbox components. Performance data: voltage 9 V–..., max. power 3.0 W, approx. 340 rpm. Required: Battery Pack or Power Set.



40

Item No.	505282
EAN	4048962069433
Dim. (mm)	225x150x65

Box 1000

Practical storage box with eight sorting trays and 32 dividers. The lid also serves as a large building base plate measuring 390 × 270 mm.



42

Item No.	30383
EAN	4006209303832
Dim. (mm)	390x270x95

Accu Set

Microcontroller-controlled charger that reliably protects against overcharging. Very short charging time, max. 2 hours. Powerful NiMH battery pack with short-circuit protection, 8.4 V / 1800 mAh.



Charger & battery pack in one

Item No.	34969
EAN	4006209349694
Dim. (mm)	225x150x65

Power Set

Power supply with continuously adjustable power controller for powering all fischertechnik models. Output voltage 9 V, 2.5 A; power controller with adjustable output up to 1 A as well as an additional 9 V output (1 A). Both outputs are short-circuit protected and equipped with overload protection.



Power supply & control unit in one

Item No.	505283
EAN	4048962069440
Dim. (mm)	225x150x65

Control Set

Some models can be conveniently controlled via the Bluetooth Control App using a smartphone or tablet - with a range of up to 10m. The receiver features three motor outputs as well as one servo output for continuously variable steering and speed control. Thanks to Bluetooth technology, up to two receivers can be used simultaneously, allowing multiple control sets to be operated in the same room without interference.



Receiver, Servo

Item No.	563931
EAN	4048962457438
Dim. (mm)	225x65x150

Required: Bluetooth Control App, Battery Pack or Power Set or 9V battery holder

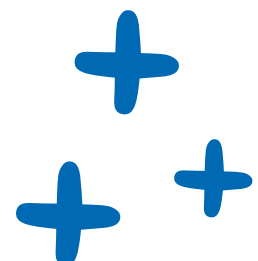
Creative Box Basic

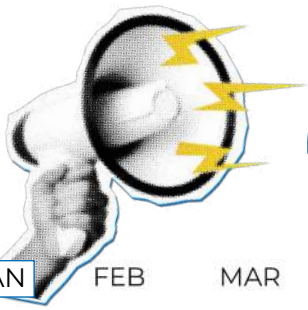
Equipped with numerous round building blocks, angle blocks, building plates, structural elements, and other basic components, the set enables free construction of new models as well as individual expansion of existing builds. A highlight is the practical storage box with eight flexibly usable sorting trays; the base plate serves as the lid. No building instructions are included, encouraging creative, free building.



630

Item No.	554195
EAN	4048962390490
Dim. (mm)	393x273x103,5





MARKETING ACTIVITIES 2026

JAN

FEB

MAR

APR
EASTER

MAY

JUN

JUL

AUG
BACK TO SCHOOL

SEP

OCT

NOV

DEC
CHRISTMAS



PR Kick-Off
& New
Products



Easter Campaign:
Construction Site



Fan
Club
Day

LIEBHERR

Launch Campaign:
Liebherr Product Range
& Space World

fischer
FOR KIDS

Launch Campaign:
fischer for kids

miniMINT

Launch Campaign
incl. Back to School
mini MINT



Christmas Campaign

LIEBHERR
Kidult



Green Energy



Smart Robots Max



Space World



SOCIAL MEDIA ALWAYS ON



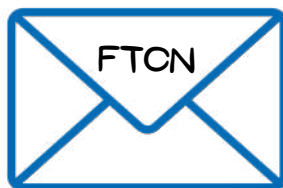
POS TOOLKIT

CHANNEL



PORTAL

With our **CHANNEL PORTAL**, you always have the latest information at your fingertips. Sales materials, images, and videos - all in one place, ready for direct download.



Already on board?

Whether it's new products, updates, fair appearances, exclusive promotions, or much more - the **CHANNEL NEWS** keep you informed every month. Find out early what's changing, where we'll be, and what's planned. Simply sign up for the Channel News with your contact in our sales team and stay fully up to date at all times.

YOUR BENEFITS AS A FISCHERTECHNIK RETAIL PARTNER

Product range support - Strong-selling sets & clear entry-level concepts

Targeted marketing campaigns - Seasonal promotions & POS support

Personal support - Dedicated sales contact

Shared growth - Initiatives to support sell-through



OUR CURRENT POS MATERIAL



Poster „Games“
Item No. 204163



Poster „Green Energies“
Item No. 204164



Poster „Construction Site“
DinA1, German
Item No. 221922



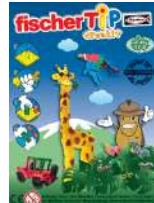
International product overview brochure
Item No. 44465



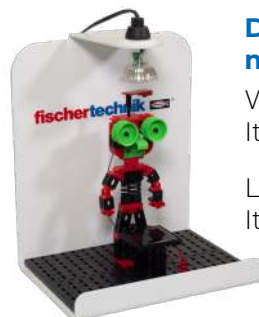
Brochure holder
Item No. 20949



fischer TiP Brochure
Item No. 40992



Give-Away Truck / Helicopter / TiP
Item No. 580047 / 580048 / 523802



Decorative models

Wobbler
Item No. 560899

Liebherr Excavator
Item No. 579288



Display options

Construction site
Construction site & Games
Construction site & Junior
Construction site & Liebherr
fischer for kids
miniMINT

578853
578798
578799
578800
581054
581128



Digital picture frame with current video content
(upon request)



Standee Liebherr Excavator
WxH 80x110cm Item.No 580491



WHERE CURIOSITY BECOMES
KNOWLEDGE!

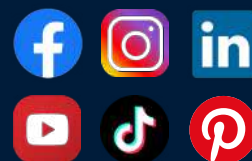
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