



UGEARS



Mechanical models

UGEARS is the creator and manufacturer of unique self-propelled mechanical model kits designed for self-assembly without glue and made entirely of high-grade wooden material.

Some of the models draw inspiration from real-life mechanisms, some embody unique ideas, and all of them have been designed by UGEARS from scratch. The models are the original all-occasional gift, fun and smart hobby for kids and grownups of all ages. UGEARS has employed engineering know-how and production fine-tuning to ensure the assembly of the models is an engaging and rewarding experience for the whole family. The company is very serious about the quality of the kits: apart from meticulous product testing and quality control, the plywood is sourced from responsible and sustainable sources. In addition, while looking for a way to make the assembly experience smooth and enjoyable for the customers, UGEARS has invented and patented very own plywood joint design. And that's only a start.

UGEARS is a startup established in 2014 in Kyiv, Ukraine. Today, UGEARS offers over 80 unique models of intelligent design. And there are more than 200 ideas for future mechanisms. The hobbyists are assembling UGEARS models across 5 continents.

In our age of electronics people still want to be creative with their hands and mind, seeking that rewarding feeling of constructing something with their own hands, inviting their kids and grandkids into the awesome (and, admittedly, old-school but yet-so-cool!) world of mechanics.



Natural



Mechanical



No Glue  
Connection



Self Assembly



STEM  
Educational



UTG0001

MECHANICAL ETUI/BOX



61



14



\$38.00

Case Pack: 6

Assembly Time: 1-2 hours

Model Size: 7.7 x 3.5 x 7.4 in

UTG0002

STORYTELLING THEATER



70



14



\$45.00

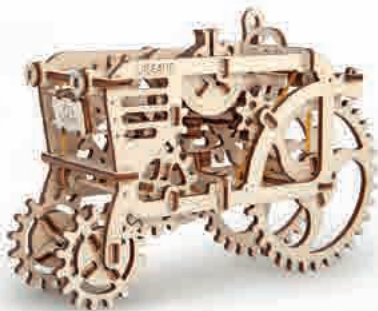
Case Pack: 6

Assembly Time: 1-2 hours

Model size: 8.4 x 7.4 x 3 in

UTG0003

TRACTOR



97



14



\$38.00

Case Pack: 6

Assembly Time: 2-3 hours

Model size: 7.9 x 3.4 x 5.4 in

UTG0004

20 MINUTES TIMER



107



14



\$50.00

Case Pack: 6

Assembly Time: 3-4 hours

Model size: 6.9 x 3.3 x 10 in

UTG0005

DYNAMOMETER



48



14



\$27.00

Case Pack: 6

Assembly Time: 2 hours

Model size: 5.8 x 2.8 x 6.7 in

UTG0006

TRAILER FOR TRACTOR



68



14



\$20.00

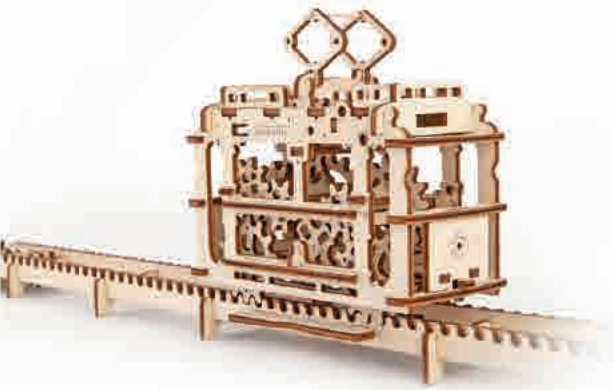
Case Pack: 6

Assembly Time: 1-2 hours

Model size: 8.2 x 4 x 3.8 in

UTG0007

TRAM WITH RAILS



4 820184 120198

\$40.00

 Case Pack: 6  
 Assembly Time: 3-5 hours  
 Tram size: 6.2 x 2.9 x 5.4 in

UTG0008

PNEUMATIC ENGINE



4 820184 120129

\$27.00

 Case Pack: 6  
 Assembly Time: 2 hours  
 Model size: 6.5 x 3 x 3.5 in

UTG0009

COMBINE/HARVESTER



4 820184 120136

\$47.00

 Case Pack: 6  
 Assembly Time: 2 hours  
 Model size: 5.3 x 6.5 x 11 in

UTG0010

SAFE



4 820184 120228

\$70.00

 Case Pack: 5  
 Assembly Time: 6-7 hours  
 Model size: 7.7 x 7.3 x 6.9 in

UTG0011

LOCOMOTIVE W/TENDER



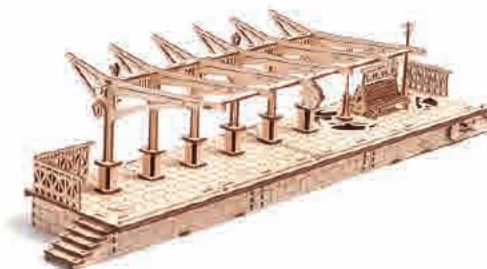
4 820184 120235

\$90.00

 Case Pack: 5  
 Assembly Time: 10-12 hours  
 Model size Locomotive: 12 x 3.9 x 4.9 in  
 Model size Tender: 6.3 x 3.5 x 4.5 in

UTG0012

RAILWAY PLATFORM



4 820184 120242

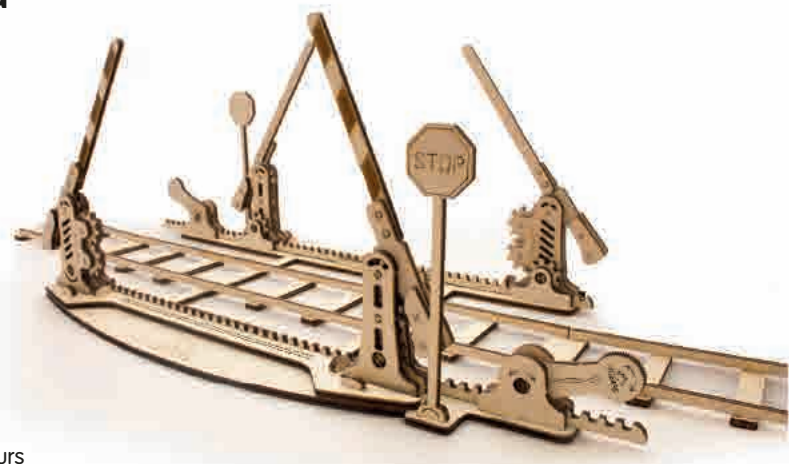
\$77.00

 Case Pack: 5  
 Assembly Time: 4-5 hours  
 Model size: 29.4 x 7.2 x 9.6 in

# RAILS WITH CROSSING

UTG0013

\$40.00



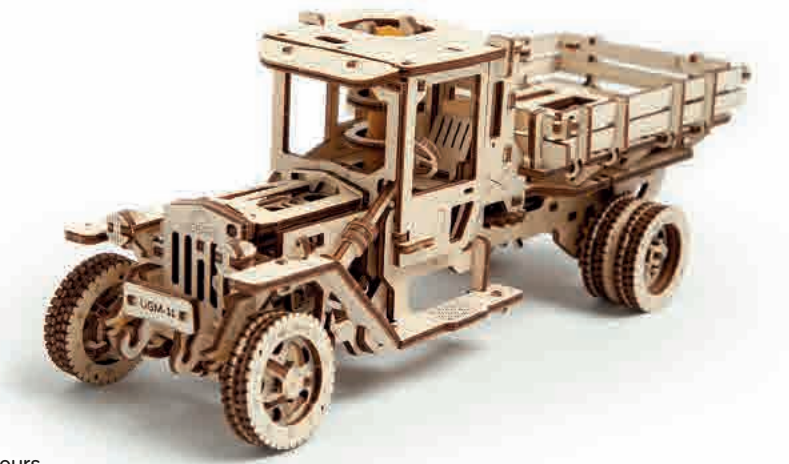
Case Pack: 6  
Assembly Time: 2-3 hours  
Model size: 160.4 x 4.7 x 8.8 in



# TRUCK UGM-11

UTG0014

\$90.00



Case Pack: 5  
Assembly Time: 10-12 hours  
Model size: 13.3 x 5.5 x 5 in



# ADDITIONS FOR TRUCK UGM-11

UTG0015

\$77.00



Case Pack: 5  
Assembly Time: 3-4 hours  
Model size Tanker: 6.7 x 4.5 x 5.3 in  
Model size Fire Truck Ladder: 14.2 x 4.7 x 6.9 in  
Model size Trailer: 8.9 x 4.3 x 4.1





## MECHANICAL FLOWER

UTG0016

\$45.00



4 820184 120273

Case Pack: 6  
Assembly Time: 1,5 hours  
Model size: 5.1 x 5.1 x 6.3 in



## COMBINATION LOCK

UTG0017

\$27.00



4 820184 120297

Case Pack: 6  
Assembly Time: 1,5 hours  
Model size: 3.8 x 2.6 x 3.9



## FIRE TRUCK WITH LADDER

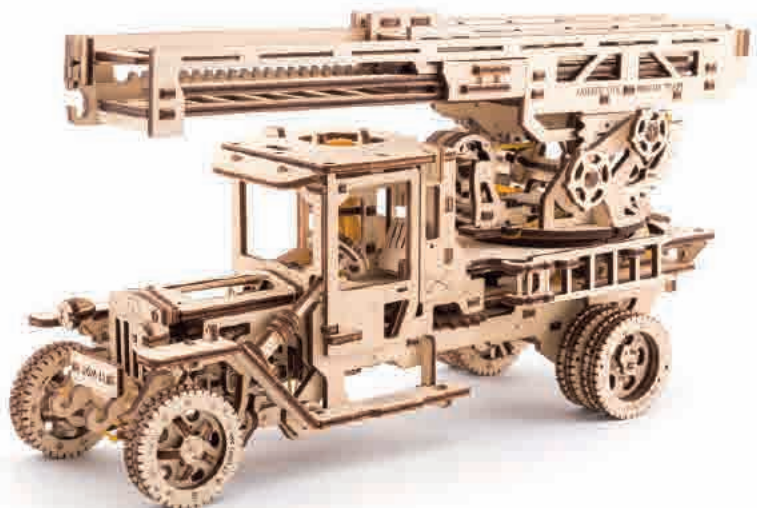
UTG0019

\$100.00



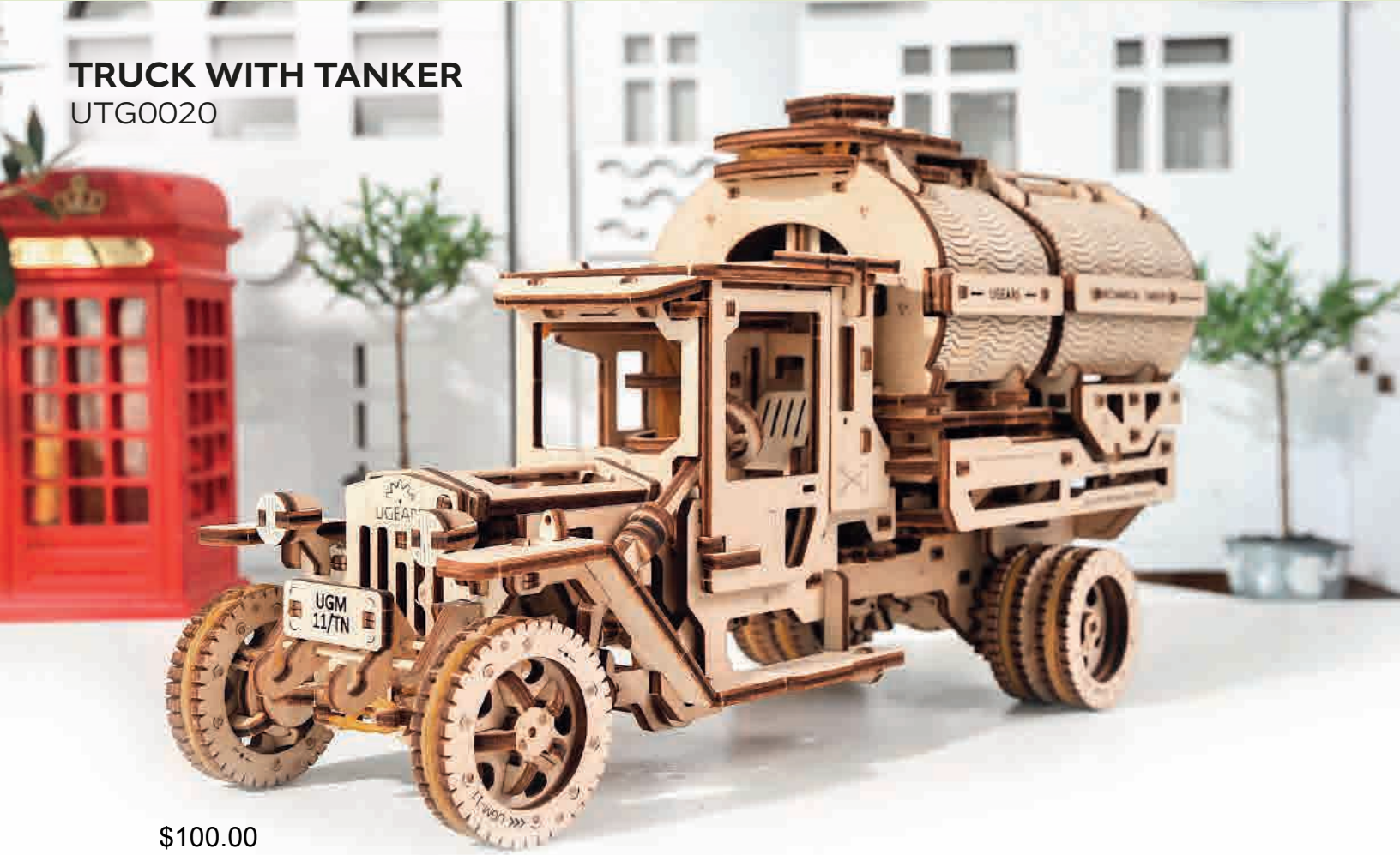
4 820184 120310

Case Pack: 3  
Assembly Time: 12-14 hours  
Model size: 13.6 x 7.9 x 4.9 in



# TRUCK WITH TANKER

UTG0020



\$100.00



4 820184 120303

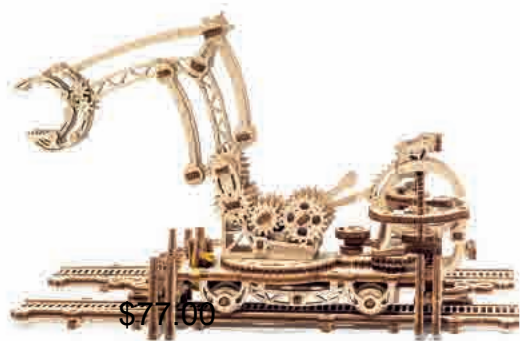
Case Pack: 3  
Assembly Time: 12-14 hours  
Model size: 13.0 x 7.1 x 4.9 in



# RAIL MANIPULATOR

MECHANICAL TOWN SERIES

UTG0027



\$77.00



4 820184 120600

\$40.00  
Case Pack: 6  
Assembly Time: 8-10 hours  
Model Size: 17.7 x 19.7 x 8.3 in

# HURDY-GURDY

UTG0028



\$90.00



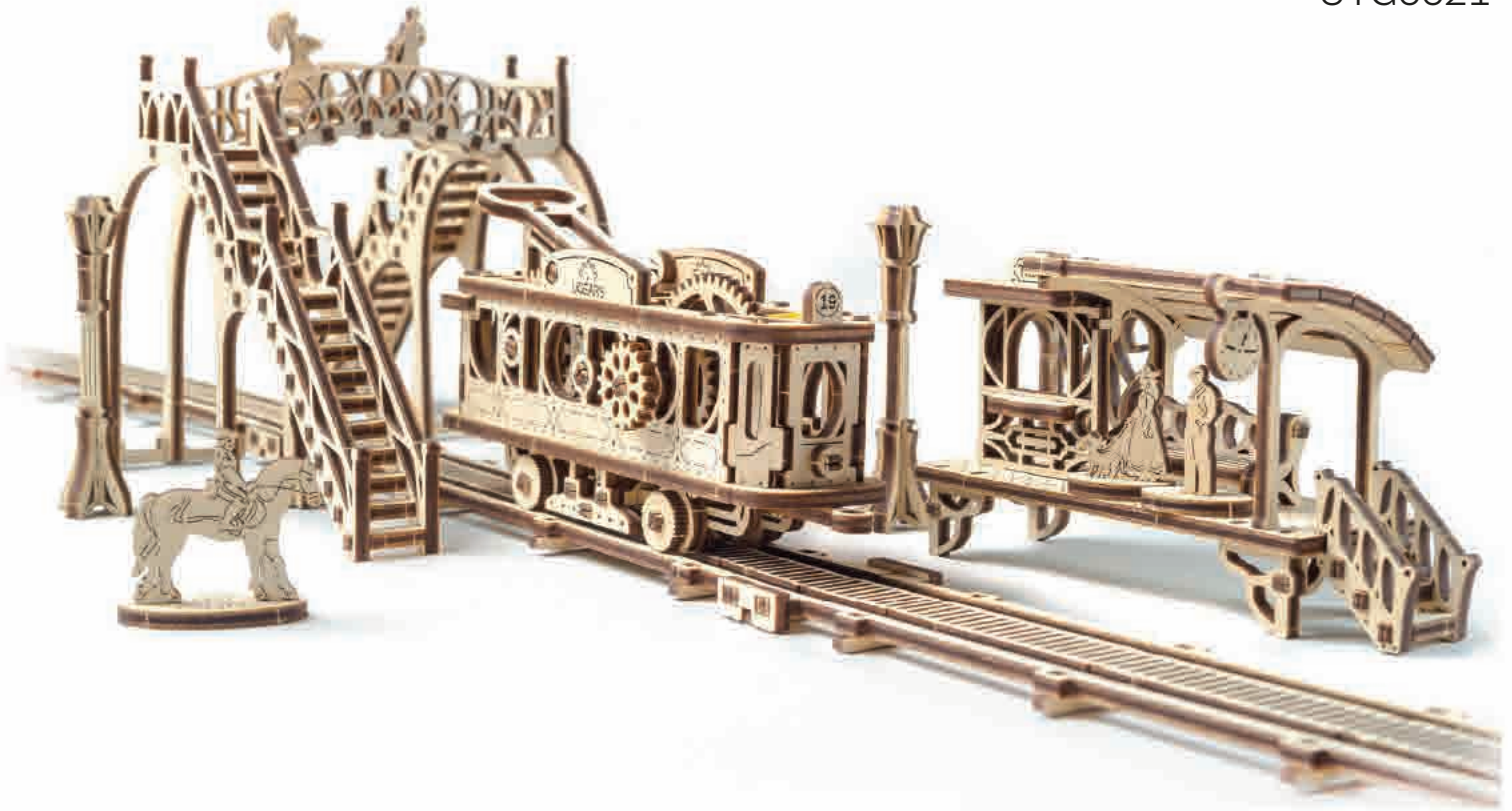
4 820184 120648

Case Pack: 3  
Assembly Time: 4-5 hours  
Model size: 15.7 x 8.7 x 6.5 in



# TRAM LINE MECHANICAL TOWN SERIES

UTG0021



\$45.00



4 820184 120570

Case Pack: 6  
Assembly Time: 3-5 hours  
Model size: 35.4 x 7.1 x 4.7 in



## TREASURE BOX

UTG0029



\$55.00

Case Pack: 6  
Assembly Time: 2-3 hours  
Model size: 5.6 x 5.6 x 3.6 in



4 820184 120594

## U-9 GRAND PRIX CAR

UTG0031



\$57.00

Case Pack: 5  
Assembly Time: 7-8 hours  
Model size: 13.8 x 3.7 x 5.1 in



4 820184 120686



UTG0032

WOLF-01 HANDGUN



62



14<sup>+</sup><sub>↓</sub>

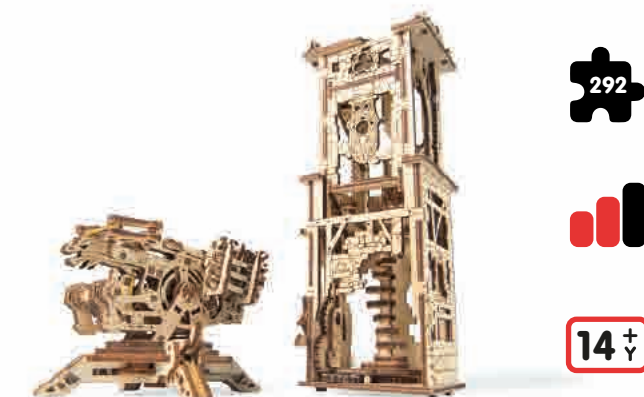


\$30.00

Case Pack: 6  
Assembly Time: 1 hour  
Model size: 9.1 x 54.1 x 1.0 in

UTG0034

ARCHBALLISTA-TOWER



292



14<sup>+</sup><sub>↓</sub>



\$50.00

Case Pack: 6  
Assembly Time: 6 hours  
Tower Size: 6.0 x 3.8 x 3.8 in  
Archballista: 3.5 x 3.2 x 5.6 in

UTG0035

STAGECOACH



248



14<sup>+</sup><sub>↓</sub>



\$48.00

Case Pack: 6  
Assembly Time: 4-5 hours  
Model size: 15.7 x 4.9 x 6.3 in

UTG0037

ROADSTER VM-01



437



14<sup>+</sup><sub>↓</sub>



\$65.00

Case Pack: 4  
Assembly Time: 6-7 hours  
Model size: 11.8 x 5.1 x 3.9 in

UTG0038

BIKE VM-02



189



14<sup>+</sup><sub>↓</sub>



\$38.00

Case Pack: 6  
Assembly Time: 3-4 hours  
Model size: 10.1 x 3.3 x 4.1 in

UTG0039

HEAVY BOY TRUCK VM-03



541



14<sup>+</sup><sub>↓</sub>



\$90.00

Case Pack: 3  
Assembly Time: 8-9 hours  
Model size: 15.0 x 5.1 x 6.7 in

# UTG0040 TRAILER FOR TRUCK VM-03



\$40.00

Case Pack: 6  
Assembly Time: 2 hours  
Model size: 14.2 x 4.7 x 6.3 in

# UTG0043

# HORSE-MECHANOID



\$60.00

Case Pack: 4  
Assembly Time: 9 hours  
Model size: 13.8 x 11.4 x 4.7 in

# UTG0044

# TRIMARAN MERIHOBUS

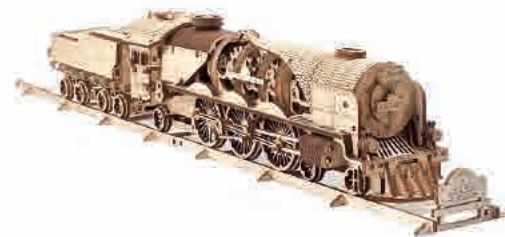
\$60.00



Case Pack: 5  
Assembly Time: 15 hours  
Model Size: 16.1 x 9.3 x 22 in

# UTG0045

# V-EXPRESS STEAM TRAIN WITH TENDER



\$90.00

Case Pack: 3  
Assembly Time: 10 hours  
Train Size: 22.0 x 4.7 x 4.7 in  
Track size: 96.5 x 4.7 x 4.7 in

# UTG0046

# TOWER WINDMILL

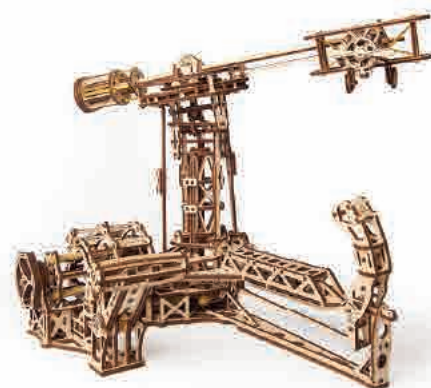


\$90.00

Case Pack: 3  
Assembly Time: 15 hours  
Model Size: 13.8 x 19.1 x 8.7 in

# UTG0047

# AVIATOR



\$90.00

Case Pack: 3  
Assembly Time: 15 hours  
Console Size: 16.5 x 13.4 x 12.2 in  
Plane Size: 5.7 x 4.7 x 3.1 in  
Helicopter Size: 8.7 x 7.3 x 3.5 in



UTG0048

ROYAL CARRIAGE



\$45.00

Case Pack: 4  
Assembly Time: 4 hours  
Model Size: 20.5 x 4.7 x 5.3 in

UTG0049

DREAM CABRIOLET VM-05



\$90.00

Case Pack: 3  
Assembly Time: 13 hours  
Model Size: 13.8 x 6.2 x 3.5 in

UTG0050

FLIGHT STARTER



\$45.00

Case Pack: 6  
Assembly Time: 3 hours  
Model Size: 11.2 x 13.4 x 7.5 in

UTG0057

TUGBOAT



\$90.00

Case Pack: 5  
Assembly Time: 3 hours  
Model Size: 11.2 x 4.7 x 7.3 in

UTG0058

MONOWHEEL



\$47.00

Case Pack: 5  
Assembly Time: 3 hours  
Model Size: 7.3 x 3.7 x 6.3 in

UTG0059

BUTTERFLY



\$50.00

Case Pack: 6  
Assembly Time: 3 hours  
Model Size: 14.2 x 22.8 x 22.8 in

UTG0061

ANTIQUE BOX



\$55.00

Case Pack: 5  
Assembly Time: 4 hours  
Closed Model Size: 6.9 x 5.5 x 3.9 in  
Open Model Size: 11.0 x 8.7 x 7.9 in

UTG0062

AMBER BOX



\$70.00

Case Pack: 5  
Assembly Time: 4 hours  
Closed Model Size: 6.9 x 5.5 x 3.9 in  
Open Model Size: 11.0 x 8.7 x 7.9 in

UTG0067

CAROUSEL



\$60.00

Case Pack: 4  
Assembly Time: 7 hours  
Model Size: 8.3 x 8.3 x 10.2 in

UTG0068

GLOBUS



\$48.00

Case Pack: 5  
Assembly Time: 5 hours  
Model Size: 8.3 x 7.3 x 7.3 in

UTG0070

CASH REGISTER



\$70.00

Case Pack: 3  
Assembly Time: 5 hours  
Model Size: 15 x 7.5 x 8 in

UTG0071

RESEARCH VESSEL



\$73.00

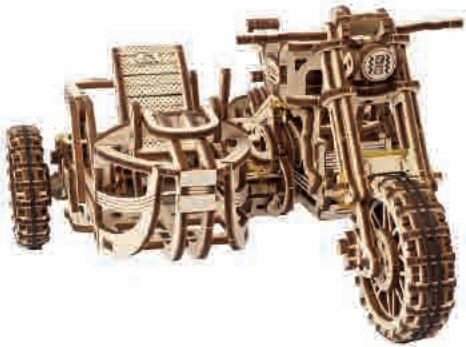
Case Pack: 4  
Assembly Time: 8 hours  
Model Size: 15 x 7.5 x 8 in



# MOTORCYCLE SCRAMBLER

## UGR-10 WITH SIDECAR

UTG0072



380



14



\$40.00

Case Pack: 6  
Assembly Time: 7 hours  
Model Size: 8.7 x 6.3 x 4.5 in

# AUTOMATON CYCLIST

UTG0077



189



14



\$34.00

Case Pack: 6  
Assembly Time: 4 hours  
Model Size: 9.6 x 6.9 x 4.7 in

# WINDSTORM DRAGON

UTG0080

Case Pack: 5  
Assembly Time: 6 hours  
Model size: 20.9 x 19.1 x 11.4 in

320



14



\$57.00



## AERO CLOCK

UTG0083



\$90.00



14<sup>+</sup>  
Y



4 820184 121232

Case Pack: 3  
Assembly Time: 11 hours  
Model size: 29.5 x 18.5 x 6.5 in

UTG0084

AQUARIUM



14<sup>+</sup>  
Y



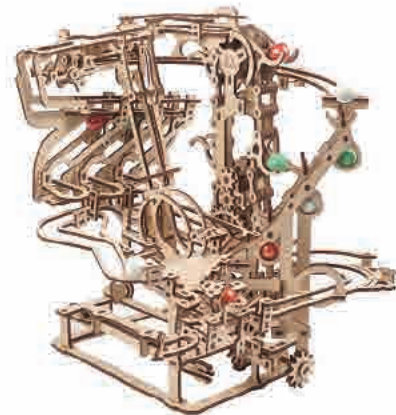
4 820184 121263

\$63.00

Case Pack: 5  
Assembly Time: 6 hours  
Model size: 9.3 x 9.3 x 7.9 in

UTG0085

MARBLE TRACK



14<sup>+</sup>  
Y



4 820184 121270

\$58.00

Case Pack: 5  
Assembly Time: 7 hours  
Model size: 10.8 x 12 x 10.6 in

UTG0086

HEXAPOD EXPLORER



14<sup>+</sup>  
Y



4 820184 121294

\$57.00

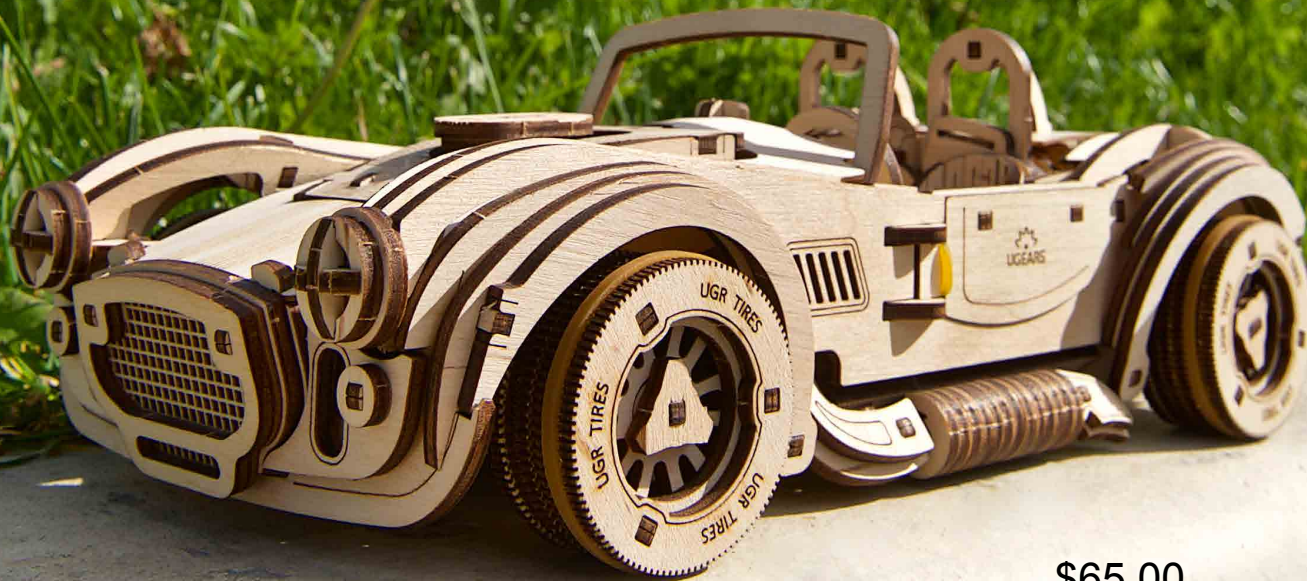
Case Pack: 5  
Assembly Time: 8 hours  
Model size: 10.6 x 8.7 x 3.7 in



# DRIFT COBRA RACING CAR

## UTG0088

NEW



\$65.00



Case Pack: 5  
Assembly Time: 9 hours  
Model size: 10 x 8.3 x 4.5 in

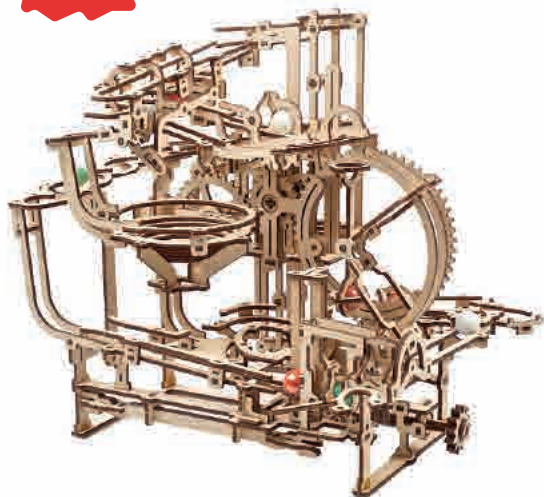


14<sup>+</sup>Y

# MARBLE RUN STEPPED HOIST

## UTG0087

NEW



14<sup>+</sup>Y

\$58.00

Case Pack: 5  
Assembly Time: 8 hours  
Model size: 11.6 x 10.6 x 10.8 in



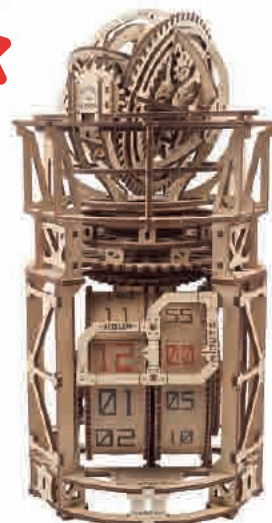
# SKY WATCHER TOURBILLON

## TABLE CLOCK

### UTG0089

Type text here

NEW



14<sup>+</sup>Y

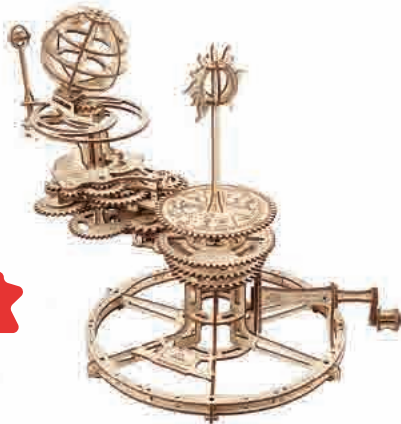
\$90.00

Case Pack: 4  
Assembly Time: 15 hours  
Model size: 12 x 7.1 x 6.5 in



## UTG0090 MECHANICAL TELLURION

NEW



249



14<sup>+</sup><sub>Y</sub>



\$57.00

Case Pack: 5  
Assembly Time: 5 hours  
Model size: 15.9 x 10.2 x 12 in

## UTG0091

## MOTO COMPACT FOLDING SCOOTER

NEW



192



14<sup>+</sup><sub>Y</sub>



\$36.00

Case Pack: 6  
Assembly Time: 4 hours  
Model size: 5.7 x 2.4 x 4.3 in

## VINTAGE ALARM CLOCK

Type text here

NEW



43



14<sup>+</sup><sub>Y</sub>

\$14.00

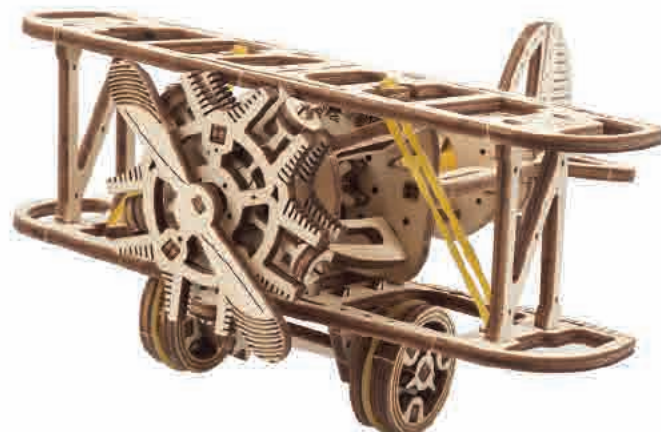


Case Pack: 5  
Assembly Time: 1 hours  
Model size: 3.7 x 2 x 5 in

## MINI-BIPLANE

UTG0093

NEW



84



14<sup>+</sup><sub>Y</sub>

\$14.00



Case Pack: 5  
Assembly Time: 1 hours  
Model size: 6 x 5.1 x 3.1 in



UTG0052

DICE KEEPER



62



14<sup>+</sup><sub>Y</sub>



\$20.00

Case Pack: 4/12  
Assembly Time: 1 hour  
Model size: 3.1 x 2.6 x 3.0 in

UTG0053

DECK BOX



65



14<sup>+</sup><sub>Y</sub>



\$25.00 \$14.00 Case Pack: 4/12  
Assembly Time: 1 hour  
Model size: 3.7 x 3.3 x 4.4 in

UTG0054

MODULAR DICE TOWER



172



14<sup>+</sup><sub>Y</sub>



\$45.00

Case Pack: 4/8  
Assembly Time: 1 hour  
Dice Cup size: 3.3 x 3.0 x 3.0 in  
Dice Tower size: 13.1 x 3.3 x 10.7 in

UTG0055

CARD HOLDER



77



14<sup>+</sup><sub>Y</sub>



\$50.00

Case Pack: 5  
Assembly Time: 1 hour  
Model size: 9.6 x 9.3 x 4.4 in

UTG0056

GAME MASTER'S SCREEN



160



14<sup>+</sup><sub>Y</sub>



\$65.00

Case Pack: 4  
Assembly Time: 1 hour  
Model size (unfolded): 34.3 x 10.4 x 13.2 in  
Model Size (folded): 11.8 x 2.8 x 13 in

UTG0022

DATE NAVIGATOR



24



5<sup>+</sup><sub>Y</sub>



\$14.00

Case Pack: 5/50  
Assembly Time: 20 Minutes  
Model size: 4.1 x 3.9 x 0.7 in

UTG0033

FLEXI-CUBUS



\$14.00

Case Pack: 5/50  
Assembly Time: 1 hour  
Model size: 4.5 x 2.4 x 1.1 in

UTG0051

WHEEL-ORGANIZER



\$14.00

Case Pack: 5/50  
Assembly Time: 1 hour  
Model Size: 4.3 x 3.5 x 3.7 in

UTG0060

STEAMPUNK CLOCK



\$14.00



Case Pack: 5/50  
Assembly Time: 1 hour  
Model Size: 2.1 x 3.1 x 4.9 in

UTG0069

MARS BUGGY



\$14.00

Case Pack: 5/50  
Assembly Time: 20 mins  
Model Size: 3.5 x 2.4 x 2.7 in

UTG0074

NATIVITY SCENE



\$19.00



Case Pack: 5/35  
Assembly Time: 20 mins  
Model Size: 5.9 x 1.9 x 5.4 in

UTG0075

MINI BUGGY



\$14.00



Case Pack: 5/50  
Assembly Time: 1 hour  
Model Size: 4.1 x 3.5 x 3.5 in



# FOLDABLE PHONE HOLDER

UTG0076

\$14.00



Case Pack: 5/30  
Assembly Time: 1 hour  
Model Size: 4.8 x 3.5 x 3.5 in



## UGEARS STEM LAB

UGEARS 3D puzzle kits are not just entertaining, they're educational. Taking the latest in STEM and implementing it into our models, we help kids and adults of all ages learn how science, technology, engineering and math work together in certain mechanisms. Our approach includes a hands-on, skills-based technique that doesn't require additional tools or adhesives. What you get in the kit is all you need to create your project.

Included with each model is a pocket study guide that details the creation story, mechanism design, the working principle

and ideas for engaging activities. For a more immersive experience, use UGEARS Augmented Reality App to discover how each mechanism is used and interact with them in a virtual 3D space.

Whether you're a teacher, a student or just someone looking to have a little fun, the STEM LAB by UGEARS covers all the bases. By creating these with someone you love, you'll cultivate relationships while getting that satisfactory feeling of building something with your own two hands.

Recommended Age: 8+



UTG0063

PENDULUM

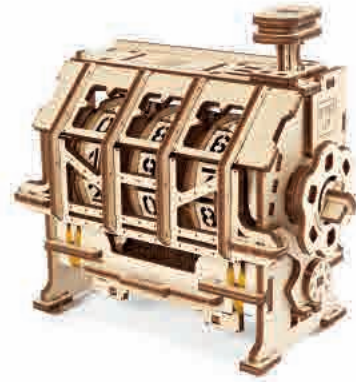


\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 4.5 x 3.3 x 6.6 in

UTG0064

COUNTER



\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 5.3 x 2.6 x 4.8 in

UTG0065

GEARBOX



\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 5.1 x 3.9 x 4.3 in

UTG0066

DIFFERENTIAL



\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 6.9 x 5.3 x 4.1 in

UTG0073

CURVIMETER

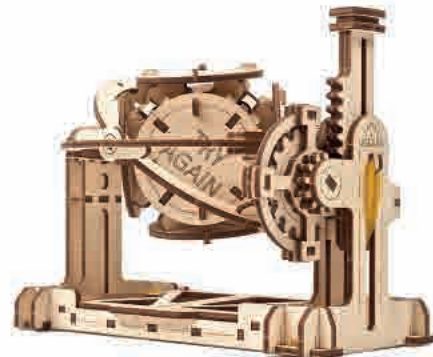


\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 5.1 x 2.4 x 4.1 in

UTG0078

RANDOM GENERATOR



\$28.00

Case Pack: 6  
Assembly Time: 2 hours  
Model Size: 6.8 x 4.8 x 5.2 in



UTG0079

VARIATOR



4 820184 121188

\$28.00

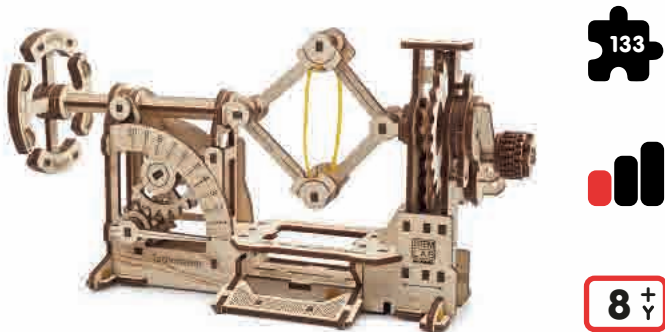
Case Pack: 6

Assembly Time: 2 hours

Model Size: 6.6 x 5 x 4.2 in

UTG0081

TACHOMETER



4 820184 121249

\$28.00

Case Pack: 6

Assembly Time: 2.5 hours

Model size: 9.4 x 4.1 x 4.8

UTG0082

ARITHMETIC KIT



4 820184 121256

\$28.00

Case Pack: 6

Assembly Time: 2.5 hours

Model Size: Addiator size: 8.5 x 4.3 x 0.91 in

Multiplier size: 9.8 x 10 x 1.6 in

UTG0023

U-FIDGETS SHIPS



4 820184 120631

\$14.00

Case Pack: 5/90

Number of parts:

Yacht - 13

Sailboat - 14

Boat - 12

Submarine - 17

Assembly Time: 10 Minutes

Model size: Yacht: 0.7 x 1.8 x 2.1 in

Sailboat: 0.9 x 2.0 x 2.6 in

Boat: 0.8 x 1.8 x 2.4 in

Submarine: 0.7 x 1.9 x 3.1 in

UTG0024

U-FIDGETS AIRCRAFTS



4 820184 120624

\$14.00

Case Pack: 5/90

Number of parts:

Helicopter - 15

Hydroplane - 19

Dirigible - 15

Airplane - 13

Assembly Time: 10 Minutes

Model size: Helicopter: 1.2 x 1.7 x 2.0 in

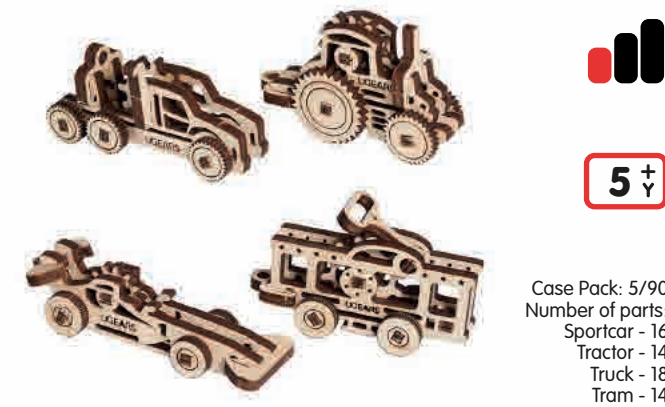
Hydroplane: 2.1 x 1.4 x 2.3 in

Dirigible: 0.7 x 1.3 x 2.9 in

Airplane: 2.4 x 1.5 x 2.5 in

UTG0025

U-FIDGETS VEHICLES



4 820184 120617

\$14.00

Case Pack: 5/90

Number of parts:

Sportcar - 16

Tractor - 14

Truck - 18

Tram - 14

Assembly Time: 10 Minutes

Model size: Sportcar: 1.1 x 0.9 x 3.1 in

Tractor: 0.8 x 1.6 x 2.6 in

Truck: 0.9 x 1.3 x 2.6 in

Tram: 0.9 x 1.8 x 2.6 in

UTG0026

U-FIDGETS TRIBIKS



5+

Case Pack: 5/90  
Number of Parts:  
Cat - 8  
Power - 10  
Heart - 8  
Brain - 8

Assembly Time: 10 Minutes  
Model Size: Cat: 1.3 x 0.9 x 2.2 in  
Power: 2.2 x 0.9 x 2.1 in  
Heart: 1.9 x 0.9 x 2.0 in  
Brain: 2.0 x 0.9 x 2.2 in



\$14.00

UTG0036

U-FIDGETS CREATION



5+

Case Pack: 5/90  
Number of Parts:  
Camera - 15  
Guitar - 8  
Book - 15  
Parthenon - 10

Assembly Time: 10 Minutes  
Model size: Camera: 1.1 x 1.7 x 2.0 in  
Guitar: 0.6 x 2.6 x 1.1 in  
Book: 0.8 x 1.8 x 1.7 in  
Parthenon: 0.7 x 1.5 x 2.7



\$14.00

UTG0041

U-FIDGETS  
HAPPY NEW GEAR



5+

Case Pack: 5/90  
Number of Parts:  
Ball Ornament - 8  
Clock - 13  
Sock - 8  
Christmas Tree - 8

Assembly Time: 10 Minutes  
Model size: Ball Ornament: 0.6 x 2.0 x 1.7 in  
Clock: 0.6 x 2.0 x 1.8 in  
Sock: 0.6 x 1.7 x 1.4 in  
Christmas Tree: 0.6 x 1.7 x 1.5 in



\$14.00

UTG0042

U-FIDGETS GEARSMAS



5+

Case Pack: 5/90  
Number of parts:  
Snowflake - 8  
Moon - 10  
Snowman - 10  
Bell - 8

Assembly Time: 10 Minutes  
Model size: Snowflake: 0.6 x 1.6 x 1.9 in  
Moon: 0.6 x 1.9 x 1.9 in  
Snowman: 0.6 x 1.9 x 1.5 in  
Bell: 0.6 x 1.8 x 1.5 in



\$14.00

U-FIDGETS MODELS DISPLAY  
DISP001

This display includes an assortment of 5 different U-Fidgets styles and is a perfect way to introduce the series to your store. Increase your sales with this eye-catching display



Display includes 15 U-Fidgets  
(3 units of each style listed below):

UTG0023 U-Fidgets Ships - 4820184120631  
UTG0024 U-Fidgets Aircrafts - 4820184120624  
UTG0025 U-Fidgets Vehicles - 4820184120617  
UTG0026 U-Fidgets Tribiks - 4820184120587  
UTG0036 U-Fidgets Creation - 4820184120693

The display can always be re-filled with new U-Fidgets

Size: 17.1 x 3.5 x 4.7 in

Type text here