

FAN CLUB NEWS

fischertechnik 

EDITION 01/18



PAGE 2: ACTUAL

fischertechnik Fan since 30 years



PAGE 4: NEW

Marble run fun in an XXL format



PAGE 5: NEW

My Smart Home



PAGE 7: ASSEMBLY INSTRUCTION

Double propeller solar helicopter

TOY FAIR 2018

UNDER THE MOTTO: MY SMART HOME

At this year's International Toy Fair we presented new products from fischertechnik to professional dealers and customers under the motto of My Smart Home. We showed off not only our new ROBOTICS products, but also all kinds of "smart" products by fischertechnik. Our fischertechnik stand has always been popular, and the exhibition team enjoyed lively discussions with customers and buyers alike. TV spots on our new products also drew lots of attention, and were played on various stations throughout the course of the fair.

Of course, we didn't want to keep you in the dark about our new products, which is why we reported from the toy exhibition on facebook live.

We are presenting our new products there daily.

Check it out!



FAN CLUB DAY 2018

IN WALDACHTAL

After last year's decision to hold the fischertechnik FAN CLUB Day online for the first time, this year we want to offer our fans a very special FAN CLUB Day at our location in Waldachtal. The FAN CLUB Day will take place on Saturday, 06/30/2018 (10 AM - 4 PM). In addition to a fan model show, a fischertechnik sale, various workshops, a tour of fischertechnik construction set assembly, lots of other program items will await you.

At the same time, this year the trainee information day of the fischer group of companies takes place, where you can learn more about the great training opportunities in our company. You will also receive comprehensive insights into the fischer group of companies, such as guided tours of the plug production.

Of course, the fan model show will be the highlight of the event. We want to offer you the opportunity to present your own fischertechnik models to attendees once again. If you are interested in participating, we need you to complete and return the registration sheet by the end of May – space is limited!

Detailed information on the FAN CLUB Day model show, registration, and how the show works is available from the attached flyer.

More information on the FAN CLUB Day is available on our homepage and on facebook.

Please feel free to contact us with questions at any time:

E-mail: Fanclubtag@fischertechnik.de / Telephone: +49 7443/12 4369

We're looking forward to your visit!

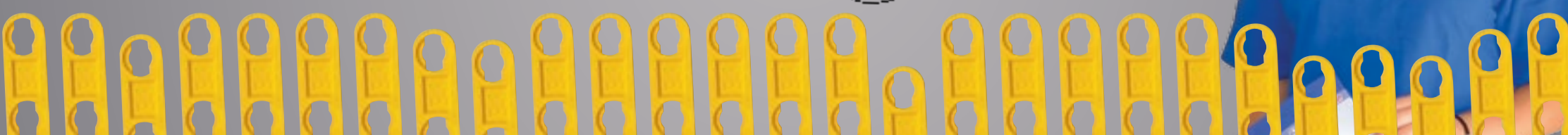
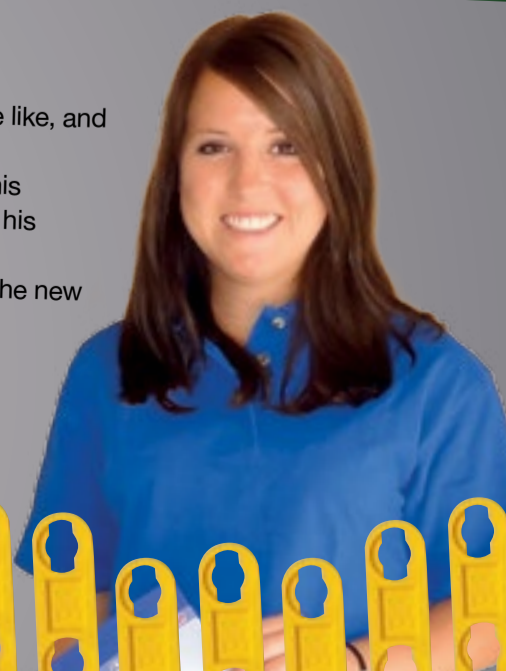
DEAR FANS,

You're probably very curious to learn more about our new construction sets. You'll get to know them in detail in this edition. I hope you like them! Maybe you'll find something you can ask for at Easter. This year, our FAN CLUB day will be held in Waldachtal once again, and you can read all about it above. I hope you'll join us on June 30th! All around the world with fischertechnik: Our Export team travels to a wide variety of countries to handle lots of different international projects.

Check out page 2 to find out what these projects are like, and what our colleagues experience on their travels. As usual, there's another new FAN CLUB model in this edition. Our intern Silas really worked hard to design his double propeller solar helicopter. I hope you have lots of fun and a great time reading the new edition of FAN CLUB news!

Yours

Silva



ACTUAL

2

ACTIVE WORLDWIDE AT HOME IN THE BLACK FOREST

fischertechnik doesn't just have lots of fans in Germany, but abroad as well. That's why our Export team is always ready to pack its bags. They take our products all over the world, handling a variety of international projects in many different countries. For Laurenz Wohlfarth and his team, this not only includes getting to know different people and cultures, but lots of preparation as well. Here is a list of some projects the team handled in 2017, to give you some insight into our international activities.



Our team in the United Arab Emirates was very active last year. Our fischertechnik exhibition booth, one of 550 exhibitors from all over the world, saw very good attendance at the largest educational materials fair in the Middle East and Africa region. Thanks to the positive resonance our educational products enjoyed, fischertechnik education will be equipping a large number of additional schools. fischertechnik also represented our company and our products at selected schools through a summer camp for students at comprehensive schools in the United Arab Emirates, taking an active role in putting on the camp. We staged a large exhibition booth at the "5th Arab Robotics Conference" in Dubai in the fall.



fischertechnik was invited to the dedication of the Second Competence Center in Kusait City to improve professional technical education in Kuwait. The highlight of the event was the "fischertechnik Lab", which made use of our industrial models, training models, and other robotics construction sets. A presentation was held on fischertechnik Robotics in the Educational Ministry in Kuwait in May. The goal of the presentation was to place fischertechnik Robotics in the curriculum at public schools. Ministers concluded the event by approving a pilot project "fischertechnik Robotics for approx. 20 pilot schools."



Exciting developments are underway in China: 100 university instructors from all over China took part in the annual "fischertechnik Teaching Training Course" in Peking. They will now be using fischertechnik regularly in teaching technical degree courses. 400 students between 8 and 12 years of age took part in the second "Chinese National Teenager Innovation Olympics" in Nanjing. Since this year's motto focused on designing intelligent and innovative devices, fischertechnik helped design the opening and awards ceremony. 10 fischertechnik Robotics teams were also successful at the "AiTLE innoSTEMer Camp 2017" in Hong Kong. Two teams won gold medals at this STEM event, while one team won a silver and one a bronze medal.



Our export team successfully presented our products at the most important educational materials fair in southeast Asia, the "Worlddidac Asia 2017." Our construction kits will now be placed in a large number of classrooms in Thailand.



One of our Japanese distribution partners started the "fischertechnik education Truck Tour 2017" in the middle of the year based on our "fischer Truck Tour 2017," with a great fischertechnik-designed car.



30 YEARS OF CURIOSITY

A REPORT BY DANIEL DOMSCHEIT-BERG

It is a little more than 30 years since I held the first fischertechnik in my hands. I was lucky to have been born into a tech-savvy family and my parents had acquired a collection of parts from the local newspaper's classifieds section: statics blocks, optics and acoustics, motors and gears and those cryptically labeled silver electronics building blocks.

My curiosity had been sparked, and with it came the spirit of exploration and innovation. It did not take long I had worked through all the construction manuals and embarked on a search for more inspiration. In February 1988, 30 years ago, I joined the fischertechnik-FAN CLUB family. The first page of my first ever fanzine contained a "Pneumatic greeting aid", a weird device that I suddenly understood the deeper application of pneumatic technology, but more importantly, I realized that I was not alone with all my crazy ideas. I had found a family. In late 1988 the fischertechnik Computing training robot arrived, and it got married to my Commodore C64. It was a true love that should last. Neither engineering nor computers have let go off me ever since.

The world has changed drastically in those 30 years. We find ourselves in the middle of a great transformation of society driven by technological accomplishments. Often we do not know what the future has in store for us in the next few years and decades. It is certain though that the future needs designers and creators, curious and courageous minds willing to disrupt an existing model and build something better out of it. This to me is the spirit of fischertechnik and it gives me hope to see how much this spirit is alive. If we manage to apply this spirit to all other facets of our world, then there is no reason why we should

not overcome the challenges of our time and create a future worth living in.

DANIEL DOMSCHEIT-BERG



1987, in the early days of his fischertechnik-Mania



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JUNIOR DEVELOPERS

VISIT WALDACHTAL

Six fischertechnik Junior Developers selected during Fan Club Day 4.0 visited us end of October. The Junior Developers got some exclusive insight into the world of fischertechnik, such as on how we create building manuals, and how we produce and develop new building sets. In addition to introducing our Junior Developers and their highly innovative models, the highlight of the event was a technical discussion with our developers and a design workshop on our current Dynamic PLUS development project. The Junior Developer Team will join our development team in the future to help out with selected new developments, where they can add their own ideas, suggestions, and approaches. The fischertechnik development team will work closely and regularly with the Junior Developers, always keeping them up to date on the newest issues. We're really looking forward to our future collaboration!



HIGH QUALITY TECHNOLOGY

AT THE FISCHERTECHNIK MODEL SHOW

The second annual traditional Münster fischertechnik model show took place on November 23rd 2017 in the auditorium of the Kardinal-von-Galen Gymnasium in MS-Hiltrup. Almost 20 exhibitors from NRW and Lower Saxony exhibited their technical models here, drawing well over 500 visitors throughout the day. Guests used the opportunity to not only marvel at the fascinating models, but also to test some of them out for themselves and talk to the exhibitors about technology and programming. The overall range of models on exhibit was impressive once again. Attendees could discover complex marble runs, a fully-automatic car wash, a ferris wheel, and remote-controlled vehicles. Visitors could also play tic tac toe against the computer on a real fischertechnik mode. Some of the models could also be activated using an Arduino microcontroller. In addition to private exhibitors, the 8th grade class of the Junior Engineer's Academy at Kardinal-von-Galen Gymnasium also presented its fully automated industrial robots. They had built and programmed the robots using fischertechnik components as

part of their coursework. Robots completed tasks like sorting goods delivered via forklift in a high-bay warehouse. A pinball machine was also among the models, and was especially popular with young attendees.



A PRINCESS ON A JOURNEY

CRAFTING FUN FOR LITTLE CINDERELLAS

With the new fischerTiP Princess Backpack, you'll always have a world of princess fun along wherever you go. The backpack contains 1,200 TiPs in a wonderful combination of colors, including pink, purple, and skin tones you can use to design a princess model or magical Cinderella accessories. You can use the included building instructions to design a crown, a jewelry box, a bracelet, and a necklace with charm.

Then you can admire your new jewelry in a real mirror you build yourself.

Let your princess dreams come true!

fischerTiP Princess backpack

- from 7 years
- 1200 TiPs (pink, violet, skin color)
- with sponge, cutting tool, make-it-yourself instructions for 6 models, string, mirror foil, 3 cardboard template
- price: 11,95 Euro
- already available



DATES 2018

Fairs:

OFFA	St. Gallen	11.04. – 15.04.2018
Intermodellbau	Dortmund	19.04. – 22.04.2018
Suisse Toy	Bern	11.10. – 14.10.2018
Science Days	Europapark	18.10. – 20.10.2018
Spiel	Essen	25.10. – 28.10.2018
Modellbau-Messe	Wien	25.10. – 28.10.2018
Faszination Modellbau	Friedrichshafen	01.11. – 04.11.2018
Kärtner Spieletage	Villach	09.11. – 11.11.2018
Süddeutsche Spielmesse	Stuttgart	22.11. – 25.11.2018

Events:

RoboCup German Open	Magdeburg	27.04. – 29.04.2018
Karlsruher holiday program	Karlsruhe Gartenschule	31.05. – 02.06.2018
Schul-Robotik-Cup	Karlsruhe	16.06.2018
Robotik-Workshop	Region Ortenau	23.06.2018
FAN CLUB Day	Waldachtal	30.06.2018

From Fans for Fans:

Club Day	Hoofddorp (NL)	10.03.2018
North convention	Wedemark / Hannover	28.04.2018
South convention	Dreieich / Frankfurt	22.09.2018

Special sales:

FAN CLUB Day	Wolfäcker 1, 72178 Salzstetten	30.06.2018
Stock sale	Wolfäcker 1, 72178 Salzstetten	01.12.2018

09.00 – 12.00 Uhr

NEW

4

MARBLE RUN FUN IN AN XXL FORMAT

FLYING HIGH WITH THE NEW PROFESSIONAL DYNAMIC XXL

Even higher, even faster, and even more action: The new fischertechnik Dynamic XXL marble run is breaking all the records. Are you already a big fan of fischertechnik marble runs? Do you love large models? Then the new construction set is made for you. Around one meter tall, and with track length of up to 5.60m, lots of functions, and new components and switches, this construction set promises limitless play and fun.

Three different models can be built with 1,360 components.



PROFI Dynamic XXL

- from 9 years
- 3 models
- 1360 components
- with XS motor, 2 rainbow LEDs, 2 flex-tubes 360, 7 90° curves, 5 180° curves, 7 high-speed flex-rails, 8 flex-rails 90, 16 flex-rails 180, 8 balls
- 2 cross-overs, 2 rotary funnels, battery holder for 9V block (battery not included)
- Ideal addition: All construction sets in the Dynamic Line, Motor Set XS, Bluetooth Control Set, Sound+Lights, LED Set, Accu Set or Power Set
- price: 189,95 Euro
- available from March



The new Flex hoses allow for even more dynamic track designs. Hoses can be bent in any direction, creating cool routes and tracks.

All new: Interact with the run to change the track design!

Do you want the ball to continue along the exciting flex tubes, or zoom through the loop? With the mechanical switch, you shape the run yourself! Thanks to the switch with control lever and the new stop point, you have even more opportunities to change the track path. Balls can be stopped anytime along the course using the stop point, then released again – what fun!

Expanding the construction kit with the Bluetooth Control Set and the Motor Set XS (up to two) also allows you to easily control the switches and stop points easily using the Bluetooth controller, or via smartphone or tablet. The XXL ball course can be combined and supplemented with all of the construction kits from the Dynamic series.

NOW EVEN MORE ACTION - NEW PLUS SETS

NEW: PLUS DYNAMIC HIGH SPEED, LOOPING, STOP & GO AND TRAMPOLINE

You can build your own track with the PLUS Dynamic Looping Set mechanical switch! Either let the ball continue along the exciting track, or set the mechanical switch to send it through the loop. What fun!



Dynamic Looping

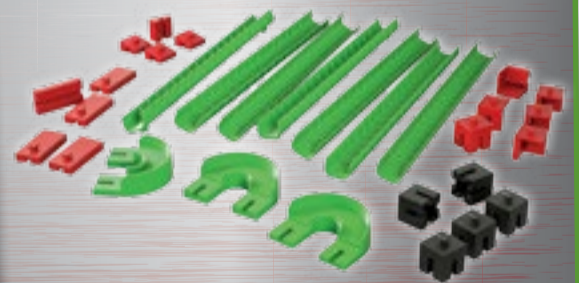
- from 7 years
- 50 components
- price: 12,95 Euro
- with 90° curve, high-speed flex-rail, flex-rail 90, 3 flex-rails 180, various add-on elements
- available from March



Dynamic High Speed

- from 7 years
- 30 components
- price: 12,95 Euro
- with 3 180° curves, 7 high-speed flex-rails, various add-on elements (angular blocks, building bricks etc.)
- available from March

Now even faster and more daring: With the PLUS Dynamic High Speed accessory set, the marble run fun is even faster and curvier! The set allows you to creatively expand all your marble runs with additional high-speed flex rails, 180° curves, and other construction kits.



A short stop before the ball speeds off. With the Stop & Go set, you can stop the balls anywhere along the course, then release them again. Use the construction manual to build two stop points. Guaranteed playtime fun!



Dynamic Stop & Go

- from 7 years
- 45 components
- price: 12,95 Euro
- with 4 flex-rails 90, various add-on elements (angular blocks, angular girders etc.)
- available from March

If you want to add even more action to your marble run, this accessory set is perfect for you. For the first time, you can be creative and add a trampoline to any fischertechnik marble run. Balls enter the separator, where a mechanical tension device shoots them at the trampoline. The trampoline can be adjusted to ensure the ball lands safely in the funnel after the jump.



Dynamic Trampoline

- from 7 years
- 130 components
- price: 24,95 Euro
- with 2 rotary funnels, launching pad cover, 90° curve, 5 balls, 2 flex-rails 90, flex-rail 180
- available from June

NEW

5

A MUST FOR ANY TRACTOR FAN

NEW: ADVANCED TRACTORS

New tractor models from the fischertechnik ADVANCED Tractors building set roll through your child's room with thick lugged tires. If you're a tractor fan, the newly designed ADVANCED Tractors building set is perfect for you. You can use 130 components to build three different models that guarantee playtime fun in your kid's room. No matter whether you want to build an antique model with an open driver's cab or a modern tractor with a closed cabin, the stable vehicle stands up to all kinds of play.

If you like things a little faster, you're sure to enjoy the sporty dragster, a motor-sports vehicle. You can use the axle pivot steering to precisely steer your vehicle through your room - tight curves and quick evasive maneuvers are no problem.



Tractors

- from 7 years
- 3 models
- 130 components
- with play figure
- price: 24,95 Euro
- already available



UNDERSTAND SOLAR ENERGY THROUGH PLAY

NEW: ADVANCED SOLAR

The potential of the sun's energy was discovered way back in ancient Egypt. The Egyptians constructed their buildings to best utilize heat from sunlight.

Today, electricity generated by renewable energy is becoming more and more important.

Have you ever wondered how we actually turn the sun's energy into electricity?

You can have fun and learn how solar energy works with the ADVANCED Solar construction set. The heart of the set is the solar rotor, a combination solar cell and motor.

Get excited and watch sunlight hit the solar cell and make the helicopter, airboat, or fan's propeller move. New designer components and a new color scheme for the set add even more fun and play to your child's room! The fischertechnik ADVANCED Solar construction set consists of 80 parts you can use to build three different models.



Dynamic XM

- from 7 years
- 3 models
- 260 components
- with 2 rotary funnels, launching pad cover, 180° curve, 5 balls, 2 flex-rails 90, flex-rail 180
- Ideal additions: All construction sets in the Dynamic Line, Motor Set XS, Sound+Lights, LED Set
- price: 39,95 Euro
- available from June



Solar

- from 7 years
- 3 models
- 80 components
- with solar rotor and play figure
- price: 24,95 Euro
- already available



MARBL RUN FUN MEETS TRAMPOLINE ACTION

The balls roll into the tension device separately thanks to the mechanical separator. Just pull back the spring and let go! The balls shoot out of the device like lightning towards the trampoline. You can also add a motor to the spring tension using the Motor Set XS. The ball bounces off the trampoline and is caught in the funnel. But you'll need some skill to make it work. Did you line up the funnel so the ball will land in just the right spot after it bounces?

You can adjust the trampoline in all three axes - it's tough to hit the funnel on the first try!

The PROFI Dynamic XM construction kit lets you have fun building a total of three models and play different action-packed games.



FISCHERTECHNIK & DIGITIZATION

HAVE FUN PROGRAMMING WITH THE HIGH-TECH ROBOTICS TXT SMART HOME STATION

You can use the new ROBOTICS TXT Smart Home construction kit to experience the smart home trend in a fun way. This forward-thinking construction kit allows you to control your home from anywhere in the world, while having fun and learning programming skills in ROBO Pro.

The new environmental sensor allows the stationary sensor station to measure temperature, humidity, air pressure, air quality, volume, and brightness in your room. The "mold monitor" model, for instance, warns you of excessive humidity early on. You can also use the integrated camera to monitor every movement in your child's room.

The WiFi connection allows the camera to be controlled remotely, for instance using your smartphone, and lets you call up sensor data. You can also use the brightness sensor to program your smart home model to switch on the light on the sensor station automatically in the dark. Learn more about the TXT Smart Home building kit in the second edition of Fan Club News 2018.



TXT Smart Home

- from 10 years
- 6 models
- 150 components
- with environmental sensor, brightness sensor, USB camera (1 MP), 2 encoder motors, 2 push buttons, LEDs
- Additionally required: ROBOTICS TXT Controller, Software ROBO Pro, Accu Set or Power Set
- price: 199,95 Euro
- available from June



GALLERY, GALLERY, GALLERY



Here could be YOUR picture!



Obstacle detector race car, Jacob (12 years)



Safe, Tim (9 years)



IR-Racetruck, Adrian



Easter egg color machine, Moritz (9 years)



Ship Bismark, Siegfried

Thank you very much for the funny and interesting models you sent us.

Are you creative, industrious, and often build your own models? Are you able to construct different creative models even without instructions? Do you always have really cool model ideas?

It would be a shame if no one ever saw them besides you and your family! Just send a picture of your original model creations to info@fischertechnik.de.

We will publish your picture on our homepage under „Playing - Fan Club“. In addition, we always show the best-looking models here in Fan Club News.



Remote-controlled bus, Jan (11 years)



Quadtrac with articulated steering, David



Remote-controlled lawn mower Hannes (11 years)



Mine car, Marcel

Dynamic XXL, Moritz (11 years)



Wheel loader with forklift attachment, Simon (9 years)



Pneumatic door, Alwin (11 years)

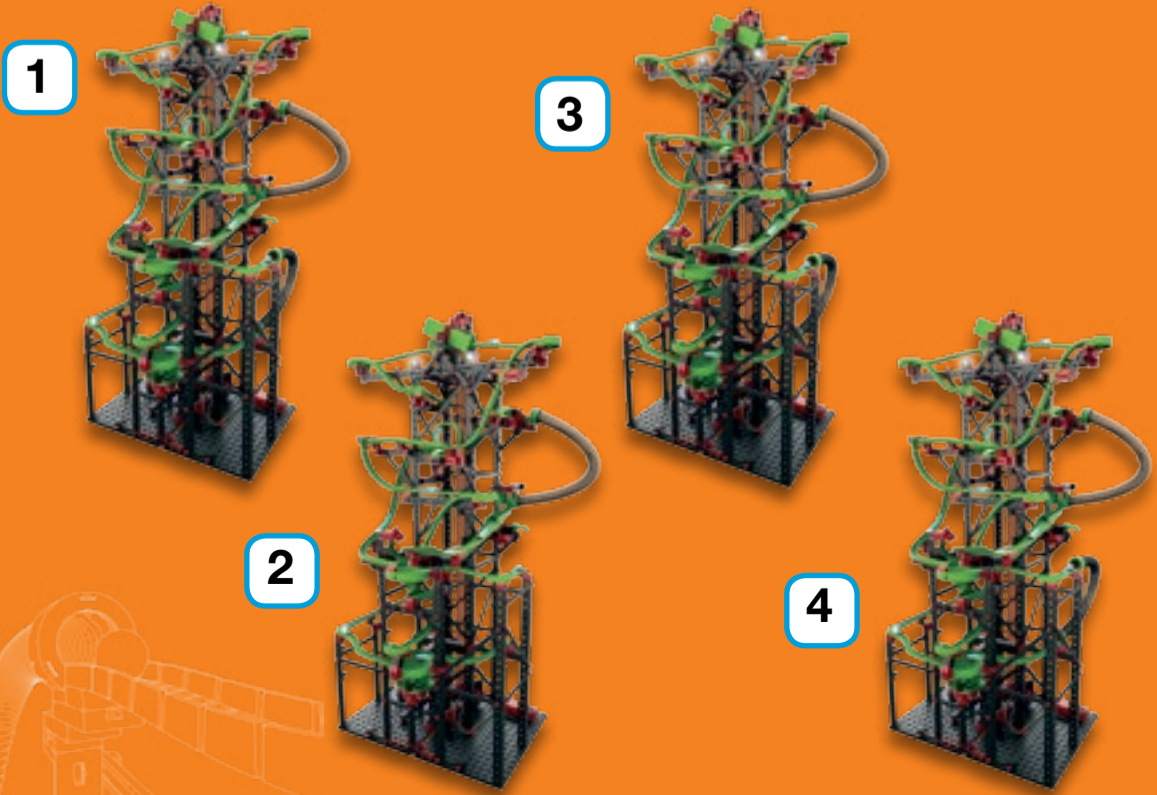
The winners will be notified in writing. The legal procedure is impossible.

CONGRATULATION!

Leon from Bonn sorted the construction steps into the right sequence in the 02/2017 issue to solve the riddle. He won an ADVANCED BT Racing Set with the solution word "ROBOTICS." Tobias from Erfurt gave a very good answer to the estimate game. He thought the light tower was built out of 25,000 TiPs, which was almost exactly right! We'd like to congratulate all our winners!

WHICH MODEL MARCHE TO A DIFFERENT DRUMMER?

A mistake has snuck into one of the models. Which model doesn't match the other three? As a fischertechnik fan, you'll have no problem finding the mistake. Please write an e-mail with your answer by April 30th, 2018 with the subject "Wrong model" to gewinnspiel@fischertechnik.de. You can win a PROFI Dynamic XXL building set. Good luck finding the mistake!



ALPHABET SOUP

Find the words hidden in the alphabet soup. Six fischertechnik-related words are hidden both vertically and horizontally in the letters. Write us what words you could find in our jumble. Send your answer to gewinnspiel@fischertechnik.de with the subject "Alphabet Soup" by April 30th, 2018. The lucky winner can win the two new ADVANCED Solar and Tractors building sets. Good luck!

D	J	P	K	P	L	N	D	V	Z	X	Q	E	T
A	D	V	A	N	C	E	D	S	F	T	H	B	G
K	W	E	B	E	S	J	G	T	H	G	N	I	O
Q	L	F	V	U	V	B	K	Ü	P	U	U	L	P
R	I	Y	X	M	M	N	L	O	U	H	Q	W	F
E	Z	S	M	A	R	T	H	O	M	E	D	N	B
W	B	Z	M	T	W	D	F	T	Ü	J	Z	T	N
Q	D	I	N	I	S	C	B	O	P	K	I	P	Ö
T	Y	Ü	V	C	Q	F	Z	P	L	V	Z	B	M
E	N	T	W	Y	A	S	G	B	U	T	S	F	N
F	A	W	Q	N	V	T	R	A	C	T	O	R	S
Y	M	D	E	R	T	U	J	N	V	R	L	I	Ü
Q	I	U	Z	T	K	X	G	F	L	D	A	J	O
T	C	J	Ö	O	S	T	F	A	B	V	R	M	T

ASSEMBLY INSTRUCTION

NO. 52

To collect

Fan Club Model Double Propeller Solar Helicopter

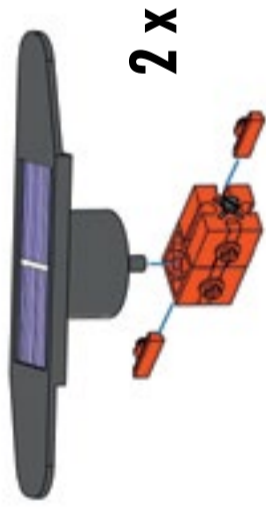


Silas Schmid (20 years old) is in his second year of training to become a mechatronics engineer, and is currently interning at fischertechnik's Salzstetten location. He spends his work day building models for exhibition booths and trade fairs and completing tests and trials for development purposes. He's created a very special model for you to recreate.

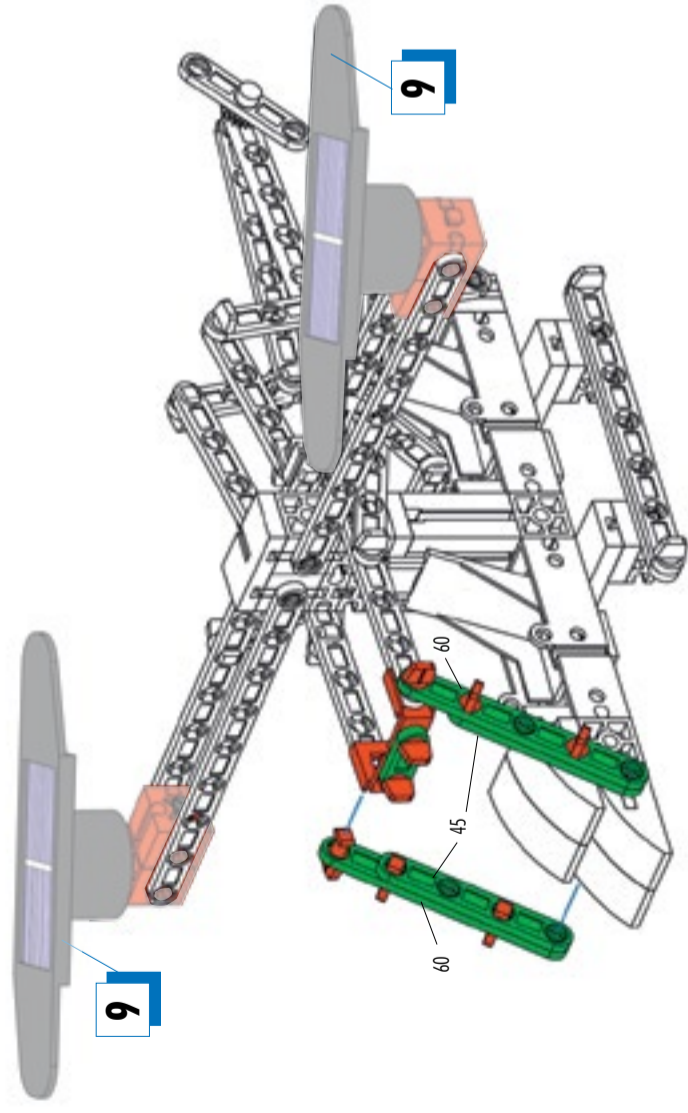
Silas had a great idea for the new fan club model: He wanted to combine two new ADVANCED Solar sets to build a faithful reproduction of a helicopter. The unique thing about this model, in addition to its two solar rotors, is the wide wingspan of the side wing panels. The cross pieces and the airfoil on the back of the helicopter not only provide additional stability, but make the model even more visually appealing. He built the base helicopter model using the instructions included in the building set, then got creative to add another cab to the passenger cabin. The results definitely look great.

We hope you enjoy recreating our FAN CLUB model!

SOLAR
POWERED



9



9

10

Einzelteilübersicht Spare parts list

Liste des pièces détachées

	31 670	4 x
	31 690	1 x
	31 848	24 x
	31 978	2 x
	31 982	6 x
	31 984	2 x
	32 064	8 x

Onderdelenoverzicht

Lista da piezas

Resumo de peça individual

	35 049	4 x
	35806	2 x
	36 323	24 x
	36 324	4 x
	36 334	4 x
	36 912	1 x

Singoli componenti

Перечень деталей

零件概览

	37 238	8 x
	37 468	10 x
	38 428	1 x
	38 543	6 x
	116 251	2 x
	116 252	2 x
	145 415	2 x

	145 416	2 x
	146 529	1 x
	146 531	7 x
	146 532	4 x
	146 533	4 x
	156 502	4 x
	163202	4 x



