



Assemble Me.  
Keep Cash In Me

Find out MORE



UGEAR<sup>®</sup>  
Mechanical models

## Model «Cash Register» Модель «Касовий апарат»

DEU Modell «Registrierkasse». FRA Modèle «Caisse enregistreuse».  
POL Model «Kasa». SPA Modelo «Caja registradora».

ITA Modello «Registratore di Cassa». RUS Модель «Кассовый аппарат».  
JAP キャッシュレジスター KOR 금전등록기  
CHI 收银机

## Assembly instructions Інструкція зі складання

DEU Aufbauanleitung. FRA Notice d'assemblage.  
POL Instrukcja montażu. SPA Instrucciones de montaje.  
ITA Istruzioni di montaggio. RUS Инструкция по сборке.  
JAP 組み立て説明書 KOR 조립 설명서  
CHI 装配说明书



NATURAL



NO GLUE  
CONNECTION



SELF ASSEMBLY



MECHANICAL



EDUCATIONAL

## Mechanical models

**ENG**

Assembly instructions:  
Remove model parts from the hanger board as illustrated below. Careful not to break parts. If a part does not remove easily, carefully cut it out with a knife. This model is intended for self-assembly without glue. If you have difficulty installing the axles, try waxing them with a regular candle. All moving parts can also be waxed during assembly to reduce friction when operating the model.

**UKR**

Інструкція зі складання:  
Витягніть з дошки позначені на схемі деталі. Намагайтесь їх не зламати. Якщо деталь не виймається, надішніть перемички ножем. Конструкція збирається без клею. У разі виникнення труднощів з протягуванням вісі в отвір, потрійте деталь об звичайну свічку. Також можна змастити свічкою всі деталі механізму, що рухаються, щоб зменшити тертя при обертанні.

**DEU**

Aufbauanleitung:  
Bitte die in der Zeichnung angegebenen Teile aus der Platte herausnehmen. Versuchen Sie bitte diese nicht zu brechen. Wenn sich ein Teil nicht herausnehmen lässt, schneiden Sie die Stege mit dem Messer leicht an. Das Modell wird ohne Klebstoffe zusammengesetzt. Lässt sich eine Achse nur schwer in eine Öffnung einführen, reiben Sie diese mit einer Kerze etwas ein. Für besseres Gleiten schmieren Sie alle beweglichen Teile mit einer Kerze.

**FRA**

Notice d'assemblage:  
Faites sortir de la planche les pièces comme indiquées sur le schéma. Tâchez de ne pas les casser. Si la pièce ne sort pas, incisez les collages/fixations avec un couteau. La construction est à assembler sans colle. Si il est difficile d'introduire l'axe en bois dans l'orifice, frottez au préalable l'axe ou les pièces contre une bougie. Pour améliorer le glissement, traitez les pièces de frottement mobiles du mécanisme avec une bougie au cours d'assemblage.

**POL**

Instrukcja montażu:  
Delikatnie wyciągaj z deseczki wskazane w schemacie detały, starając się nie połamać elementów. Jeśli detal nie poddaje się, podnij wiązadła nożem. Konstrukcja składa się bez kleju. Jeśli napotkasz trudności z instalacją drewnianej osi w otwór, potrzymaj na początku osi lub detały o woskową świecę. Dla lepszego poślizgu polecam smarowanie ruchomych części mechanizmu zwykłą świecą podczas montażu.

**SPA**

Instrucciones de montaje:  
Saque de la tabla las piezas marcadas en el esquema. Trate de no romperlas. Si una pieza no se saca, haga una incisión. La construcción va sin pegamento. Si tiene dificultades con la instalación del eje de madera en un agujero, frote primero el eje o las piezas contra una vela. Para un mejor deslizamiento, lubrique durante el montaje las piezas móviles del mecanismo con una vela común.

**ITA**

Istruzioni di montaggio:  
Estrarre dal telaio i particolari indicati nello schema. Fare attenzione a non romperli. Se un particolare non si stacca, tagliare delicatamente gli elementi di collegamento con un coltello. L'assieme viene realizzato senza colla. In caso di difficoltà nell'insерimento di un perno in legno, è necessario sfregare il perno o il particolare con un po' di cera. Per uno scorrimento migliore incarena le parti mobili del meccanismo durante l'assemblaggio.

**RUS**

Инструкция по сборке:  
Вынимайте из доски обозначенные на схеме детали. Страйтесь их не сломать. Если деталь не извлекается, надрежьте перемычки ножом. Конструкция собирается без клея. Если возникли трудности с установкой деревянной оси, перед установкой потрите детали об обычную свечу. Для лучшего скольжения смазывайте движущиеся детали механизма обычной свечой во время сборки.

**JAP**

組み立て説明書：  
部品に傷をつけないように注意しながらボードから外してください。部品が外れにくいう場合は連結部分をカッターで切ってから外すと外しやすいです。本製品は、接着剤がなくても組み立てができるように設計されています。もしアクスル(駆動部)が、歯車の動きがぶい場合は、ロウソクをアクスルに塗ってください。全ての駆動部分は製品を動かす時、滑らかに動くよう潤滑剤であるロウソクを塗りながら組み立てます。

**KOR**

조립 설명:  
부품이 손상되지 않도록 주의 하여 보드에서 떼어냅니다. 만약 부품이 잘 떨어지지 않으면 연결 부분을 칼로 절단 한 후 떼어내면 쉽게 떼어 낼 수 있습니다. 본 제품은 접착제가 없이 조립이 가능하도록 설계되어 있습니다. 만약 축이 잘 끼워지지 않는 경우 양초를 축에 바른 후 끼워 보세요. 모든 구동 부위는 제품 구동 시 원활한 작동이 가능하도록 조립 과정에서 윤활제(양초) 양초를 발라 주세요.

**CHI**

装配说明  
将模型部件按插图示，从胶合板取下。小心不要损坏件。如果取下时候有难度，请用小刀小心的切割连接点。这个产品不需要胶水粘接。如果安装转轴的时候有难度，请用普通的蜡加以润滑。所有的转动部分也需要打蜡润滑。



ENG Do not use a lighted candle! UKR Не підпалювати!  
DEU Nicht anzünden! FRA Ne pas brûler! POL Nie podpalać!  
SPA ¡No encender! ITA Non dare fuoco! RUS Не поджигать!  
JAP 火のついたロウソクの使用はお止めください。  
KOR 불이 붙은 초를 이용하지 마세요! CHI 请勿点燃，请勿靠近火源！



ENG Wax the part with a regular candle (rub with a candle). UKR Змастіть деталь звичайною свічкою (потрій об свічку). DEU Reiben Sie das Teil mit einer einfachen Kerze etwas ein. FRA Lubrifiez la pièce avec une bougie ordinaire (frottez contre la bougie). POL Przesmaruj zwykłą świecą. SPA Engrase la pieza con una vela común (frote con una vela). ITA Incerare il componente (Sfregare con la cera). RUS Смажьте деталь обычной свечкой (потрите о свечку). JAP 表示された部分に潤滑剤としてロウソクを塗ってください  
KOR 표시된 부분에 윤활을 위해 초를 칠해 주세요. CHI 用普通蜡烛涂抹润滑部件。



ENG Pay attention. Check for correct orientation or positioning. UKR Зверніть увагу. Перевірте розташування елемента. DEU Bitte Beachten. Prüfen Sie die Einbaulage des Elementes. FRA Faites attention. Vérifiez la disposition de l'élément. POL Zwróć uwagę. Sprawdź lokalizację elementu. SPA Atención. Compruebe la situación del elemento. ITA Prestare attenzione. Controllare la posizione del componente. RUS Обратите внимание. Проверьте расположение элемента. JAP 方向及び位置に注意して組み立てて下さい  
KOR 방향 또는 위치에 주의해서 조립해 주세요. CHI 注意！检查部件方向和位置



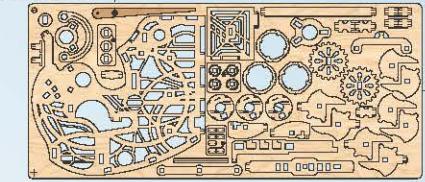
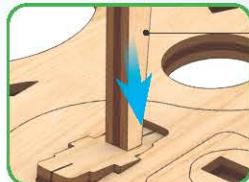
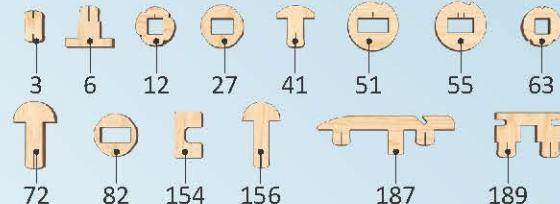
ENG Break off or cut out. UKR Відламайте або відріжте. DEU Abbrechen oder Abschneiden. FRA Coupez ou cassez. POL Odflam lub odetnij. SPA Rompa o corte. ITA Staccare o tagliare. RUS Отломайте или отрежьте. JAP 切ってください。 KOR 잘라내 주세요. CHI 切断



ENG Place symmetrically. UKR Розташуйте симетрично. DEU Symmetrisch anordnen. FRA Placez les de façon symétrique. POL Rozmieśc symetrycznie. SPA Disponga simétricamente. ITA Disporre gli elementi simmetricamente. RUS Расположите симметрично. JAP 中央に配置してください。 KOR 중간으로 정렬해 주세요. CHI 调试对称度

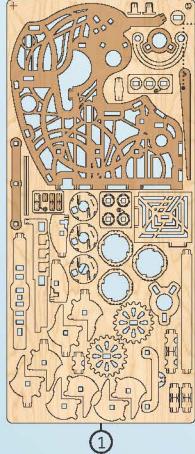


ENG Spare parts. UKR Запасні деталі. DEU Ersatzteile. FRA Pièces de rechange. POL Części zamiennne. SPA Piezas de repuesto. ITA Pezzi di ricambio. RUS Запасные детали. JAP 予備部品 KOR 여유 부품입니다. CHI 备用件

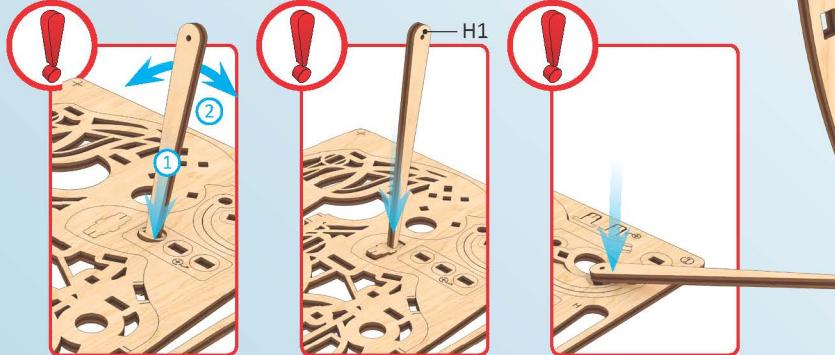


ENG This is not a structural component; it is a tool for measurement and assembly. UKR Це не деталь конструкції, а допоміжний інструмент для складання або вимірювання відстаней. DEU Es ist kein Teil der Konstruktion, sondern ein Hilfselement für den Zusammenbau oder für das Messen der Abstände. FRA Cette pièce ne fait pas partie de la construction mais constitue un outil annexé pour l'assemblage ou la mesure des distances. POL To nie detal konstrukcji, a pomocnicze narzędzie dla montażu i wymiaru odległości. SPA No es una pieza de la construcción sino un instrumento auxiliar para montar o para medir distancias. ITA Non è un componente del modello, ma un'attrezzatura aggiuntiva per il montaggio o il rilievo delle quote. RUS Это не деталь конструкции, а вспомогательный инструмент для сборки или измерения расстояний. JAP この部品は完成時の部品ではなく、組み立てをサポートしたり測定する道具です。 KOR 이 부품은 조립을 위한 부품이 아니고 조립을 돕거나 측정을 위한 도구입니다. CHI 这不是装配零件，是一种测量及安装辅助工具。

## Mechanical models



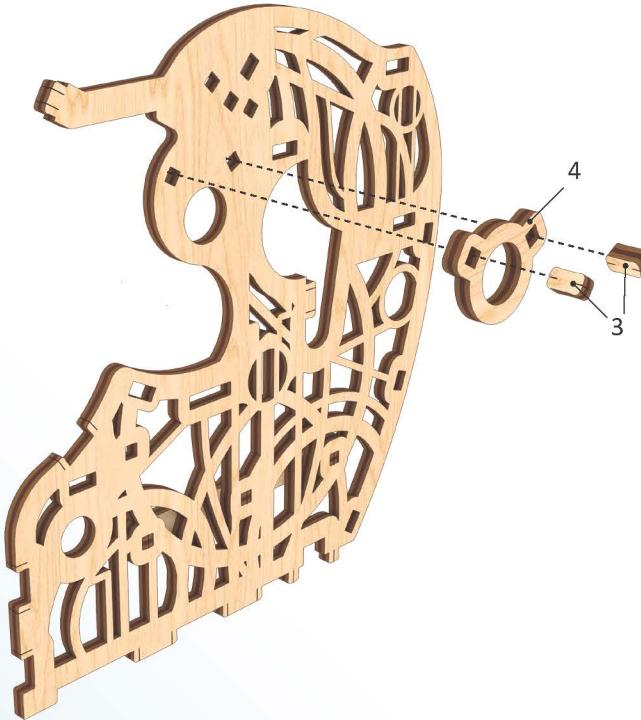
**ENG** It's easier to pull out some parts with the «helper (H1)». **UKR** Буде легше видавити готові деталі за допомогою «helper (H1)». **DEU** Es ist einfacher, einige Teile mit dem «Helfer (H1)». **FRA** Il est plus facile de retirer certaines pièces avec la pièce-outils (H1). **POL** Niektóre części łatwiej jest wyciągnąć za pomocą «pomocnika (H1)». **SPA** Para separar algunas partes resulta más fácil utilizando la ayuda del elemento «(H1)». **ITA** È più facile estrarre alcuni elementi utilizzando l'«aiuto (H1)». **RUS** Будет легче выдавить готовые детали с помощью «helper (H1)». **JAP** ある部品は「helper (H1)」を使うと取り外しやすいです。 **KOR** 일부 부품은 «H1» 도구를 이용하여 떼어내면 쉽습니다. **CHI** 使用 «helper (H1)» 可以更容易地拉出某些零件。



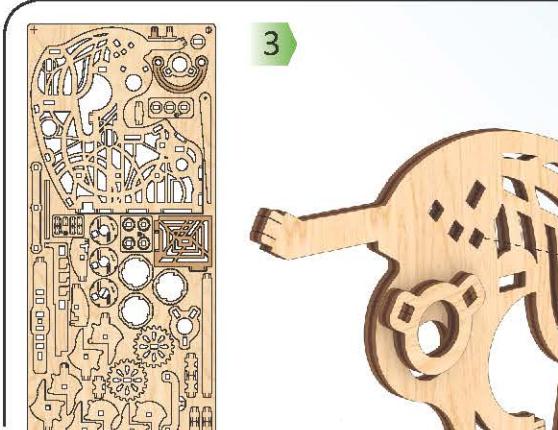
1



2



4



3



4

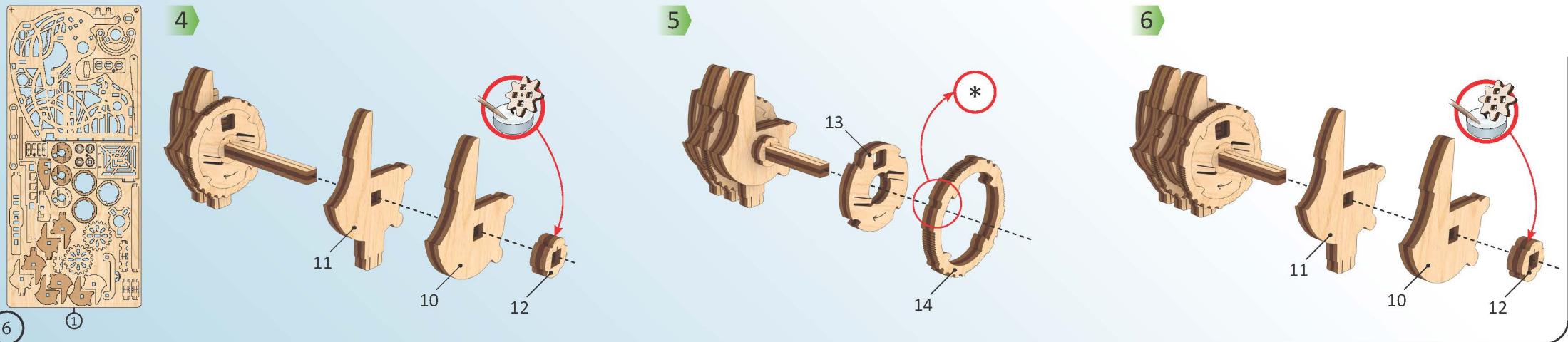
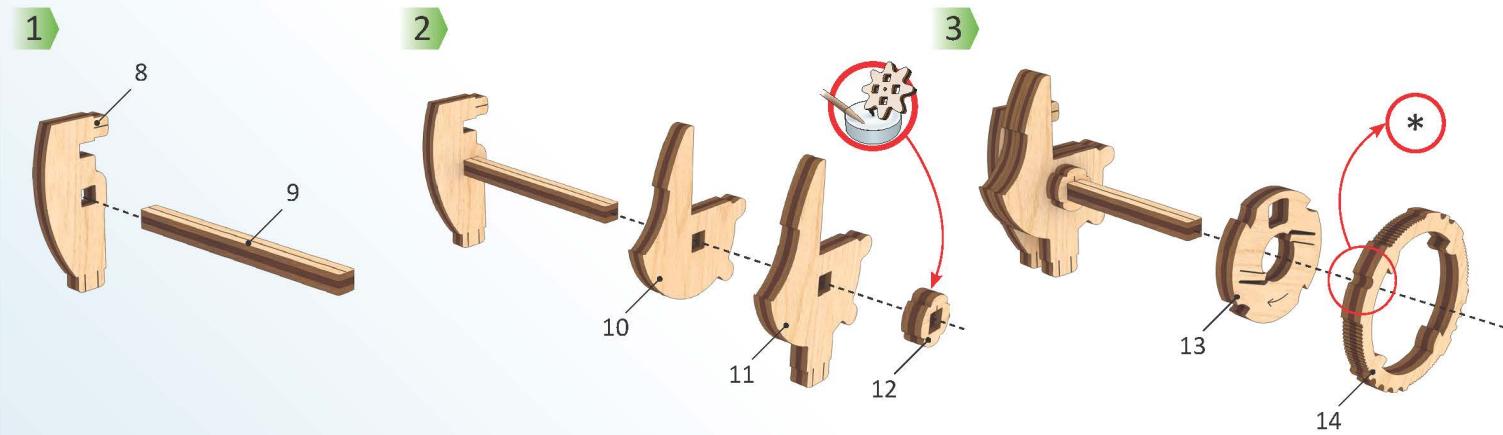
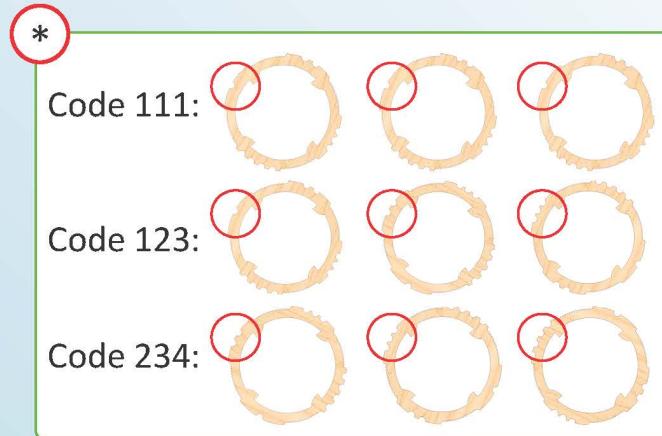


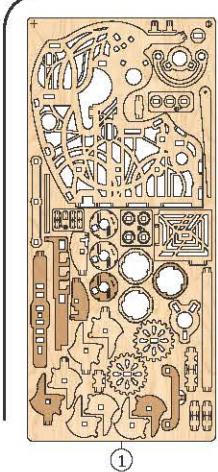
a1



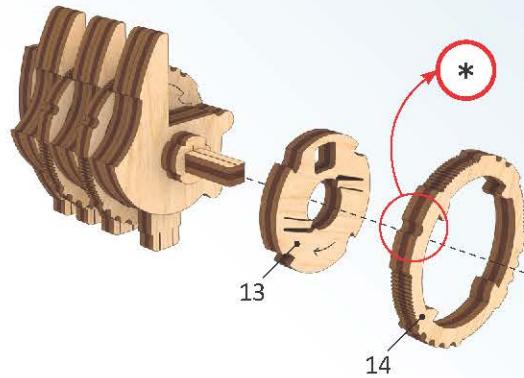
5

Mechanical models

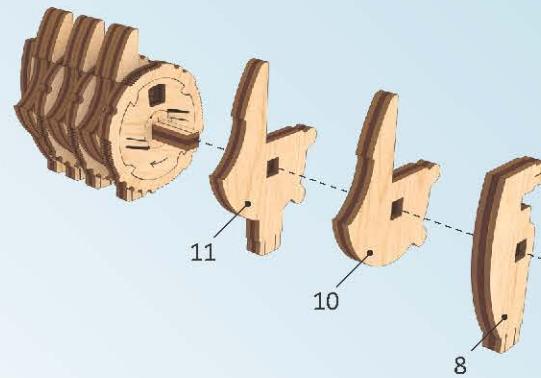




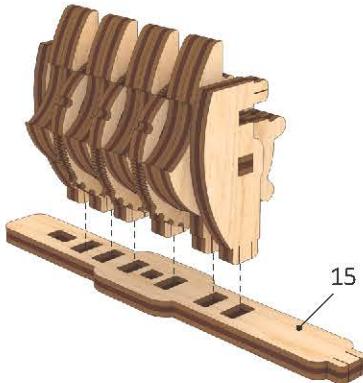
7



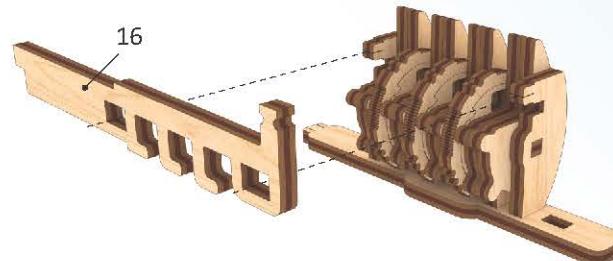
8



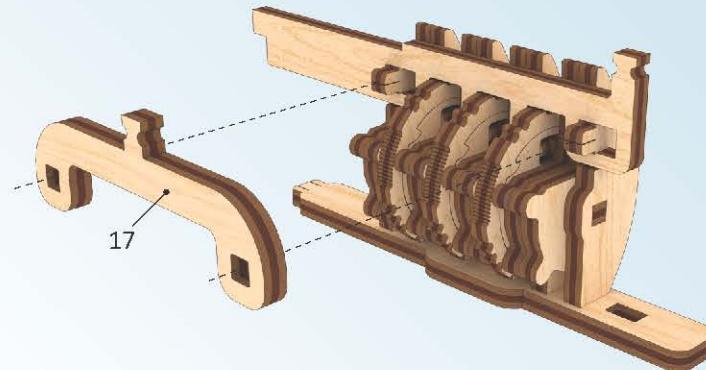
9



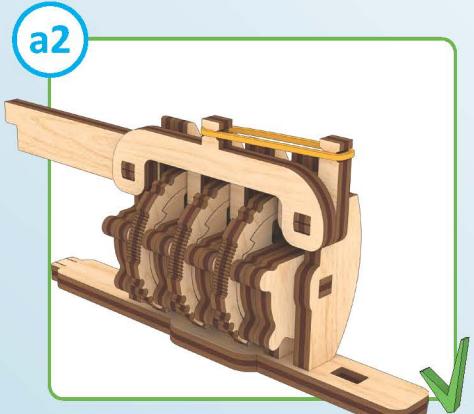
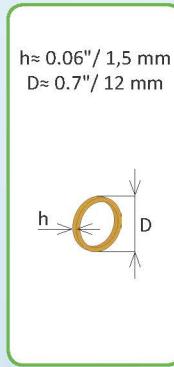
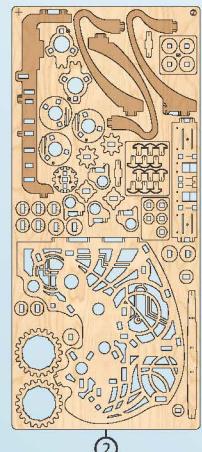
10



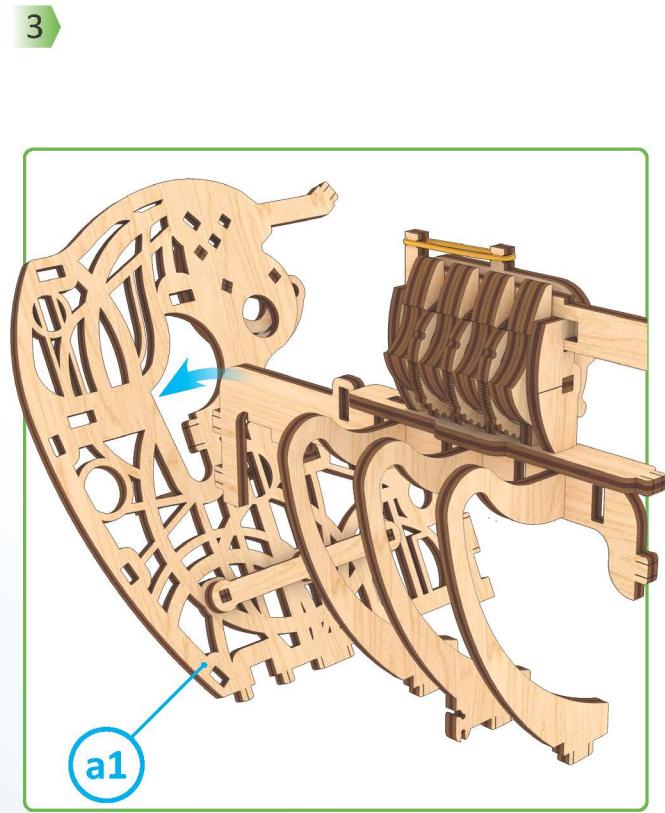
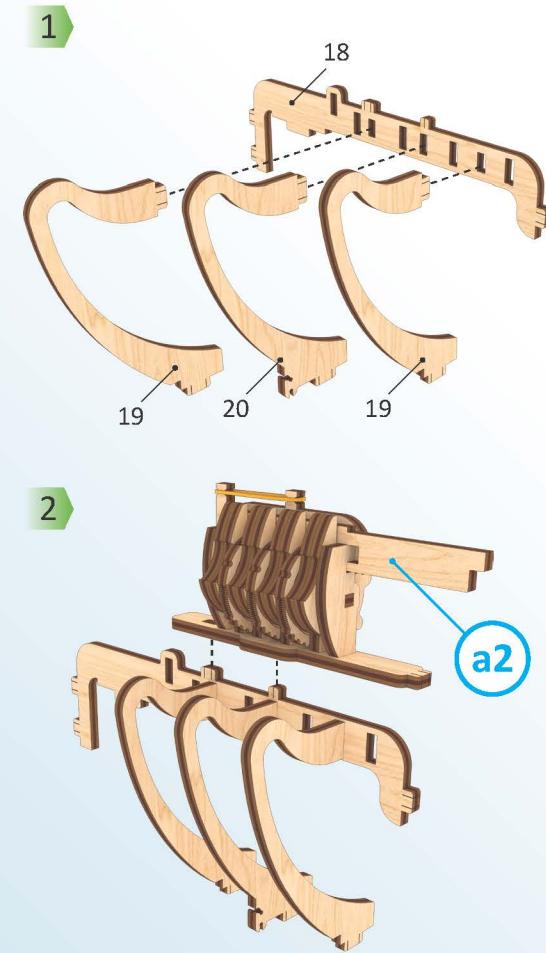
11



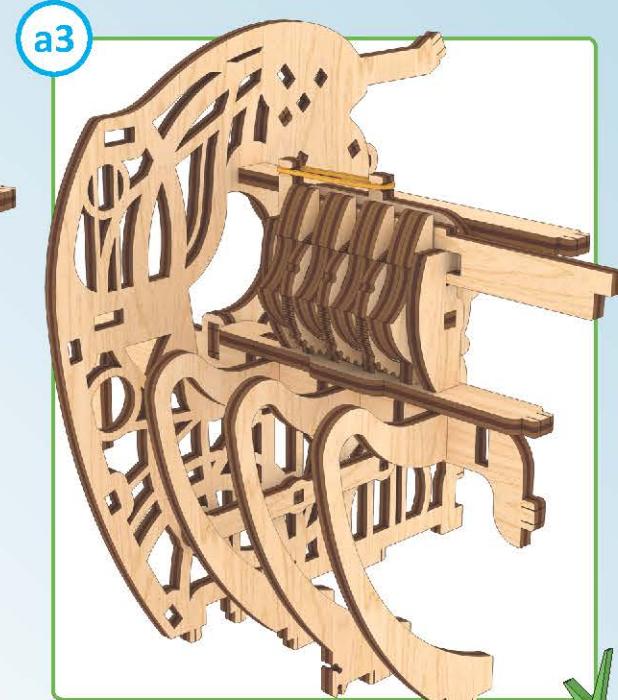
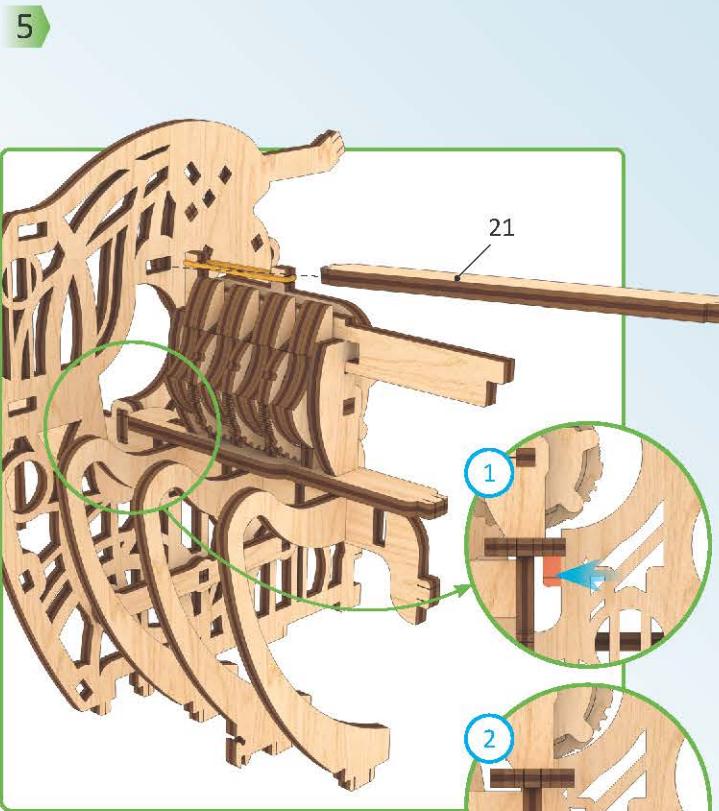
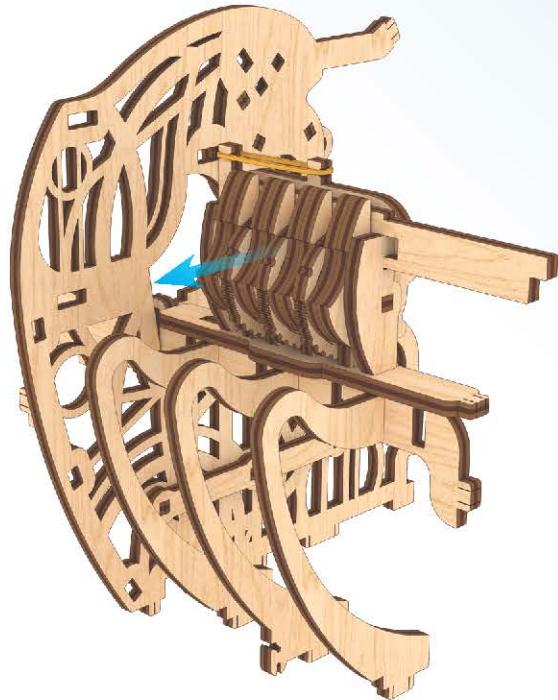
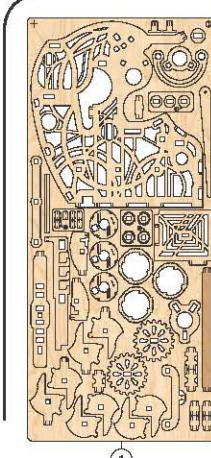
Mechanical models



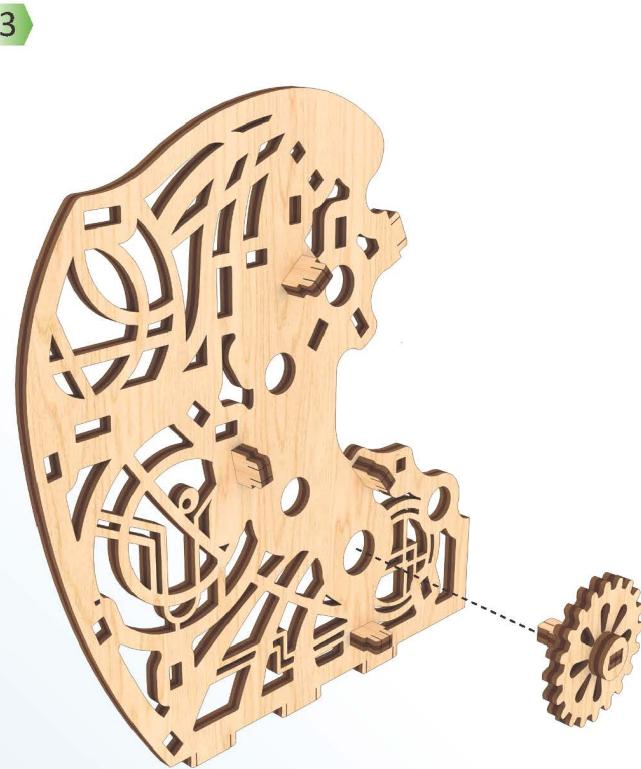
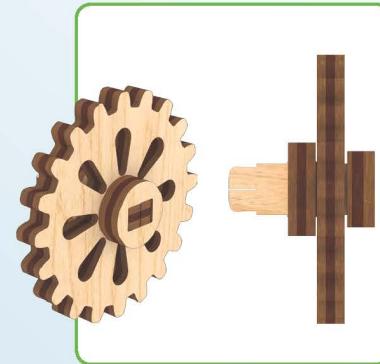
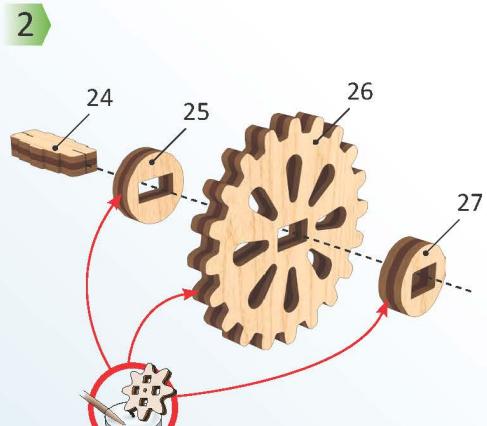
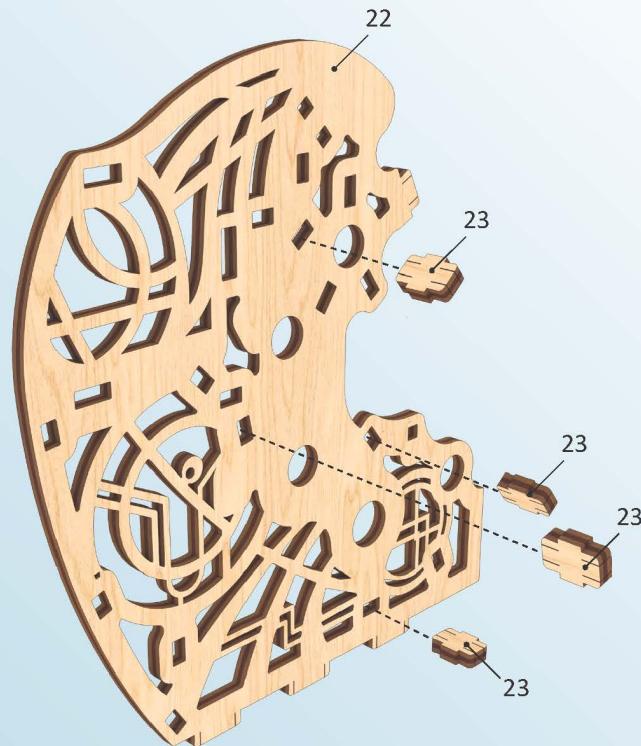
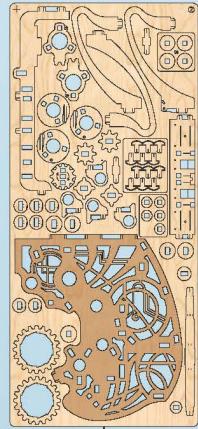
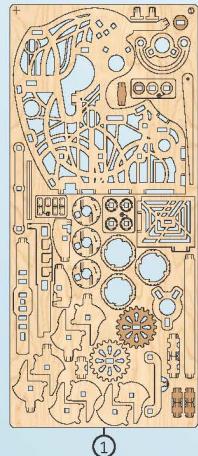
8

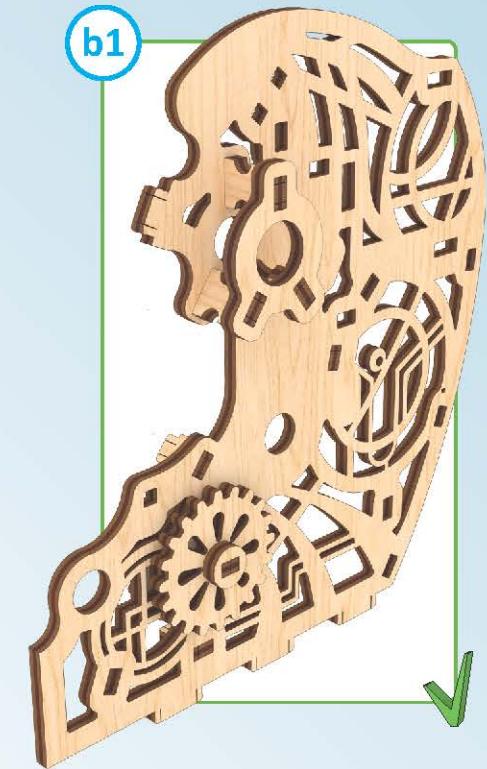
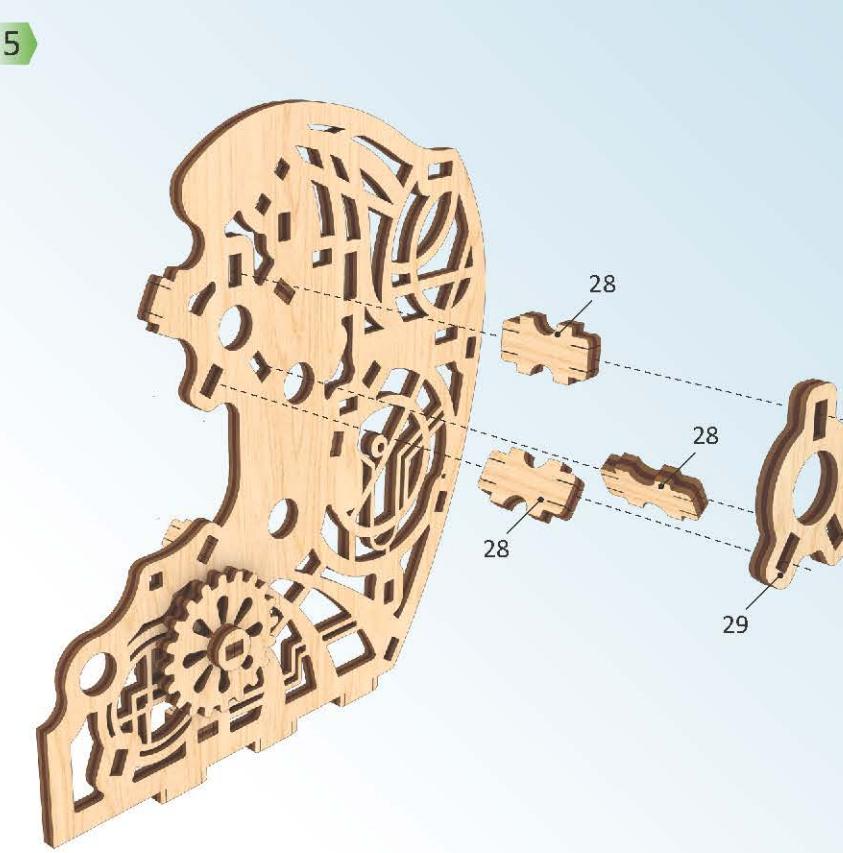
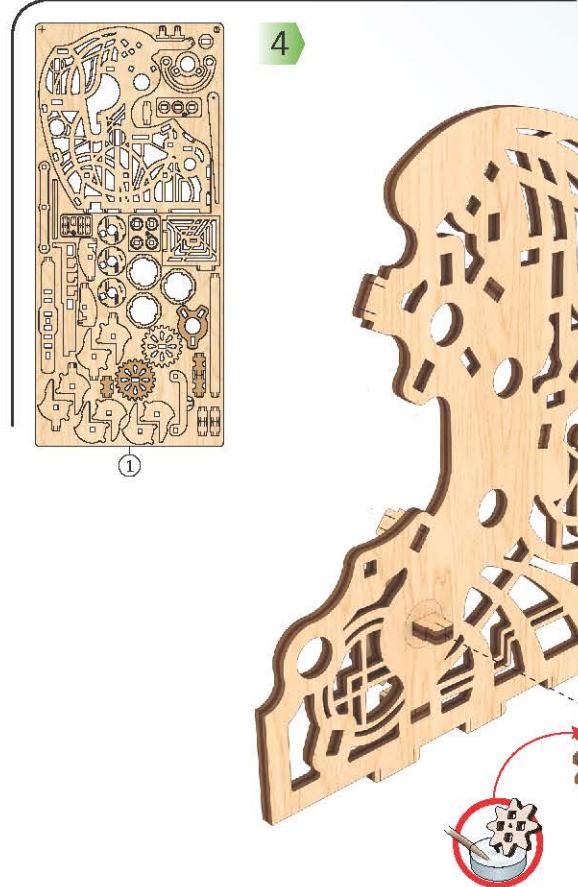


a1

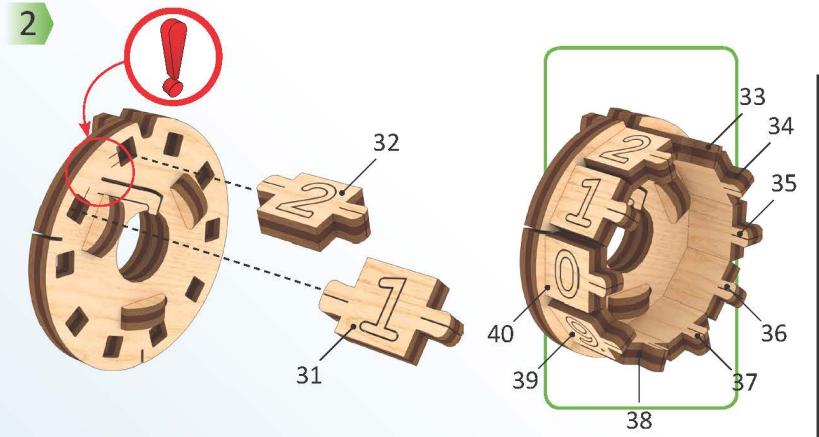
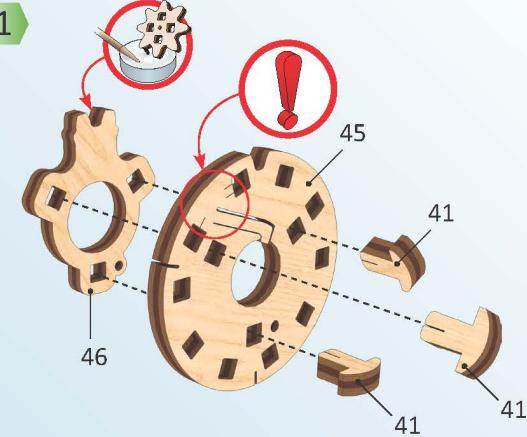
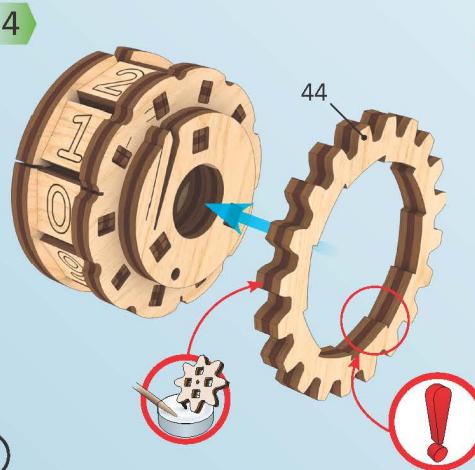
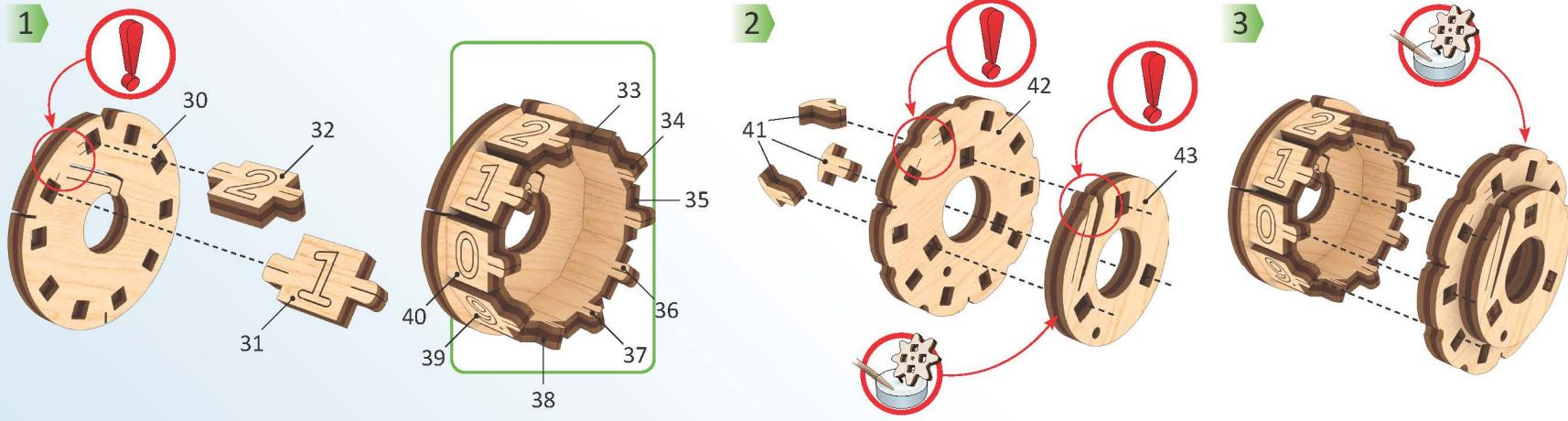
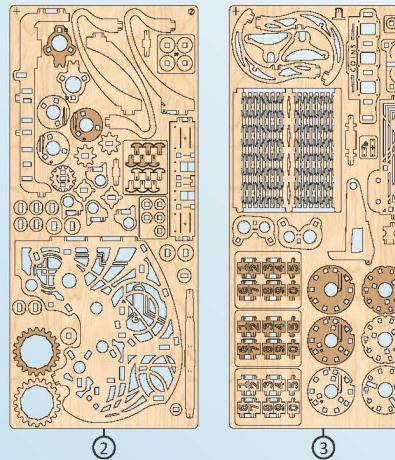


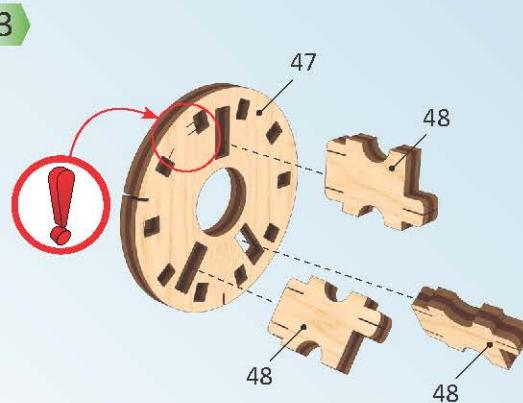
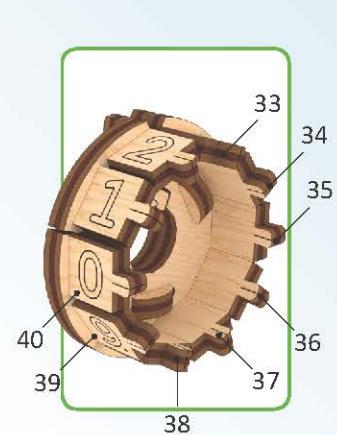
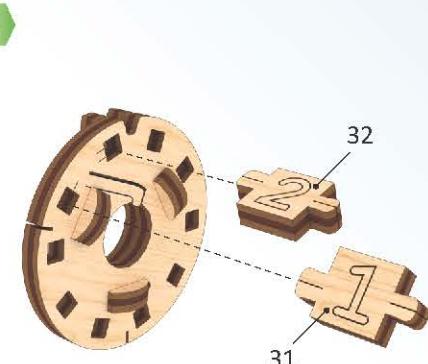
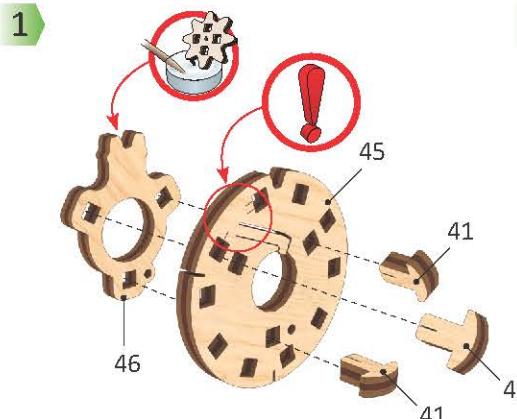
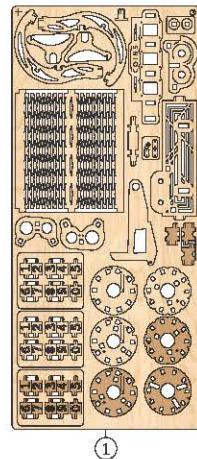
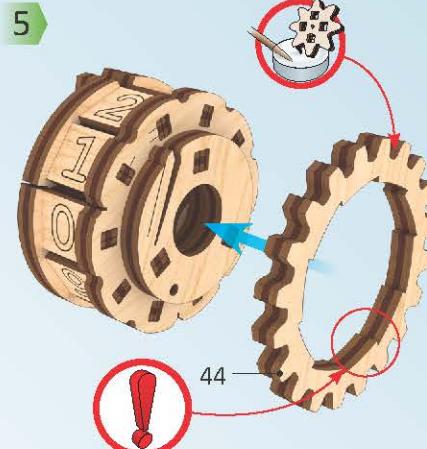
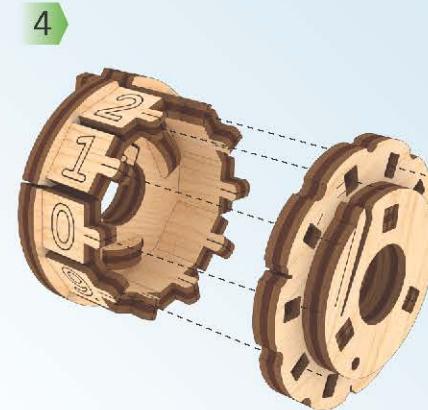
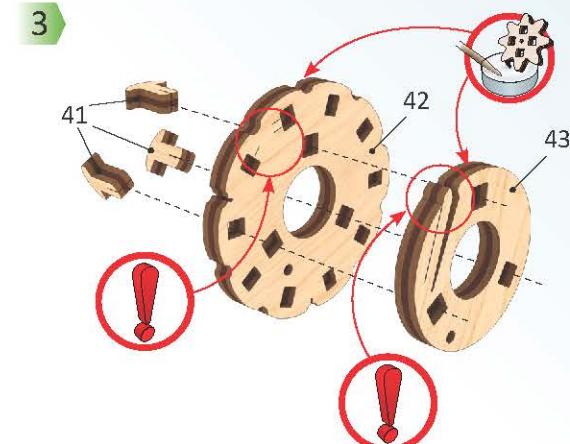
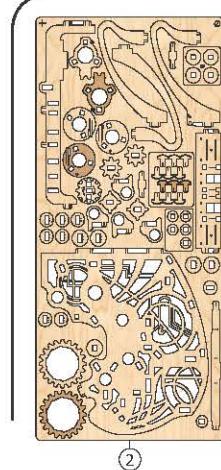
Mechanical models



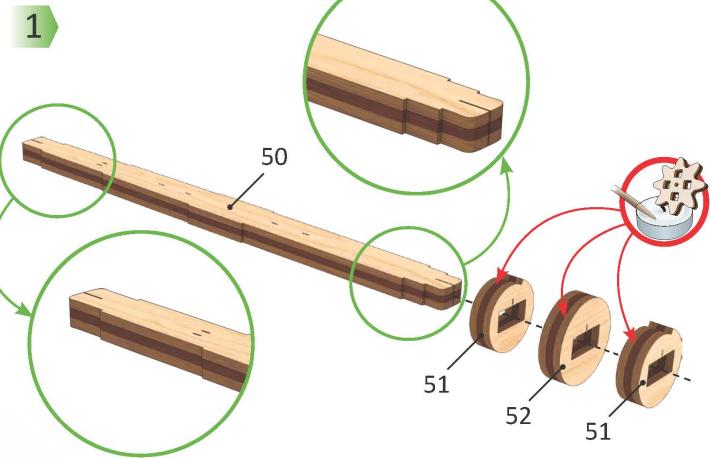
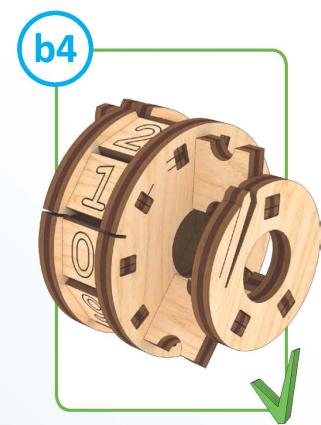
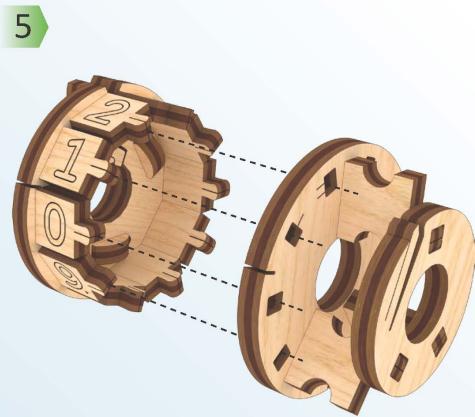
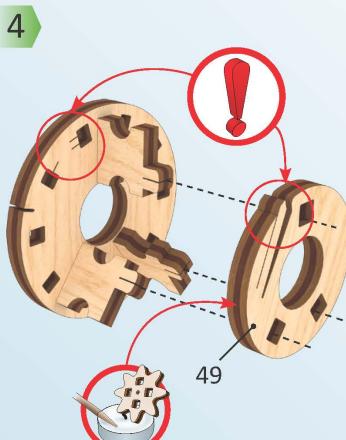
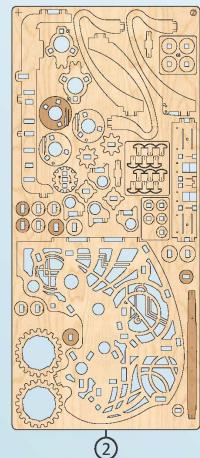


Mechanical models

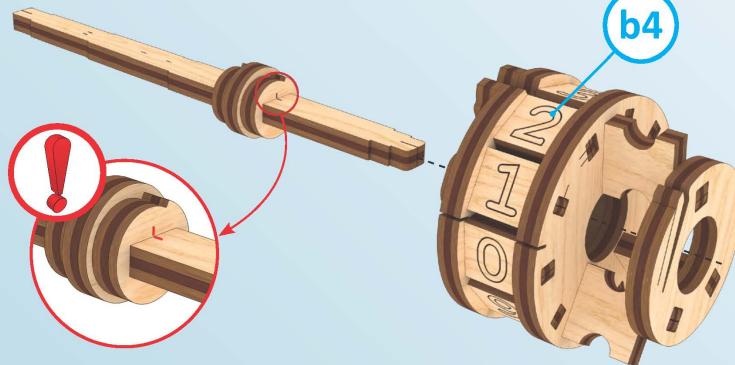




Mechanical models

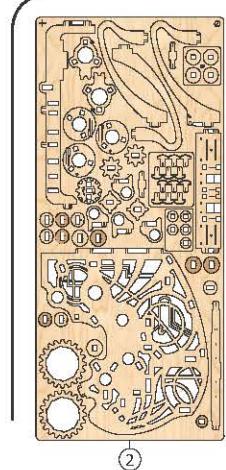


2

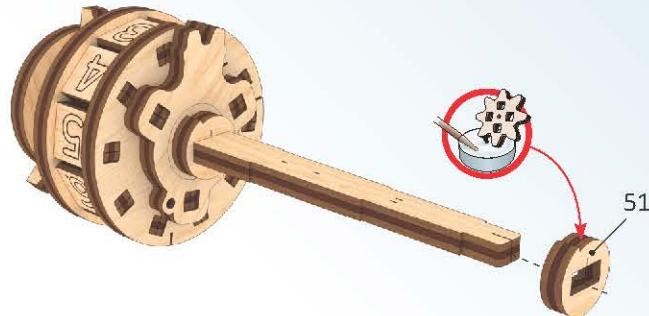


3

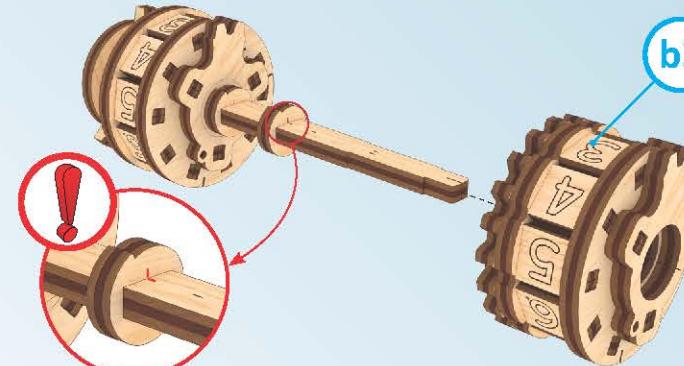




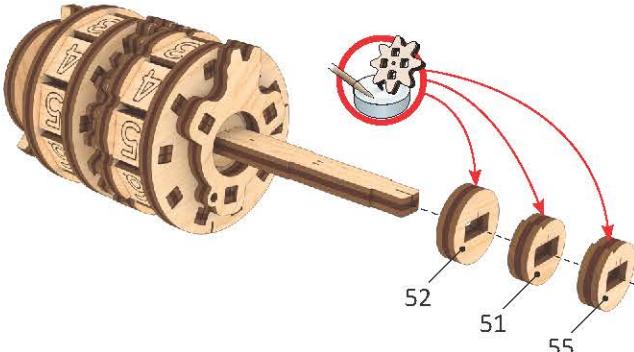
4



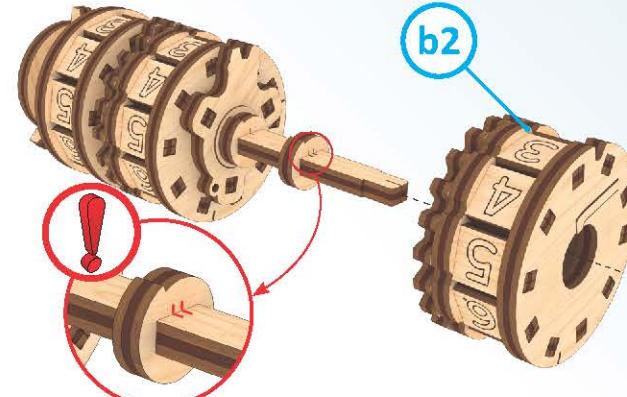
5



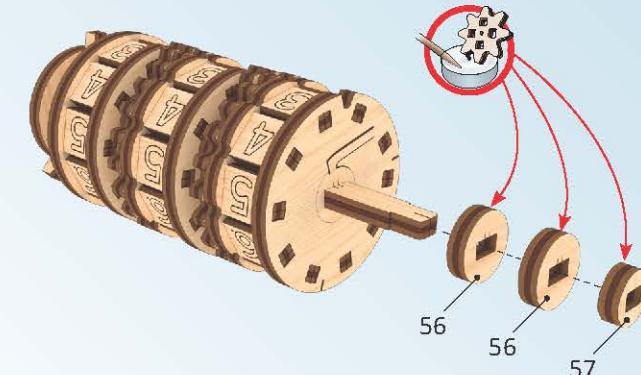
6



7

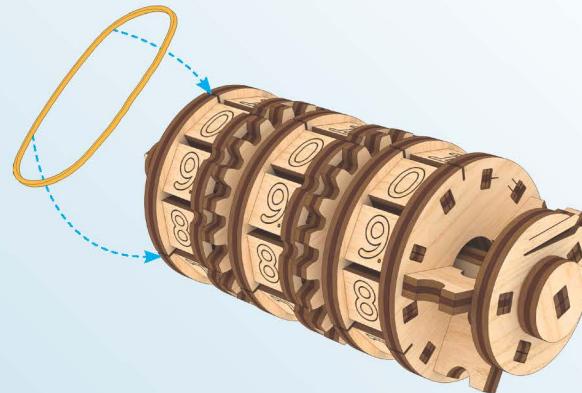
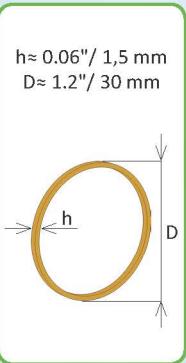


8

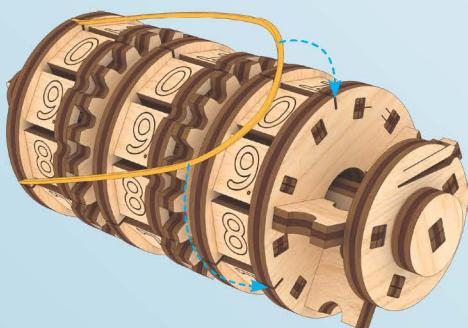


Mechanical models

9



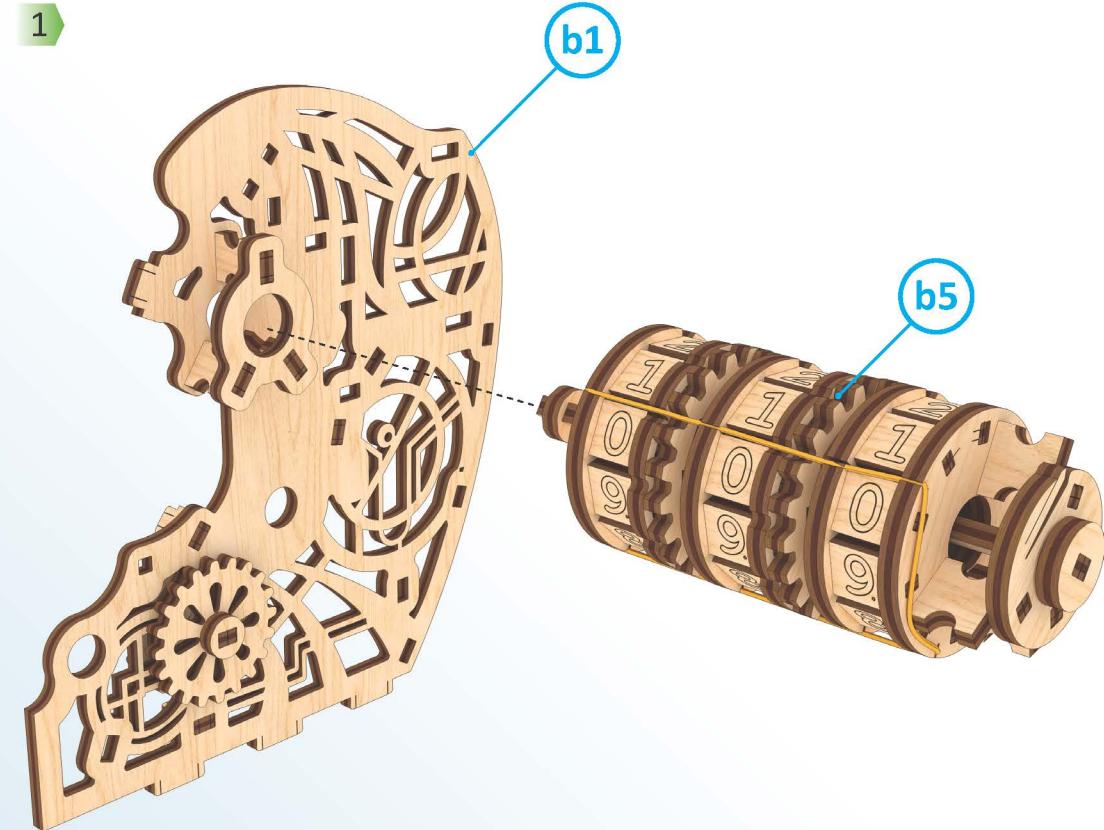
10



b5

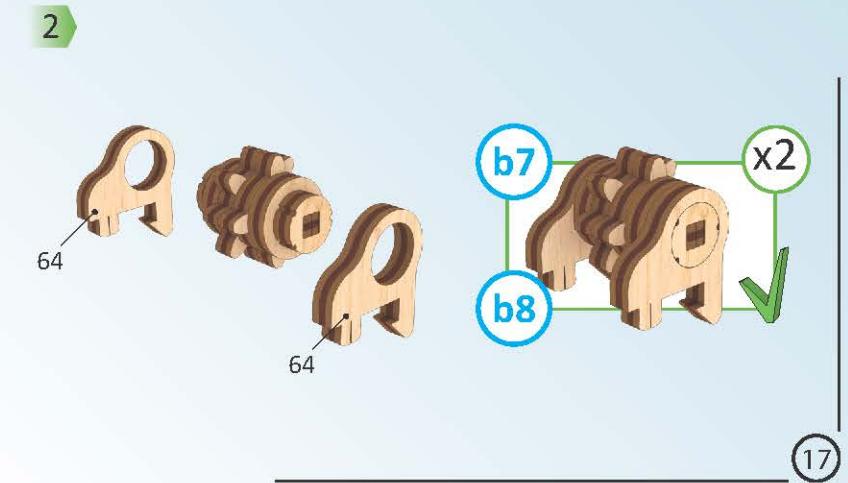
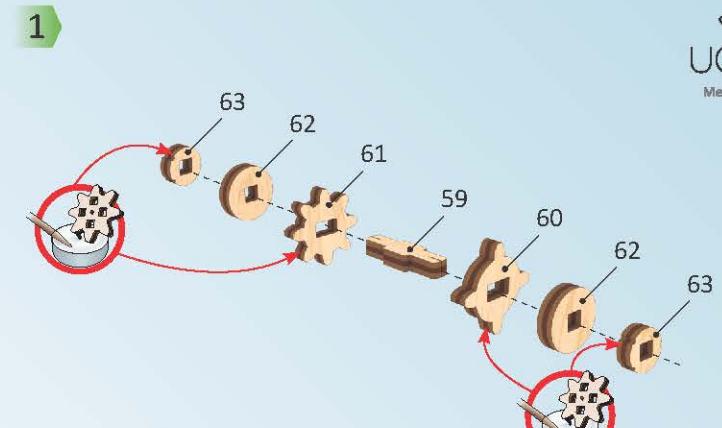
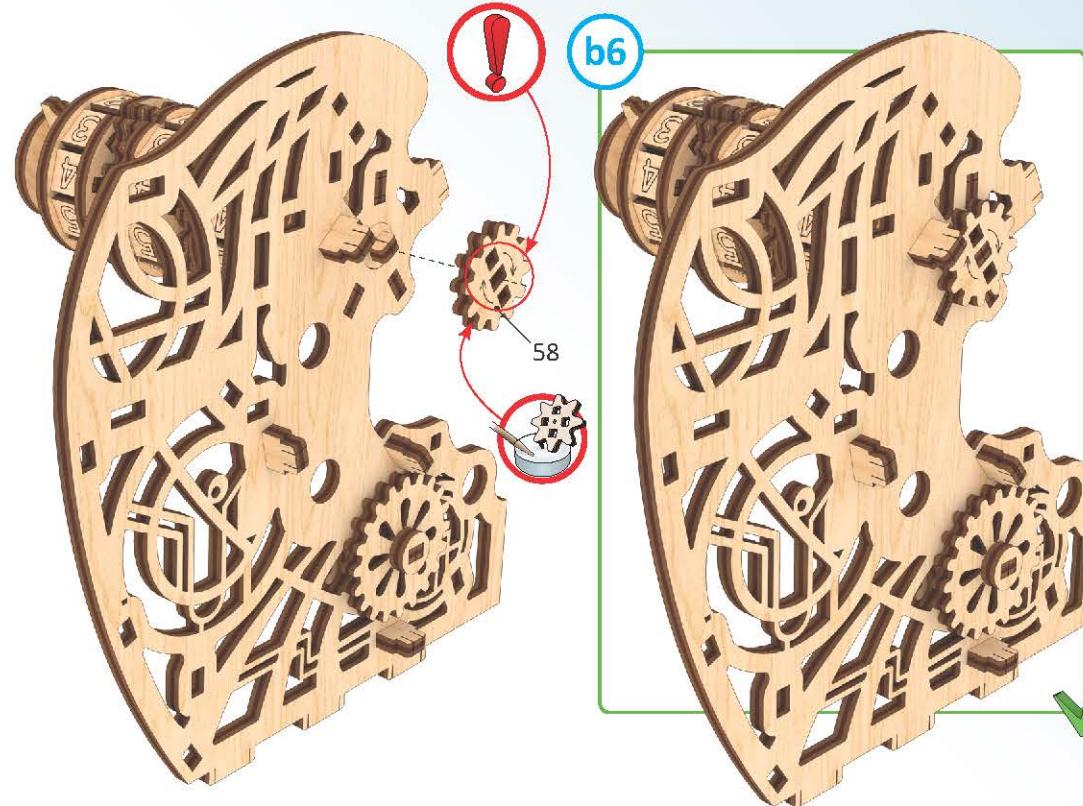
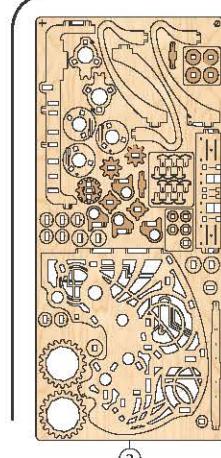


1



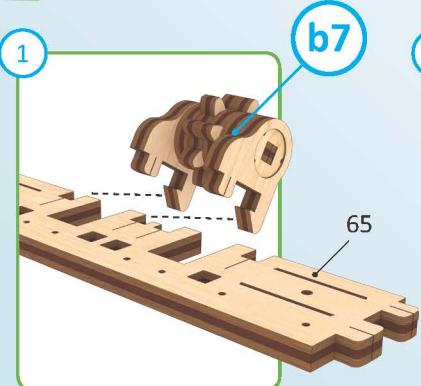
b1

b5

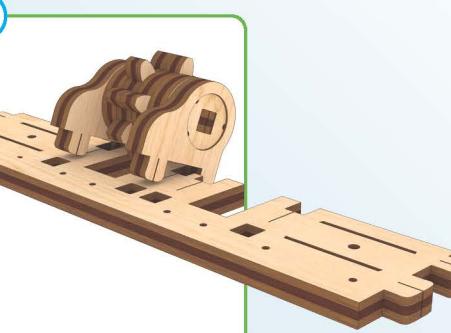


Mechanical models

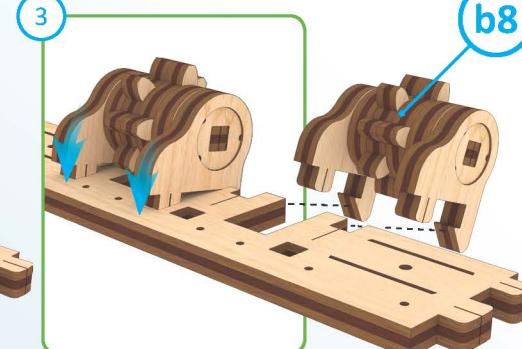
1



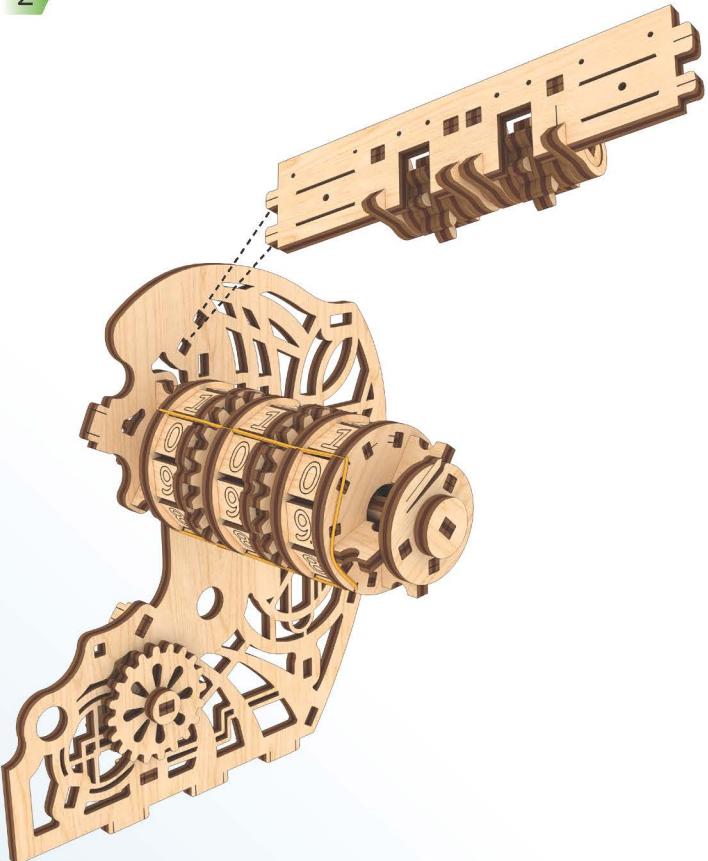
2



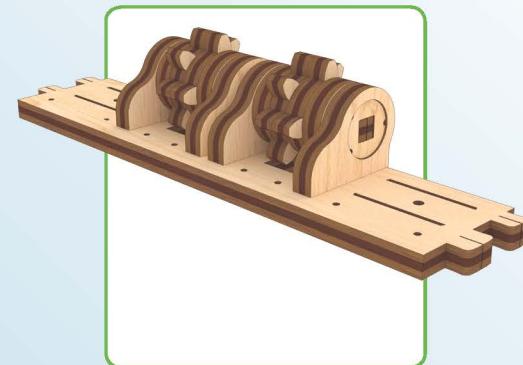
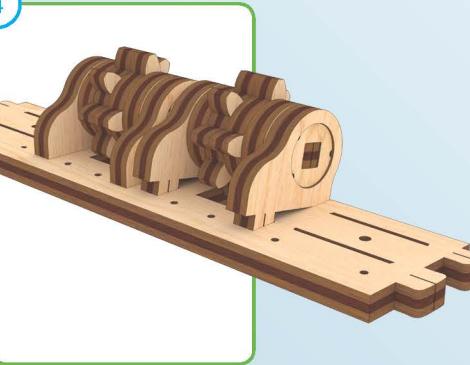
3

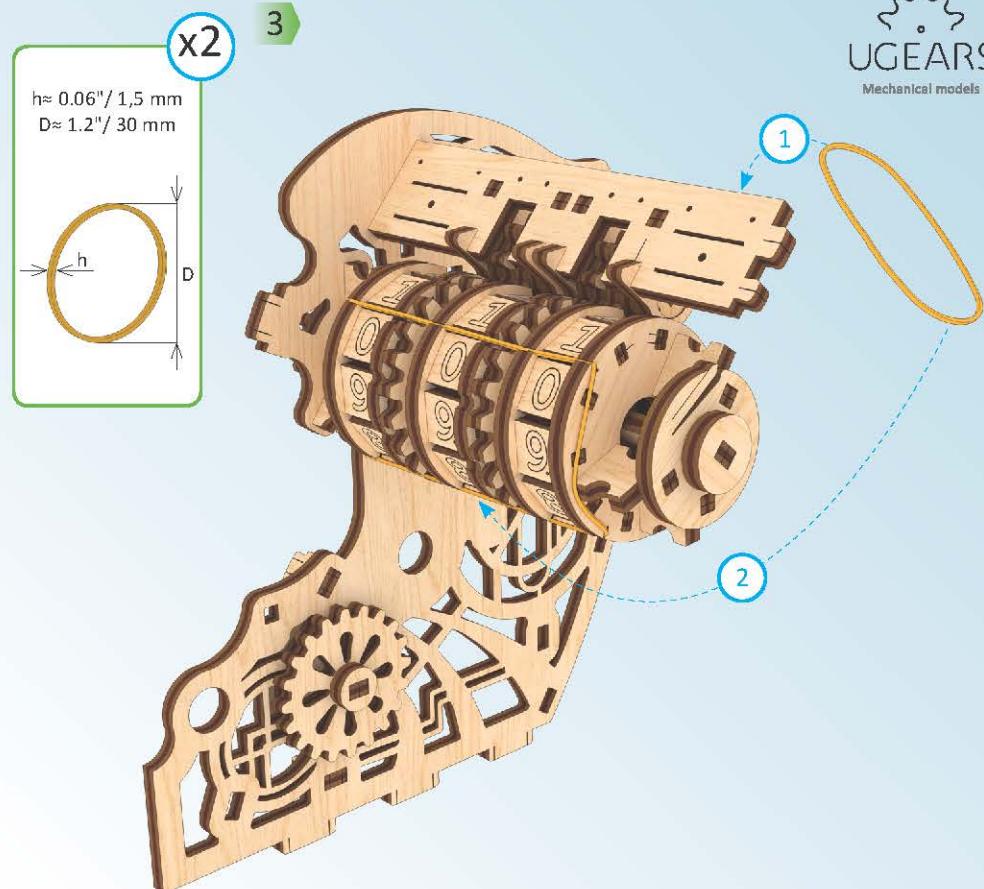
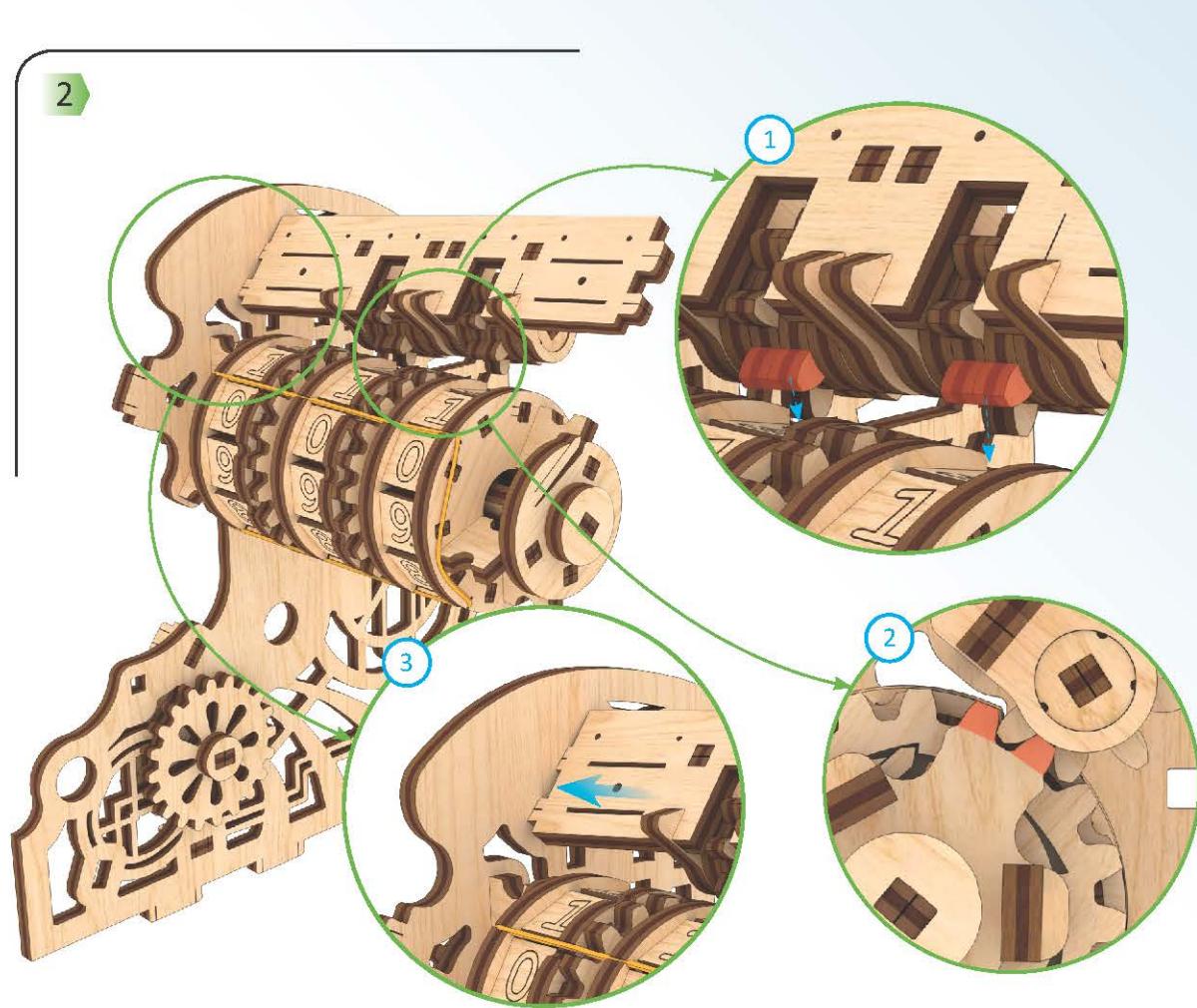


2

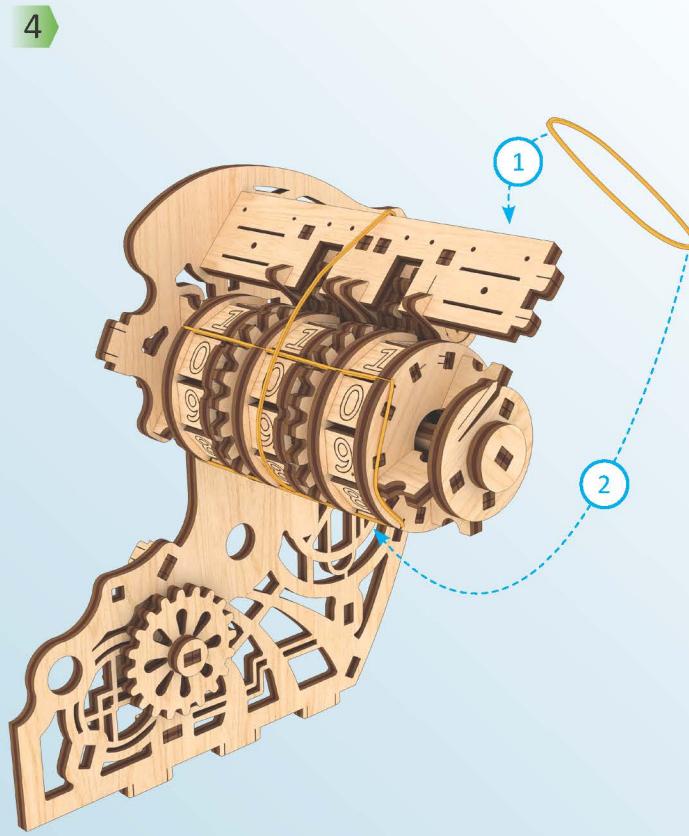
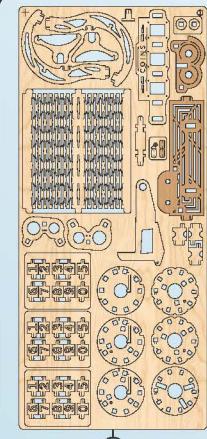


4

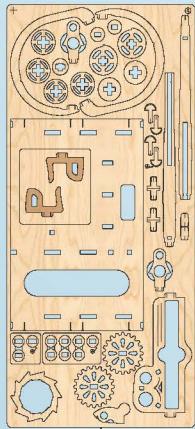
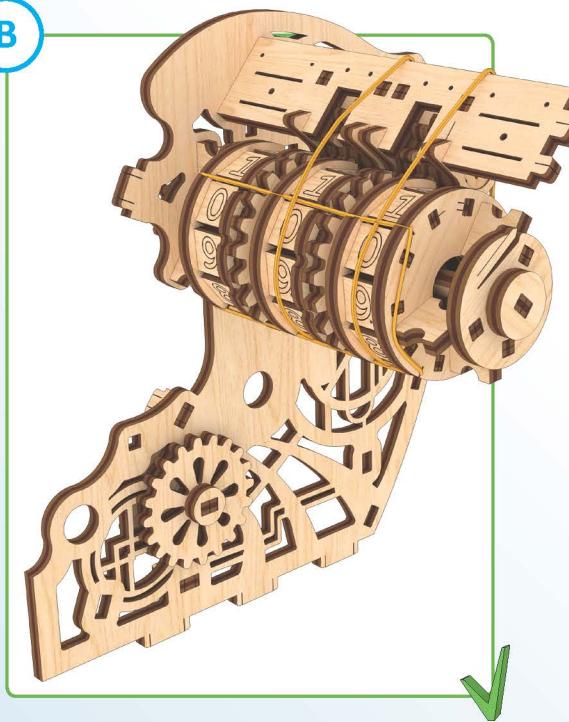




Mechanical models

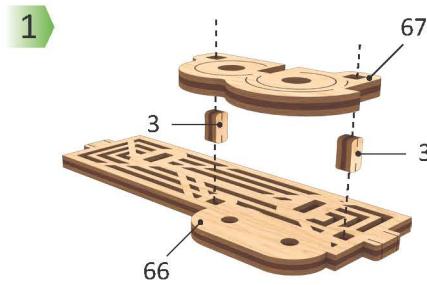


B

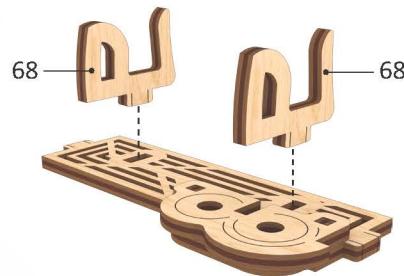


20

4



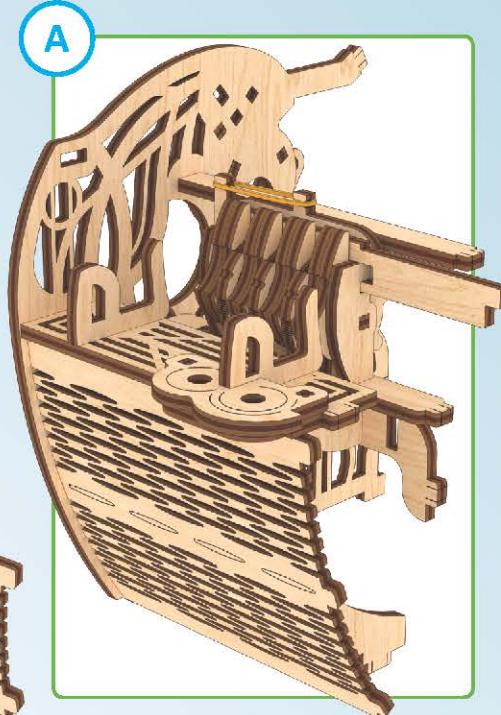
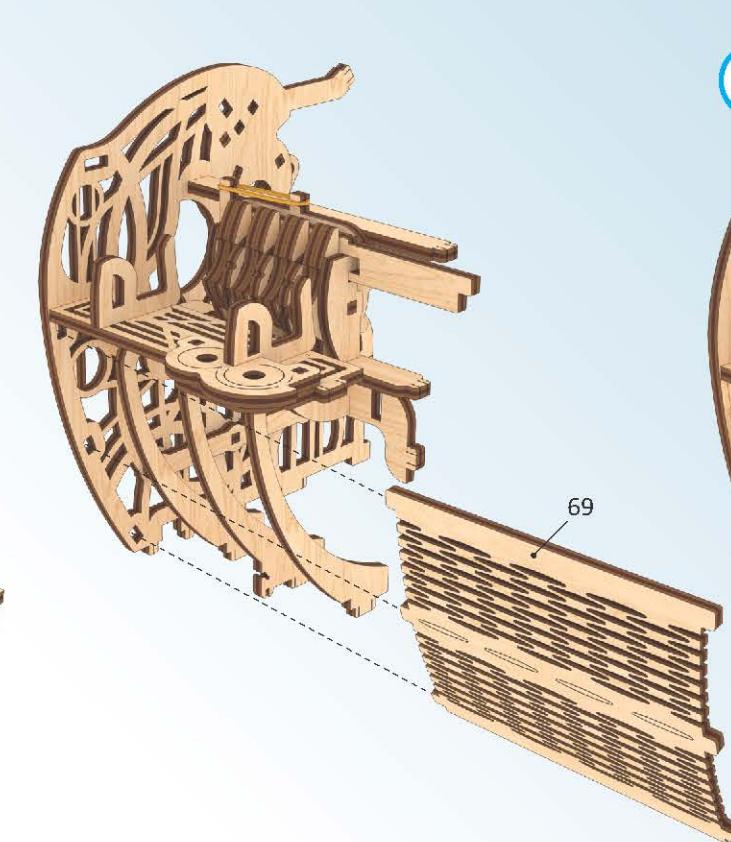
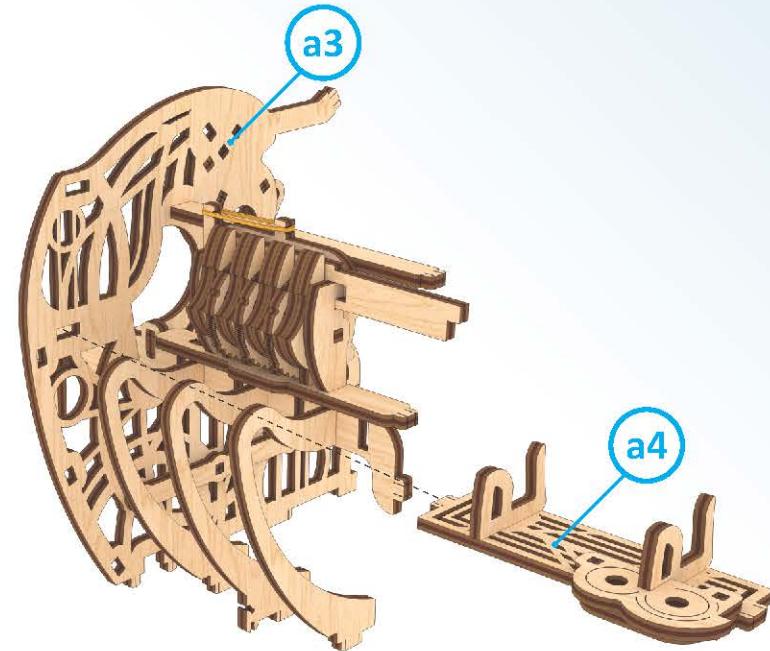
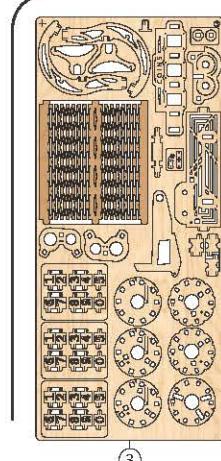
1



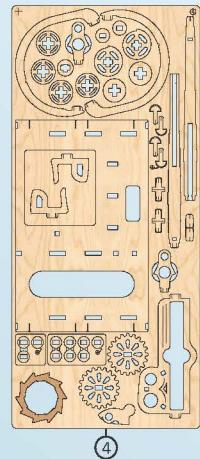
2



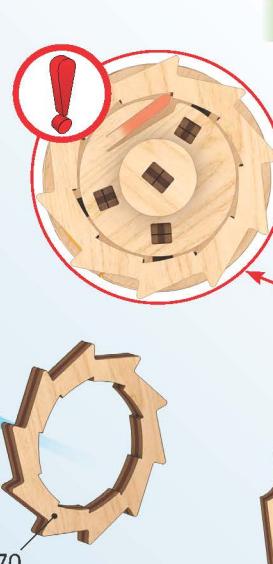
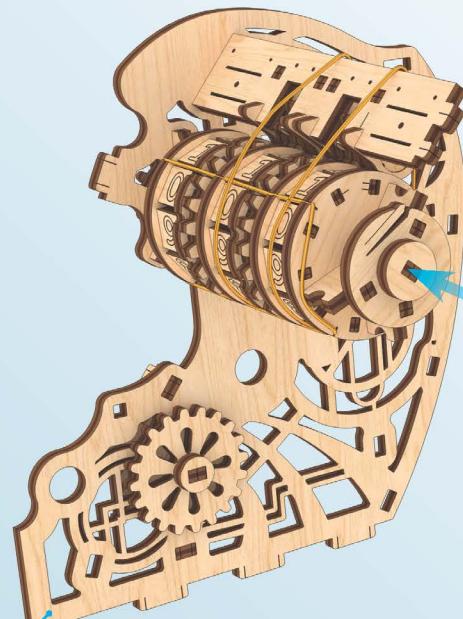
a4



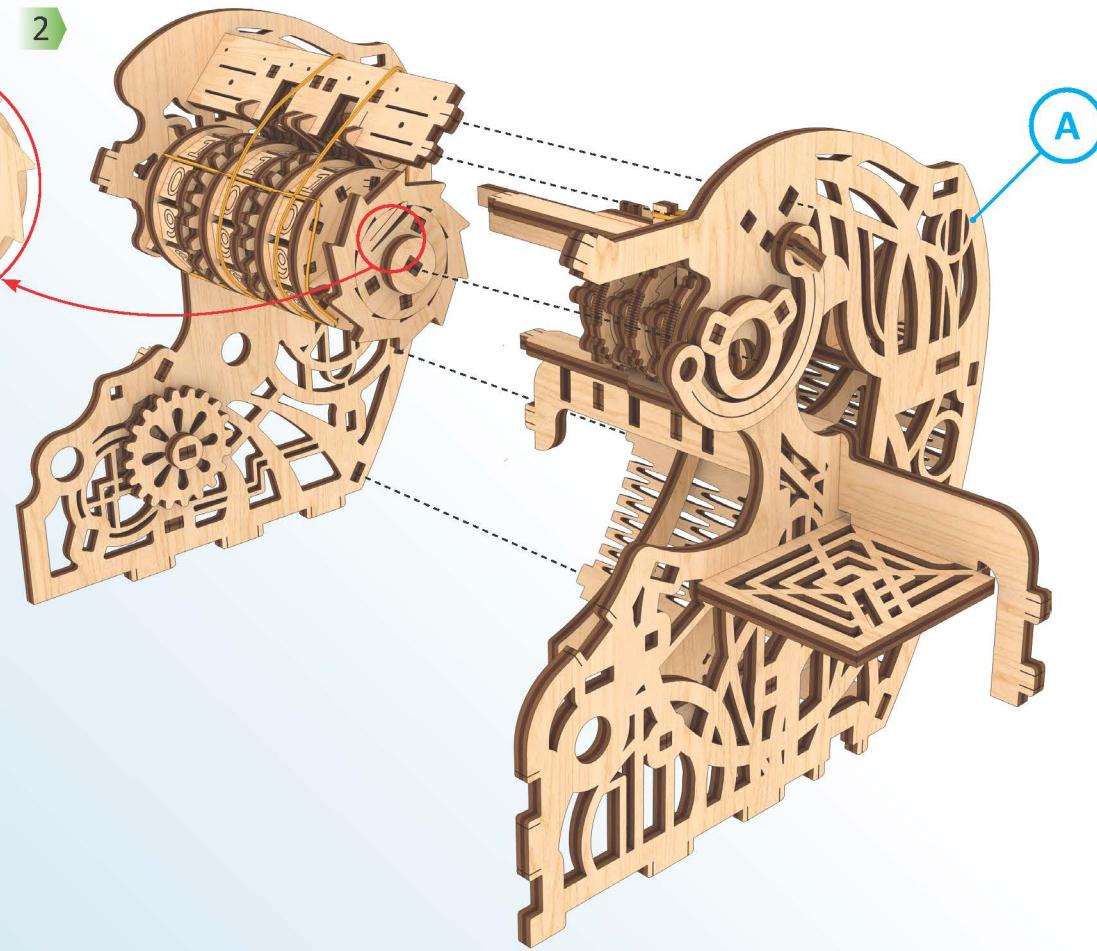
Mechanical models

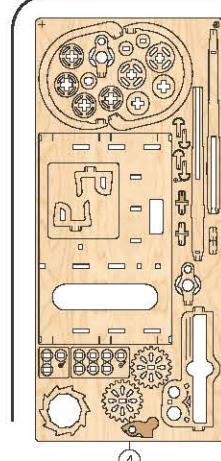


1

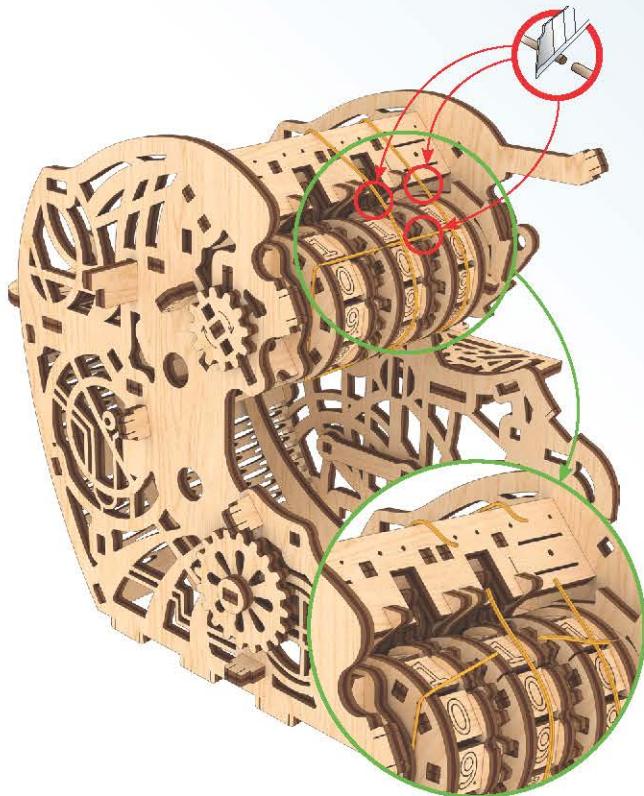


2

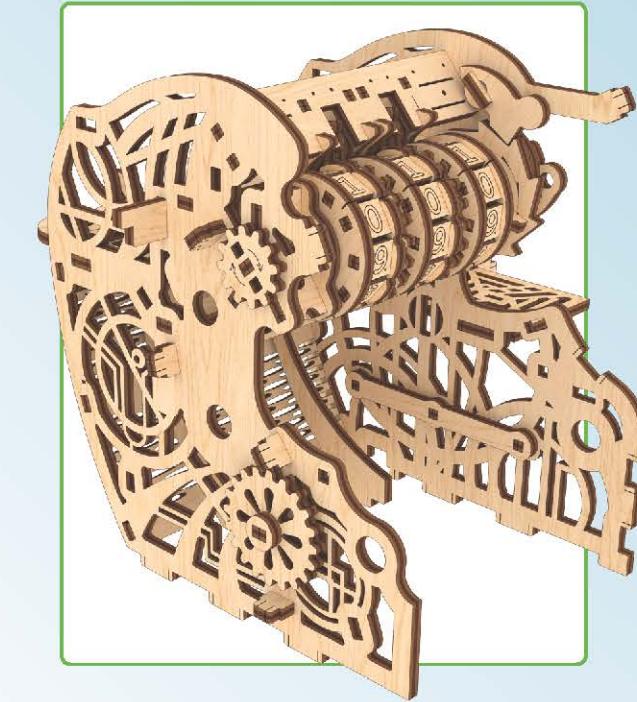
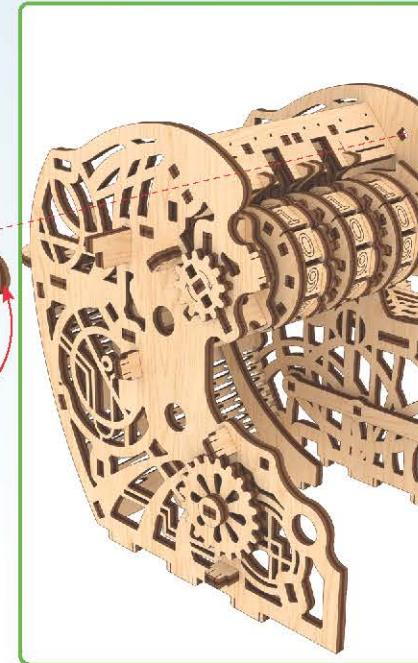




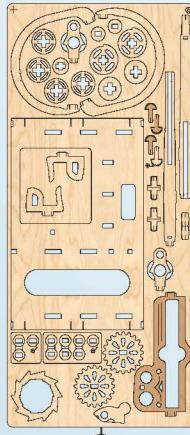
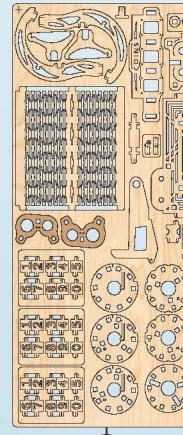
3



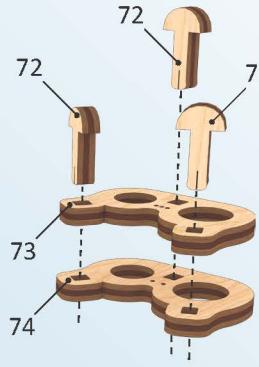
4



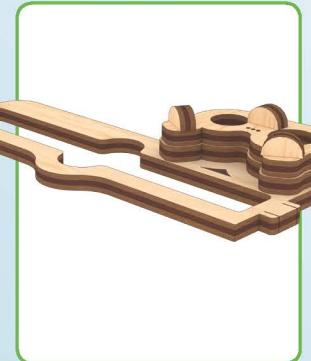
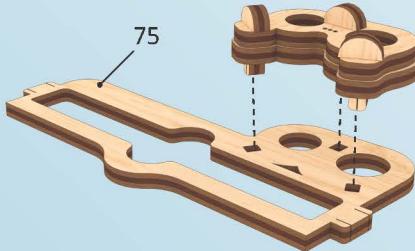
Mechanical models



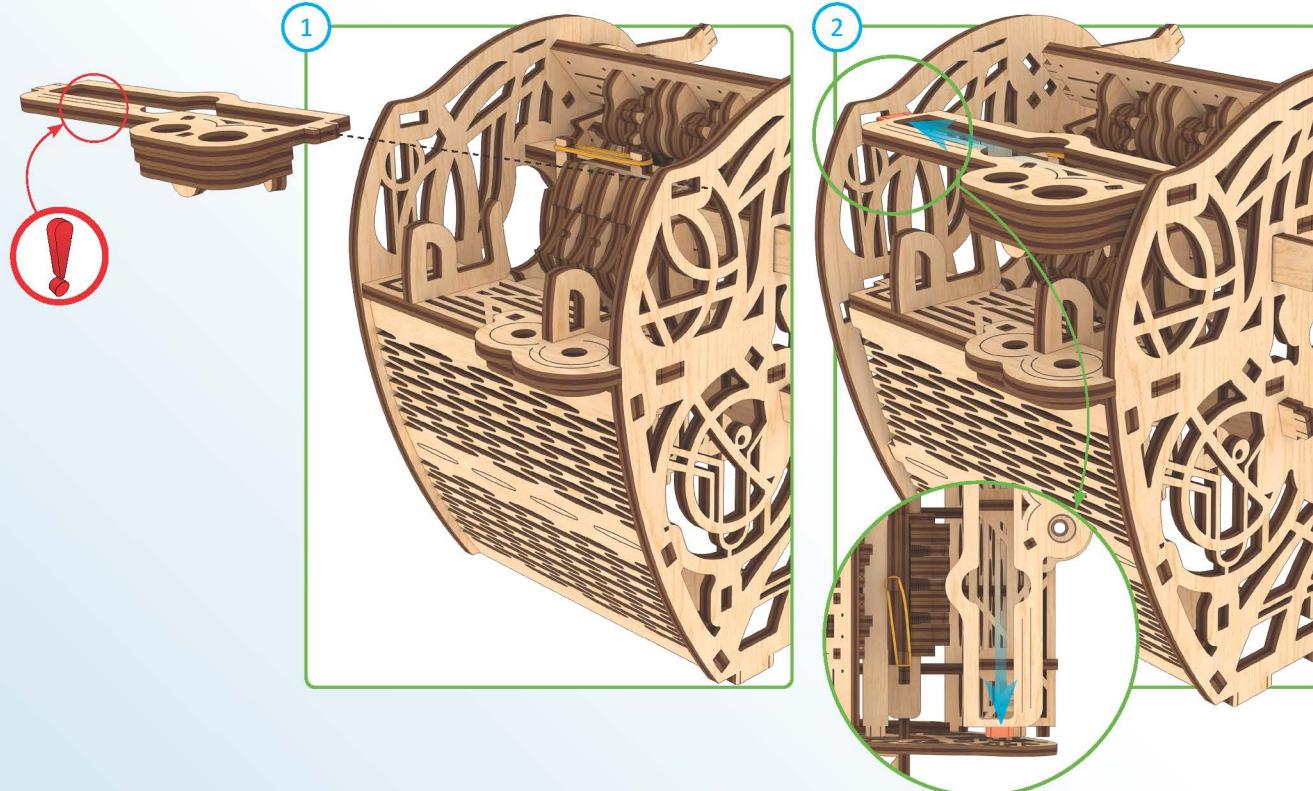
5

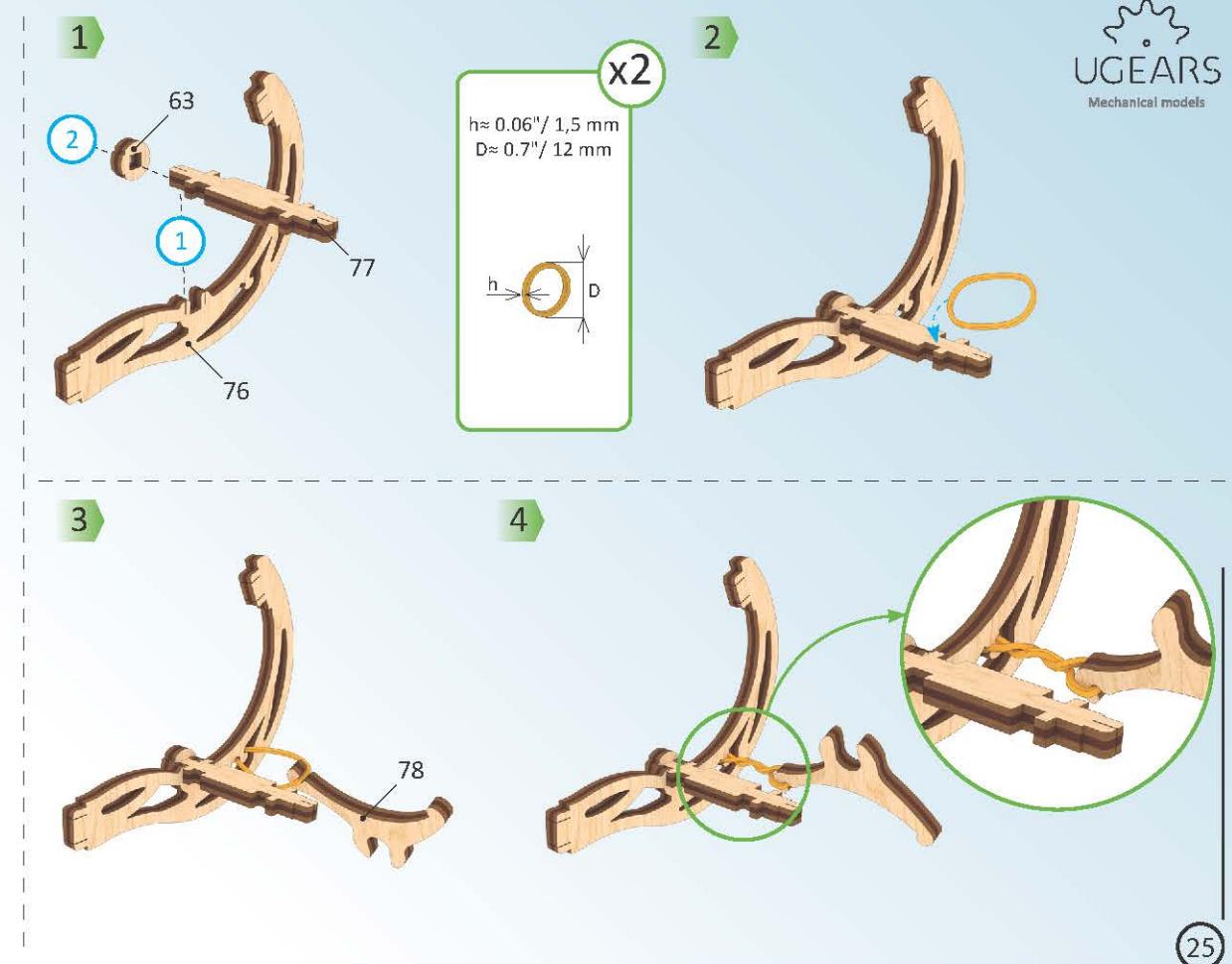
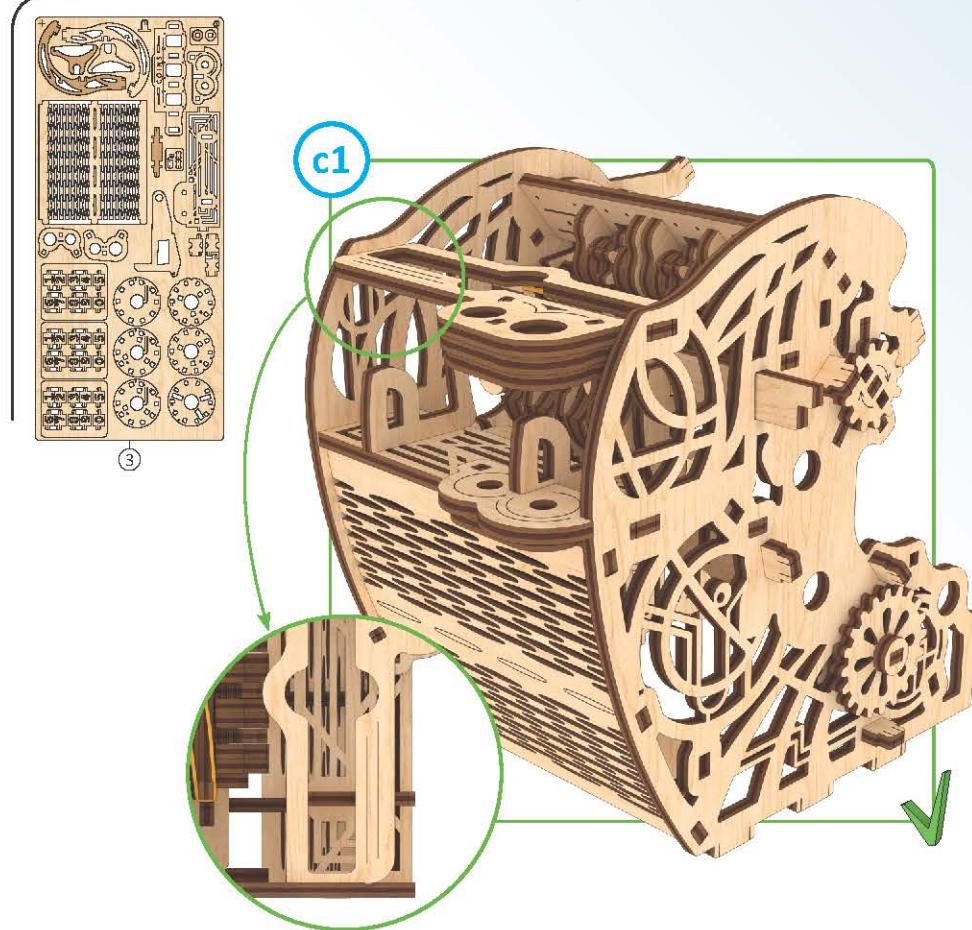


6

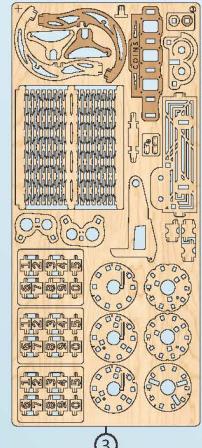


7





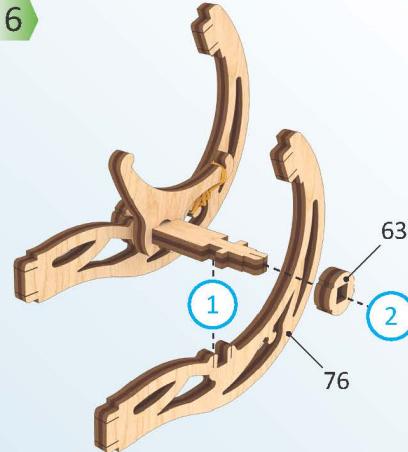
Mechanical models



5



6



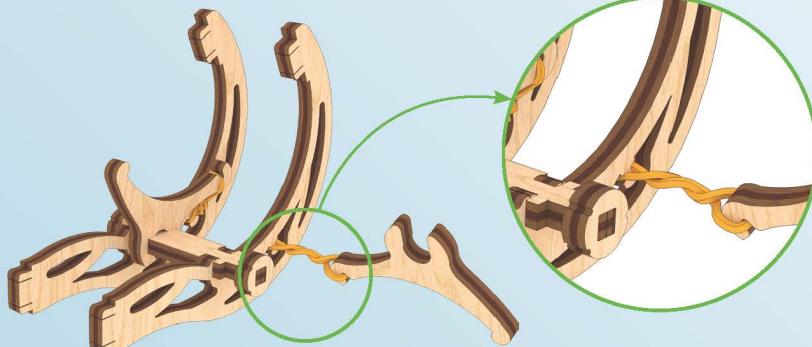
7



8



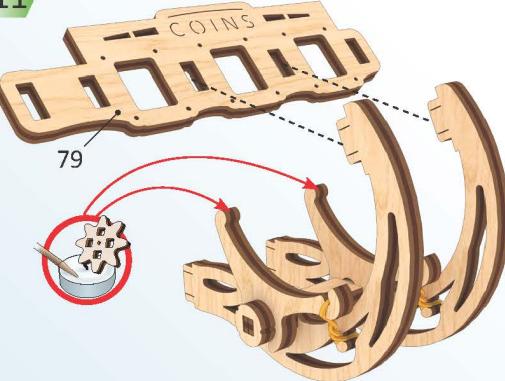
9



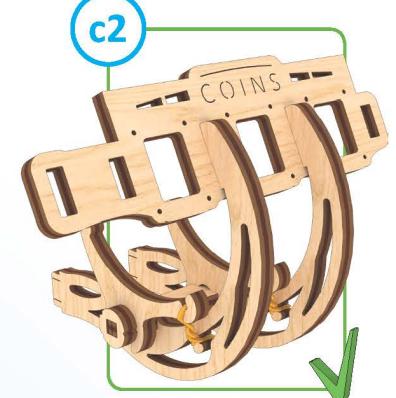
10



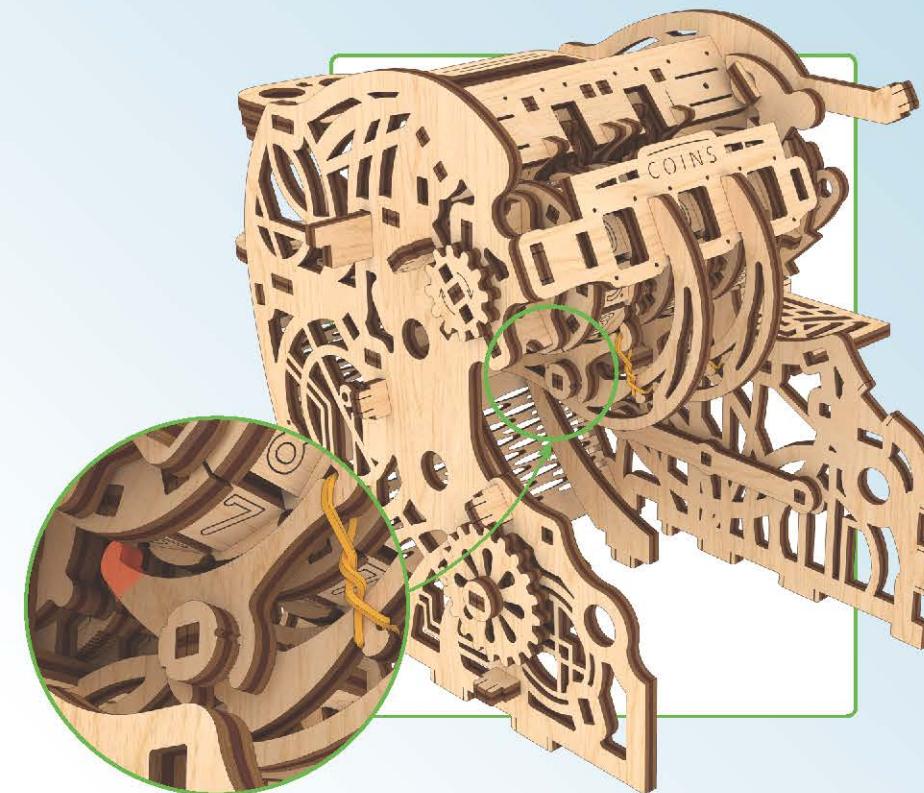
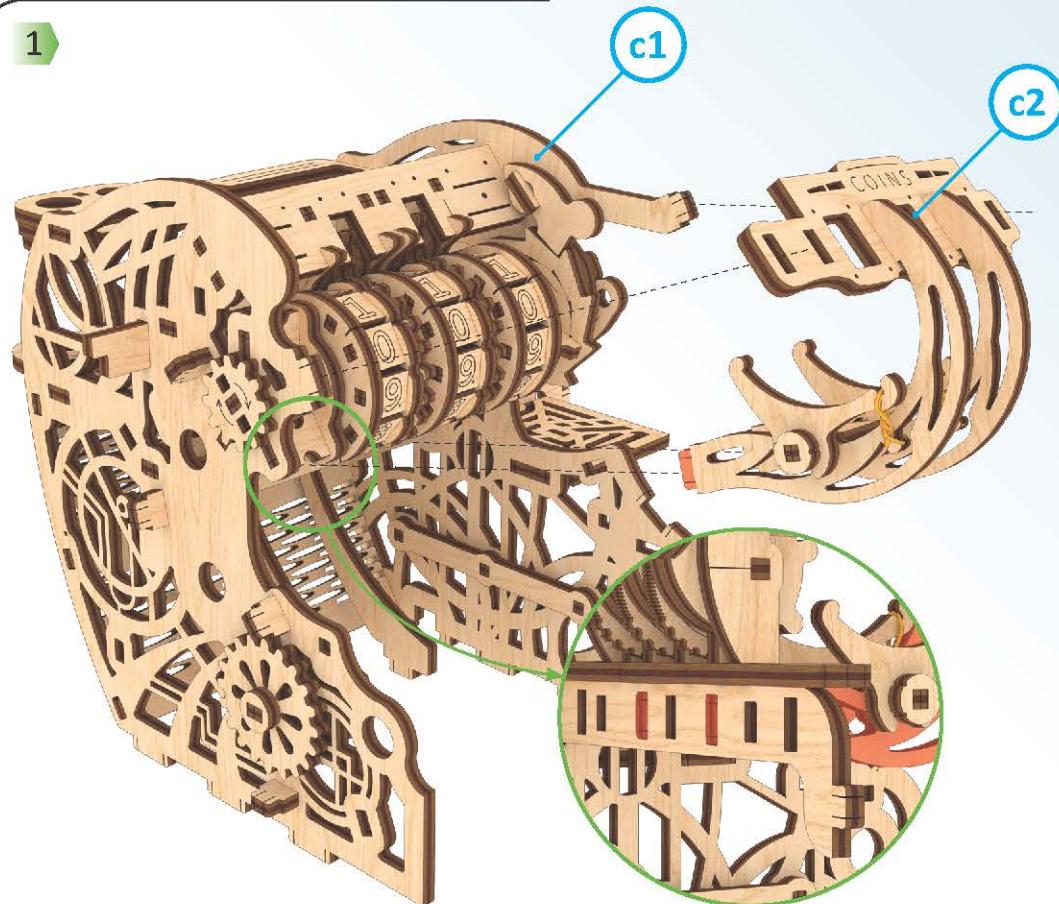
11



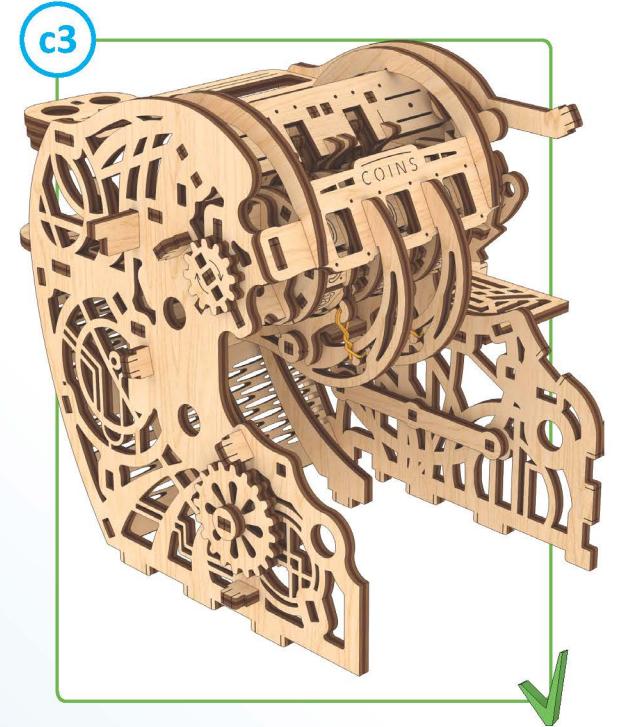
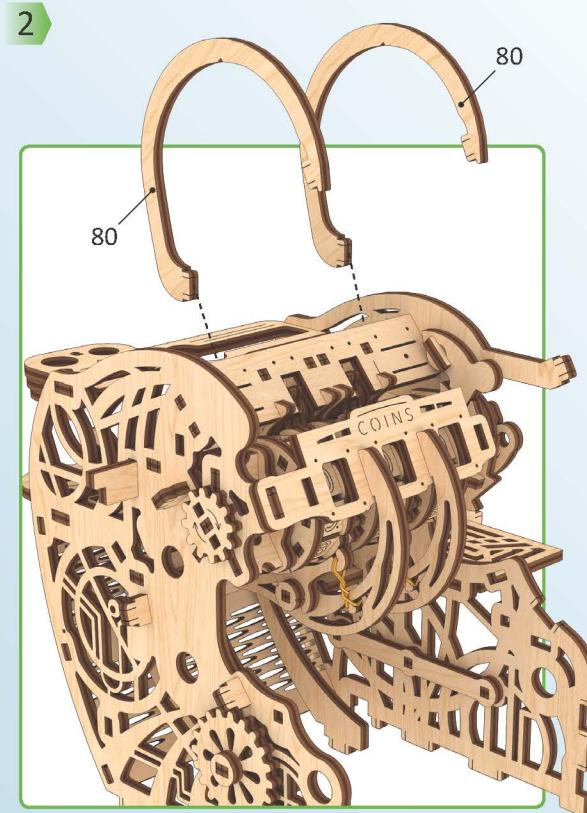
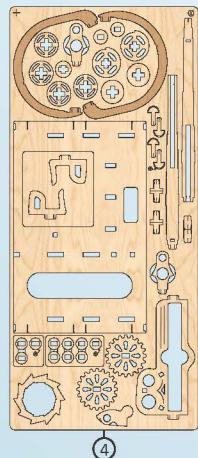
c2

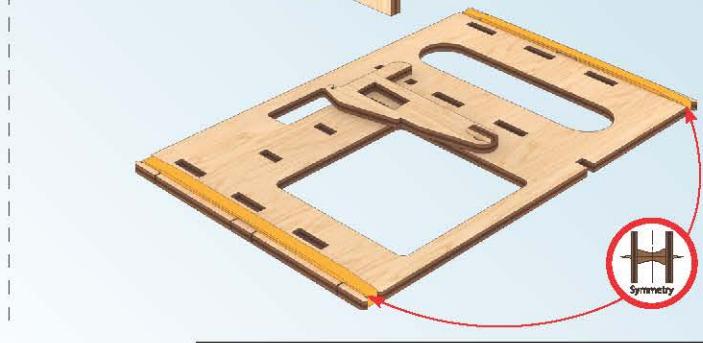
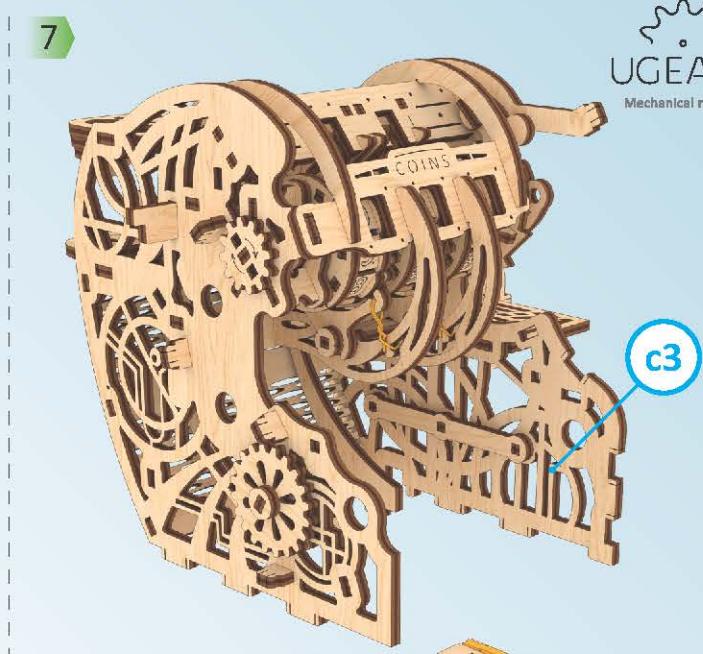
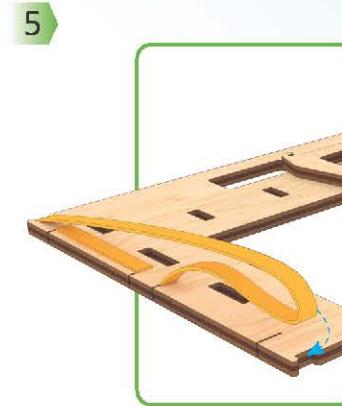
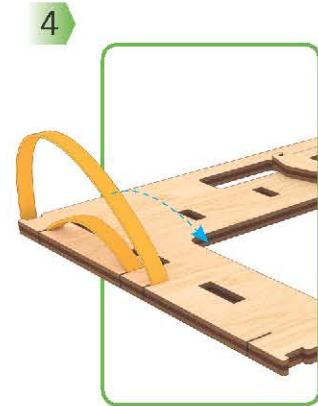
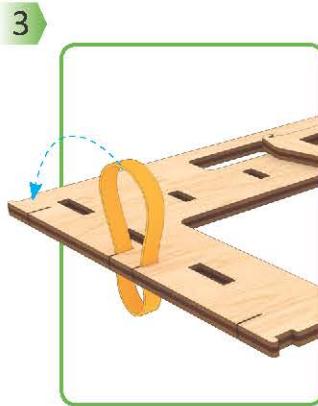
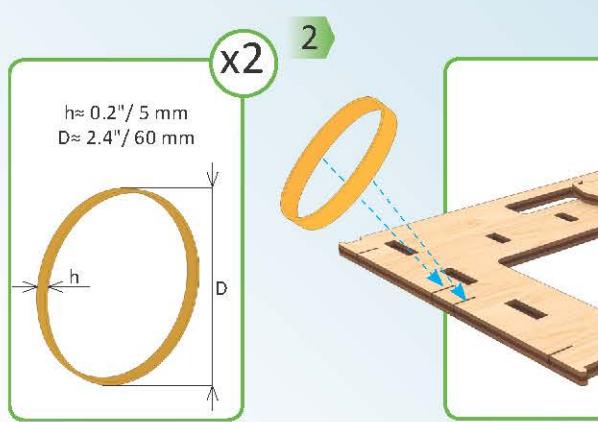
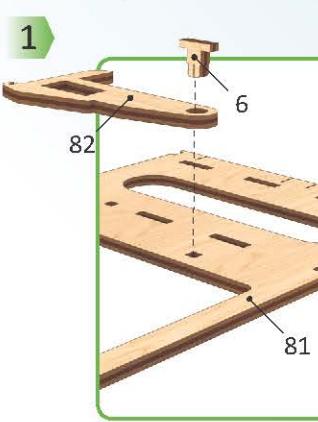
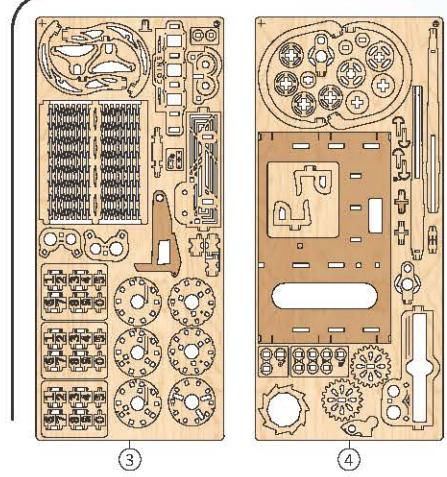


1

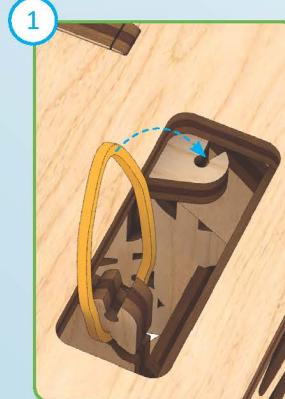
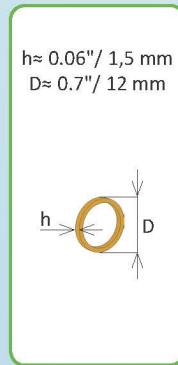
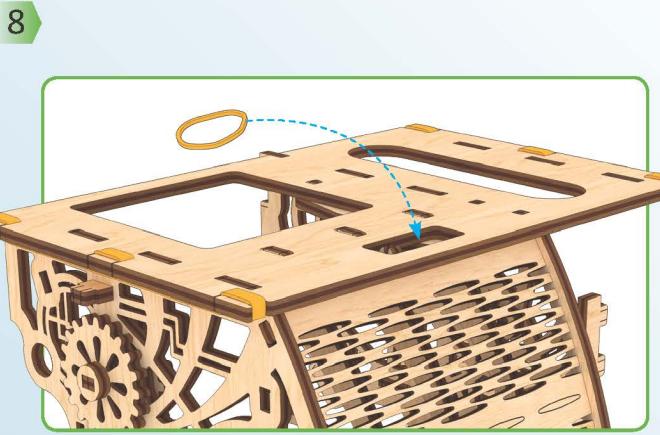
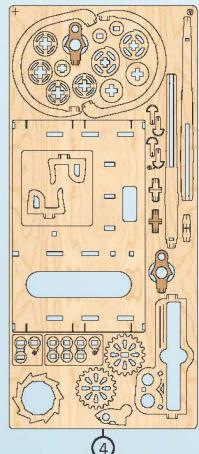


Mechanical models

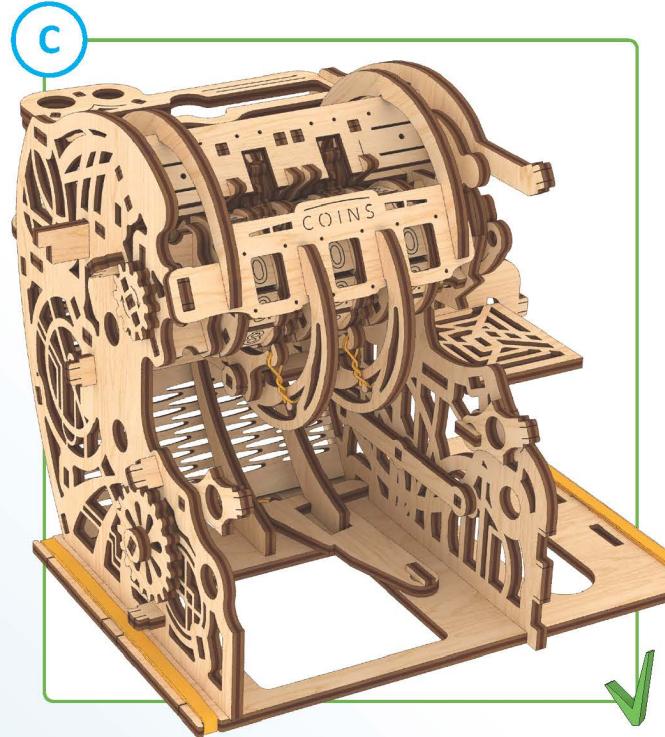
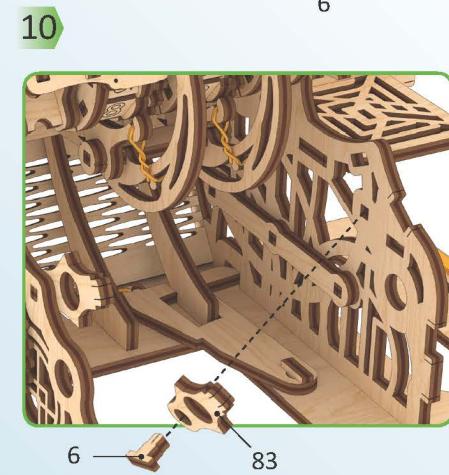


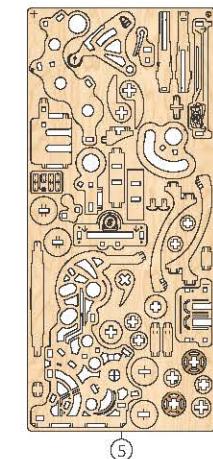
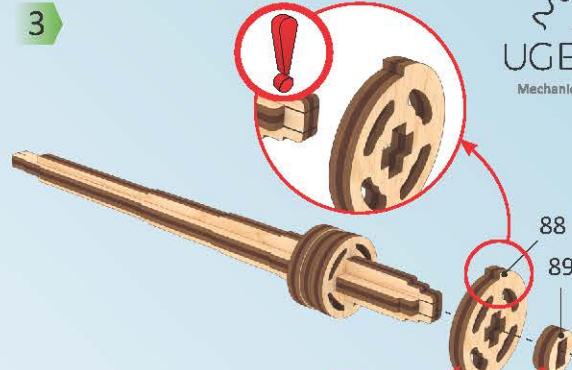
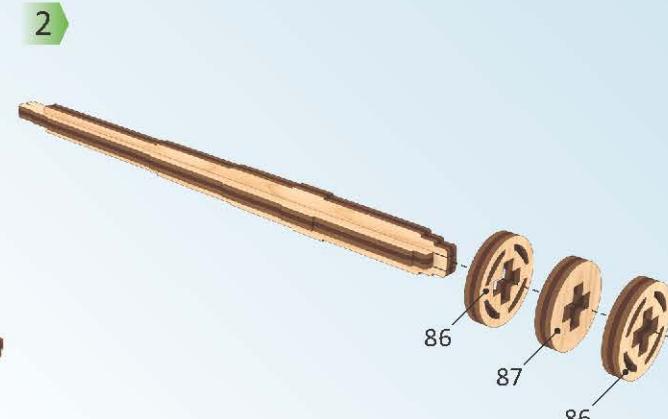
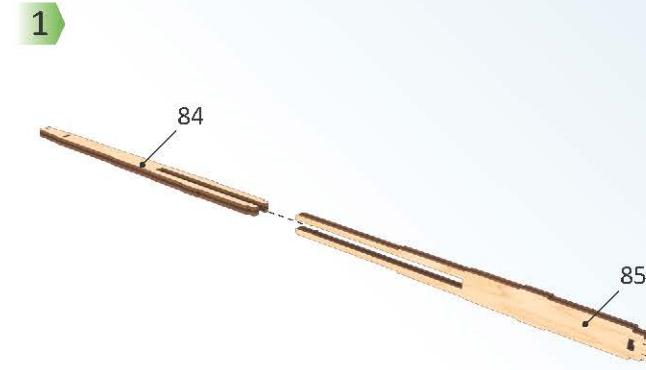
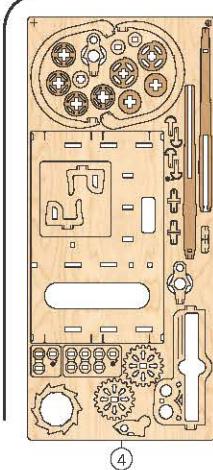


Mechanical models

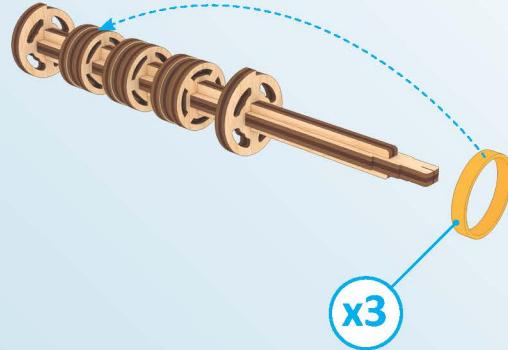
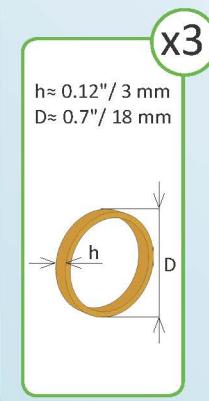


30

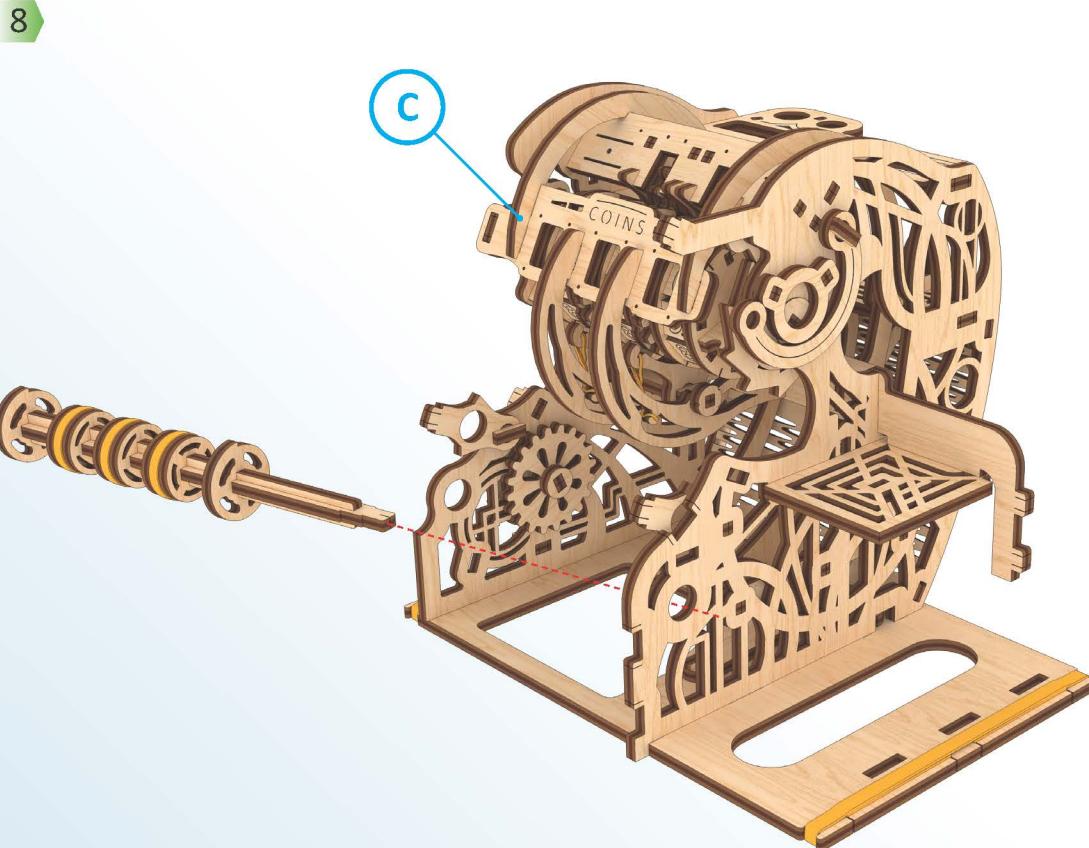


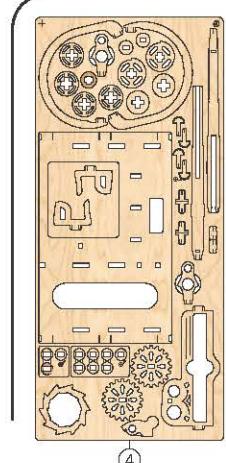


Mechanical models

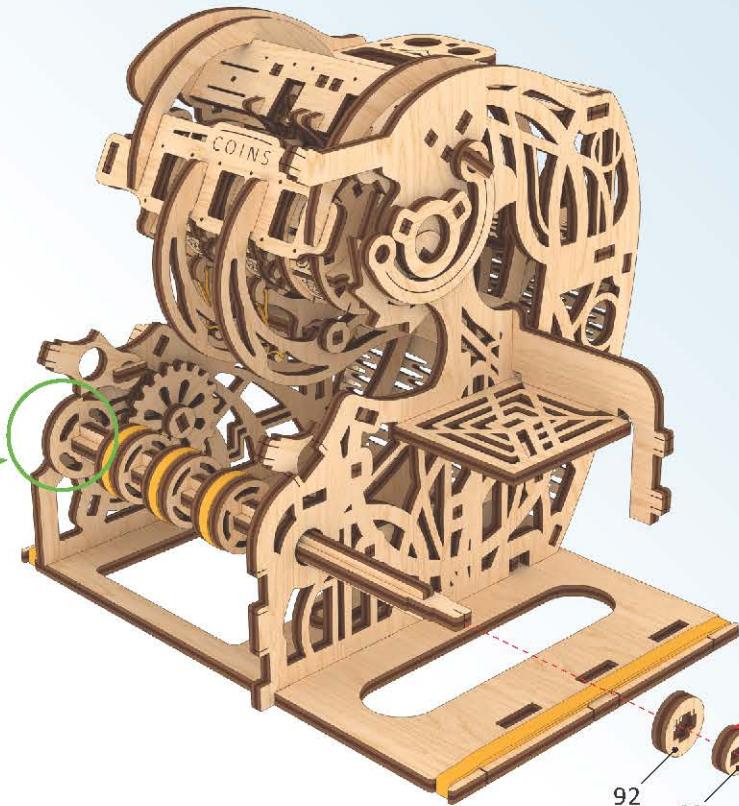


x3



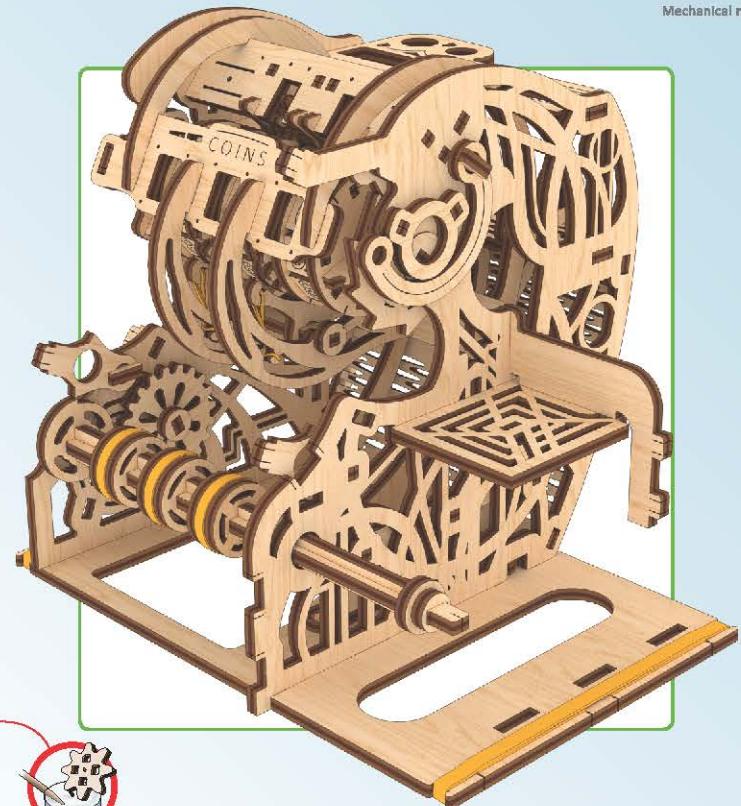


9

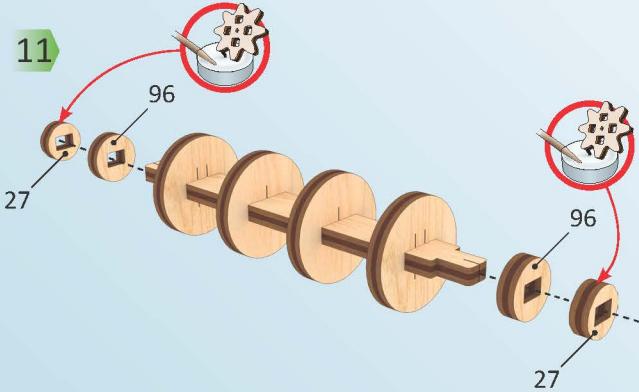
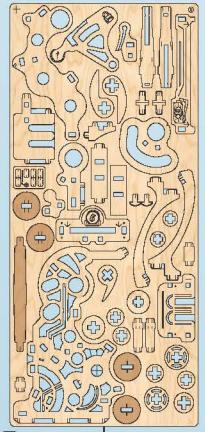
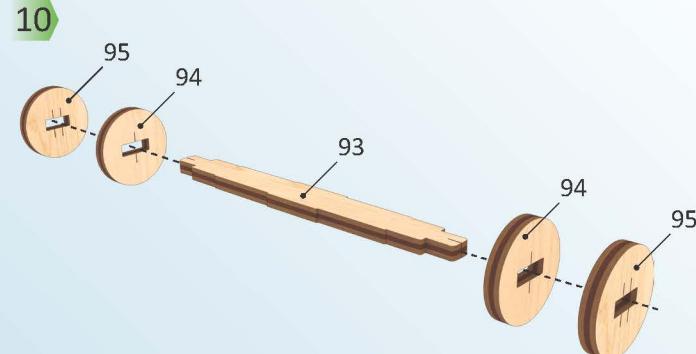
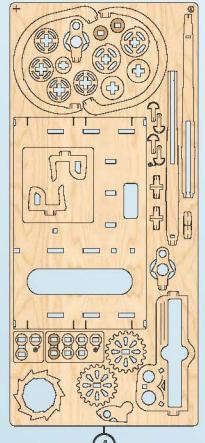


92

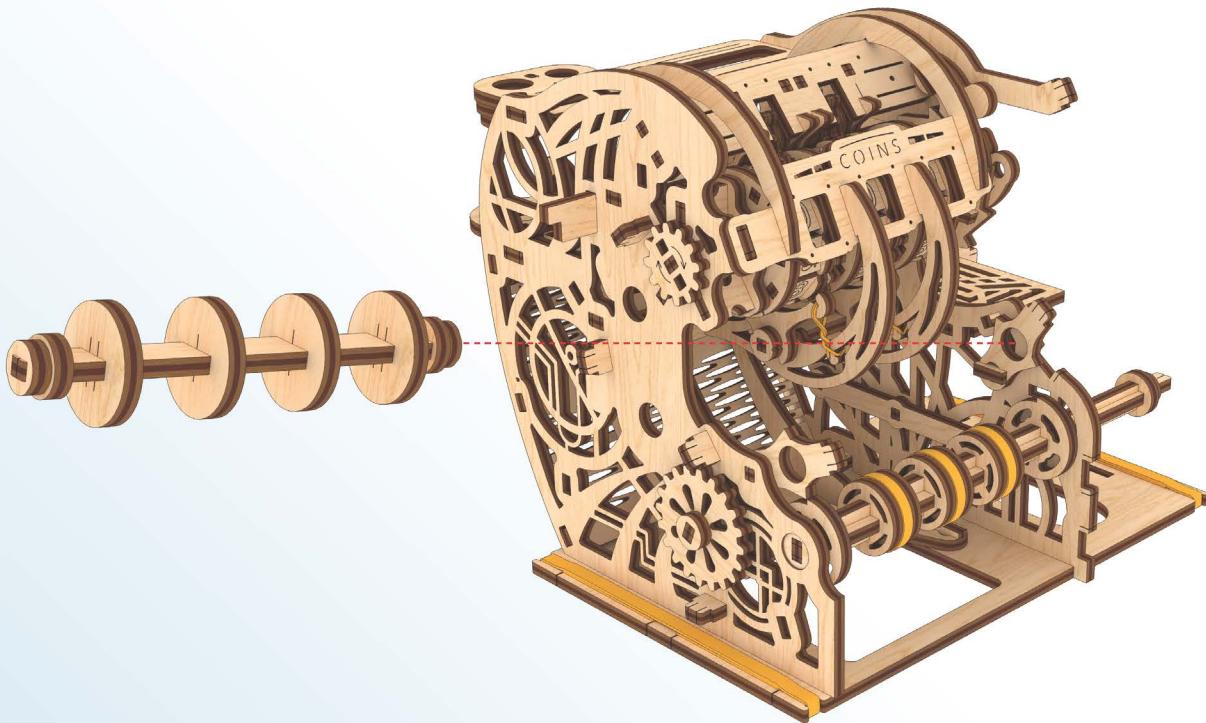
89

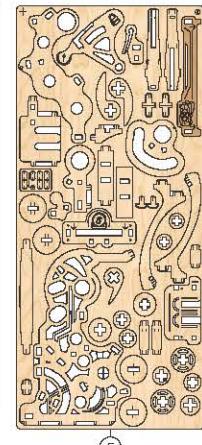


Mechanical models

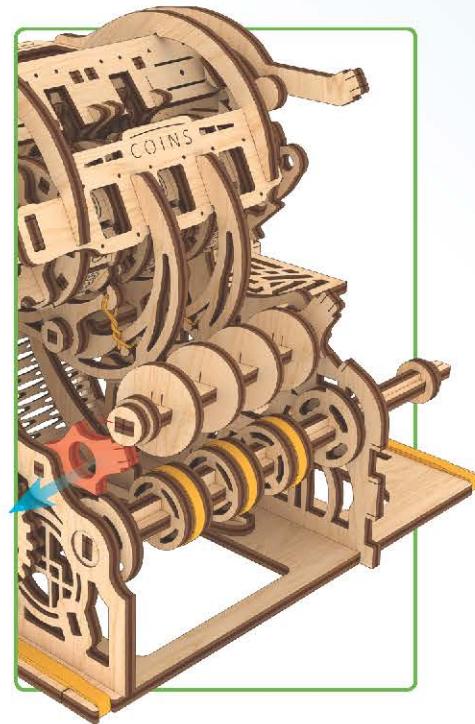


12

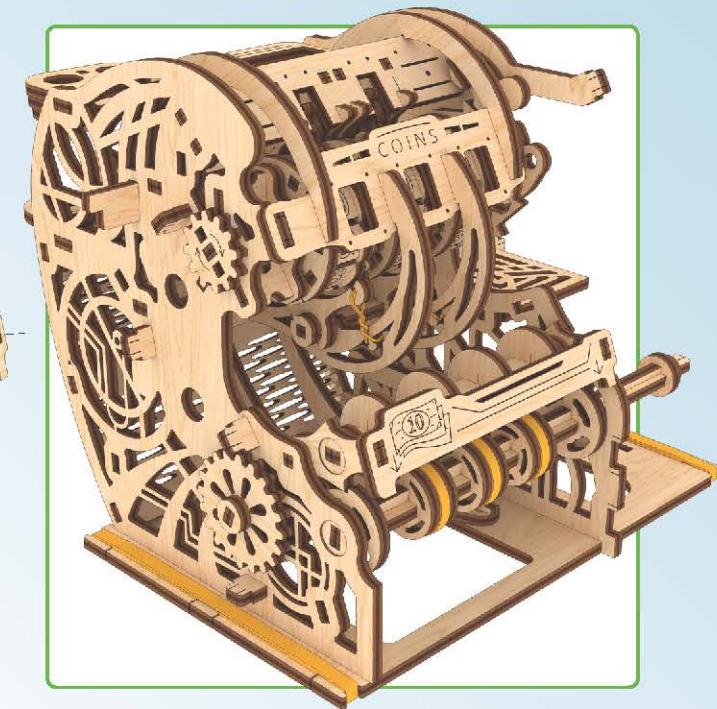
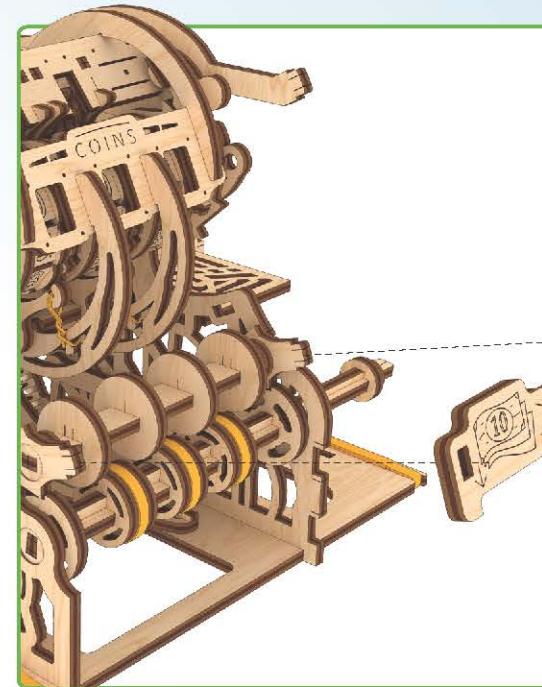




13

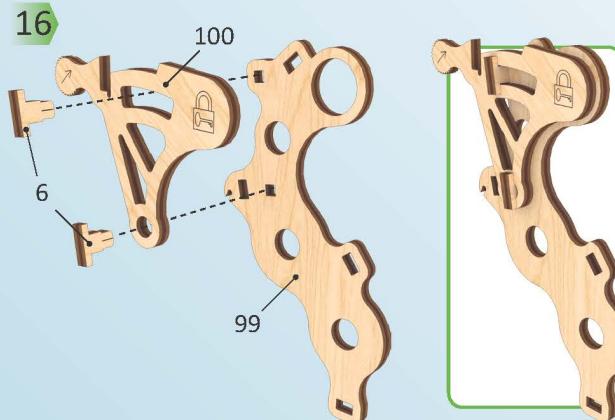
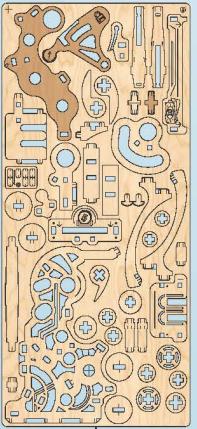
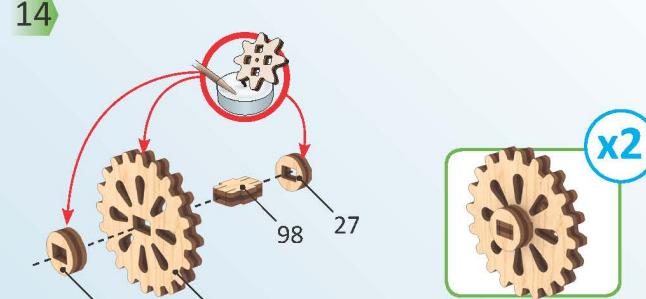
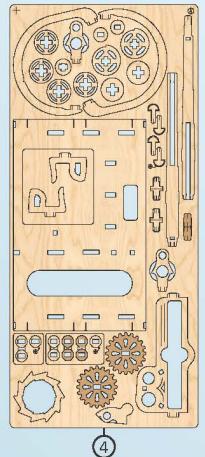


14



35

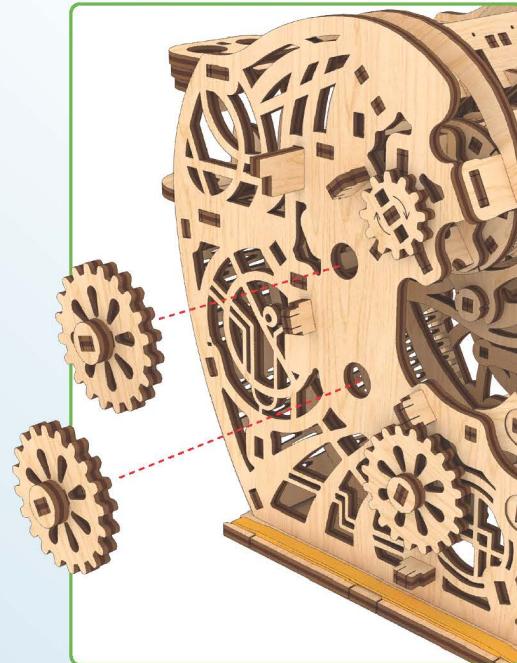
Mechanical models



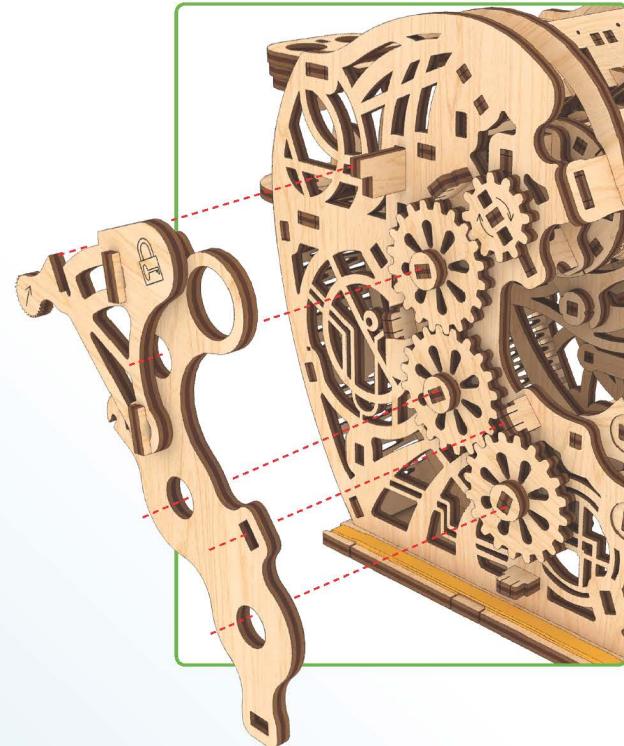
36

5

17

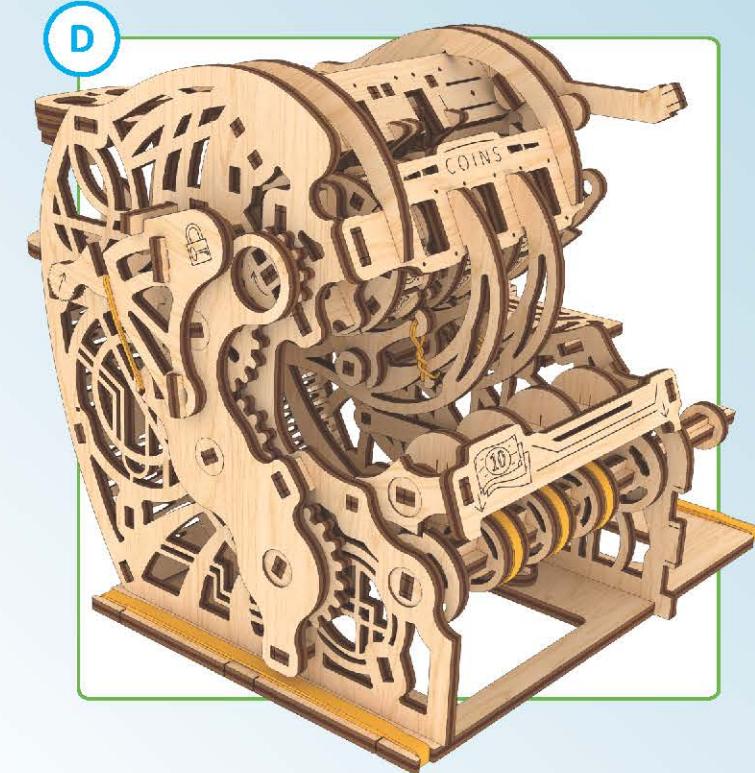
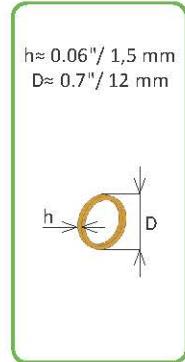


18

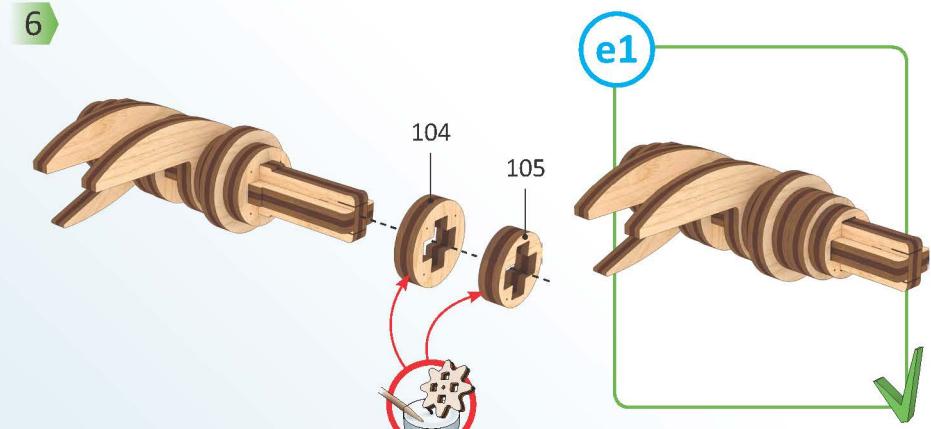
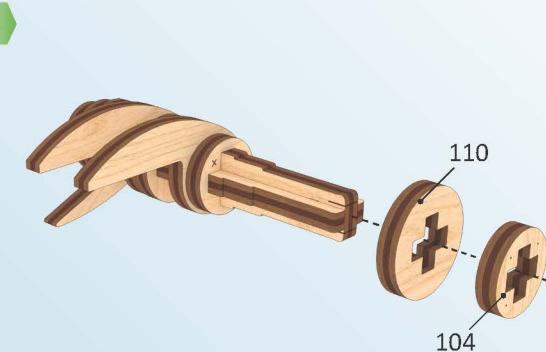
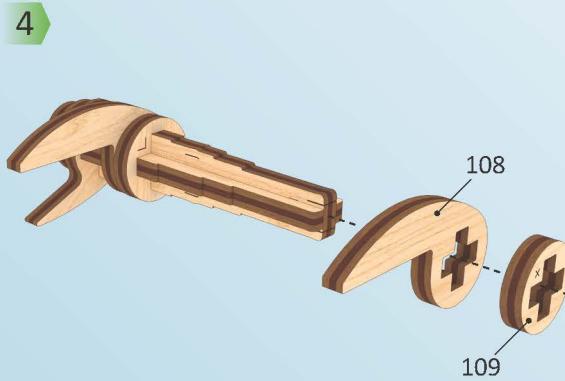
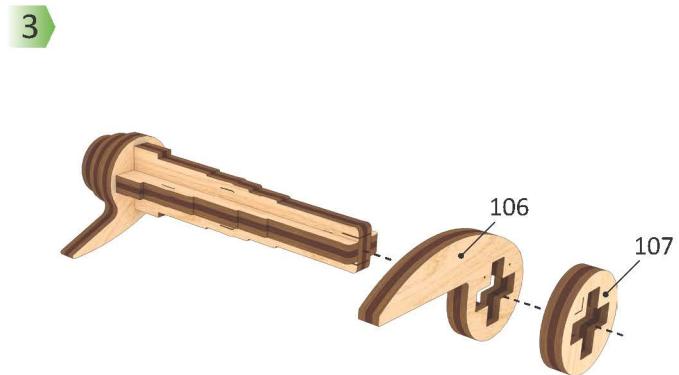
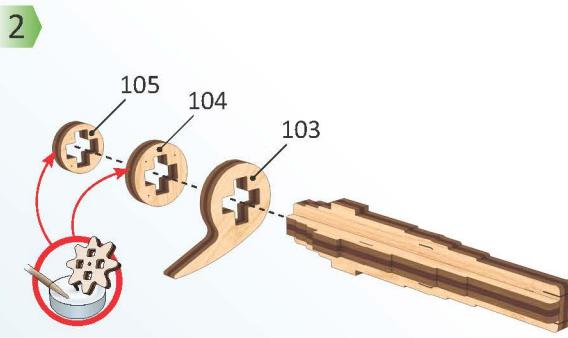
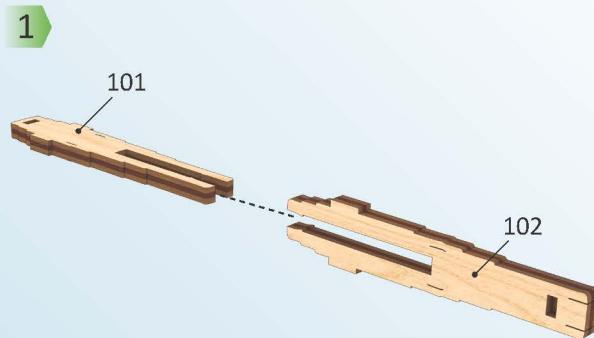
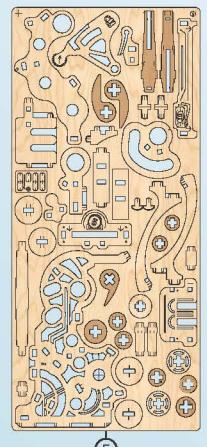


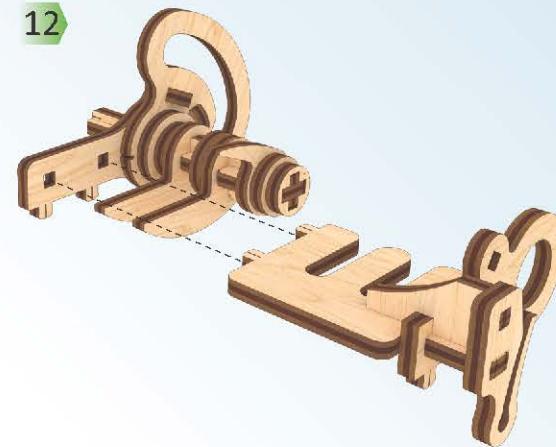
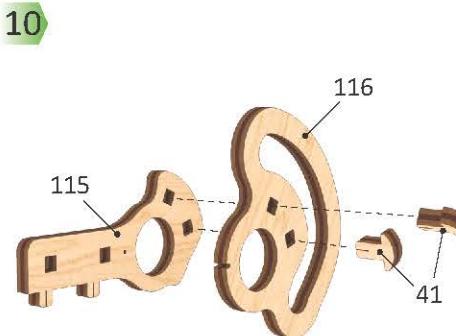
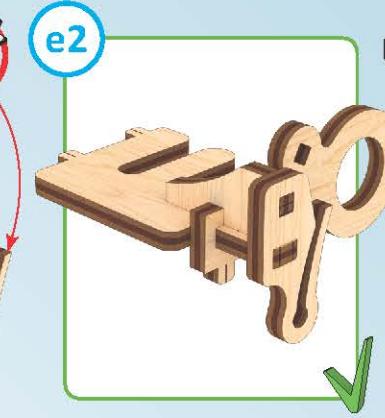
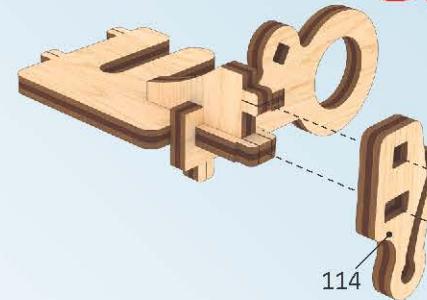
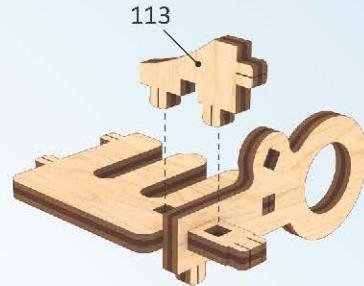
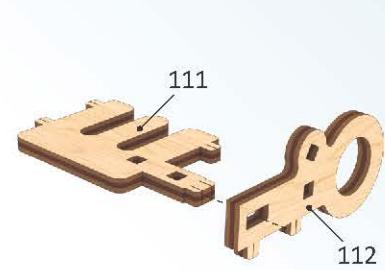
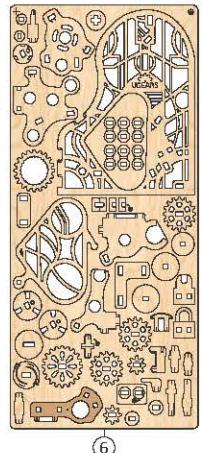
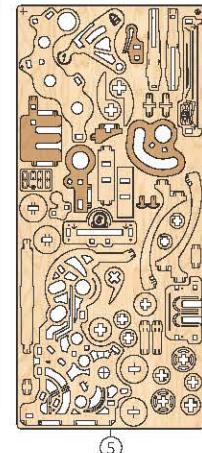
1

19

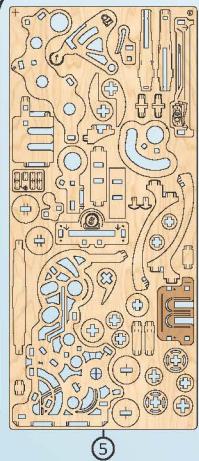


Mechanical models

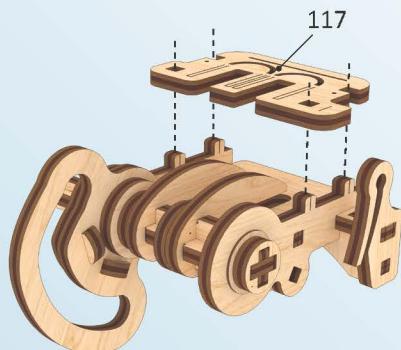




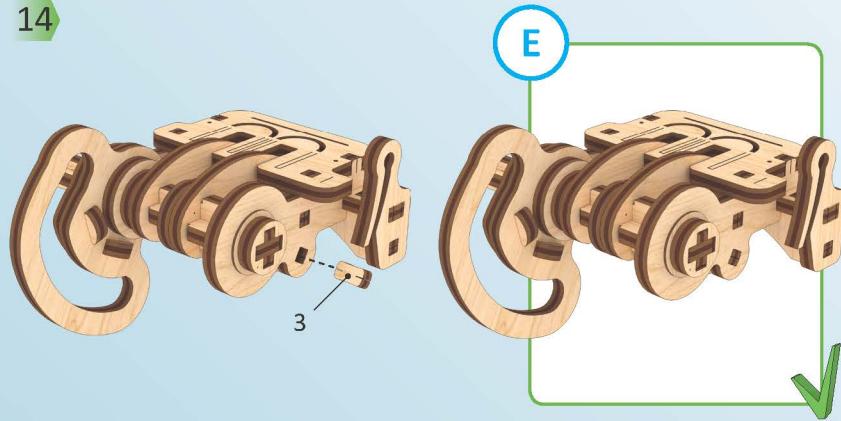
Mechanical models



13

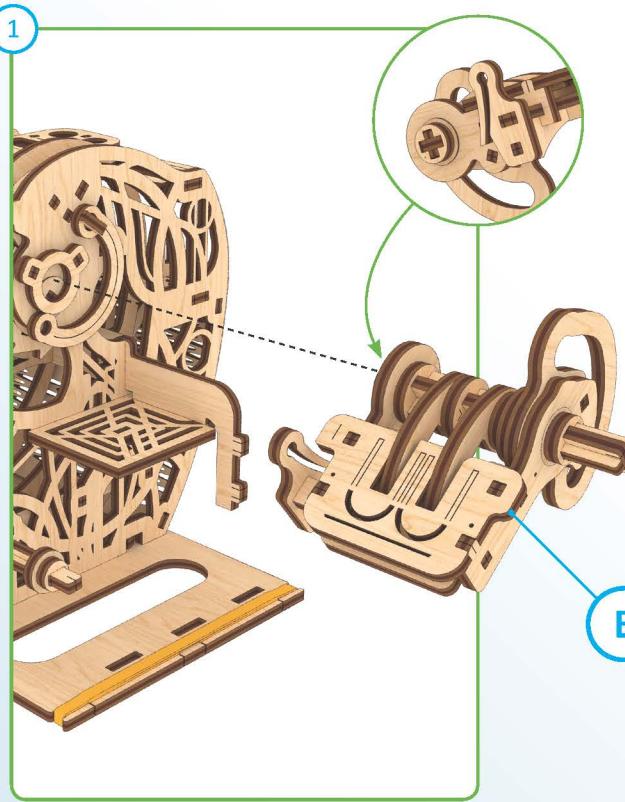


14

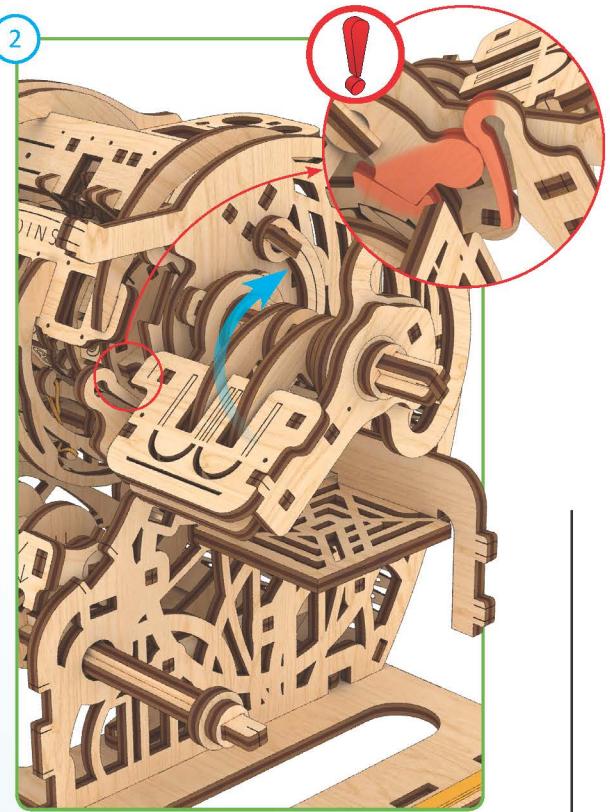


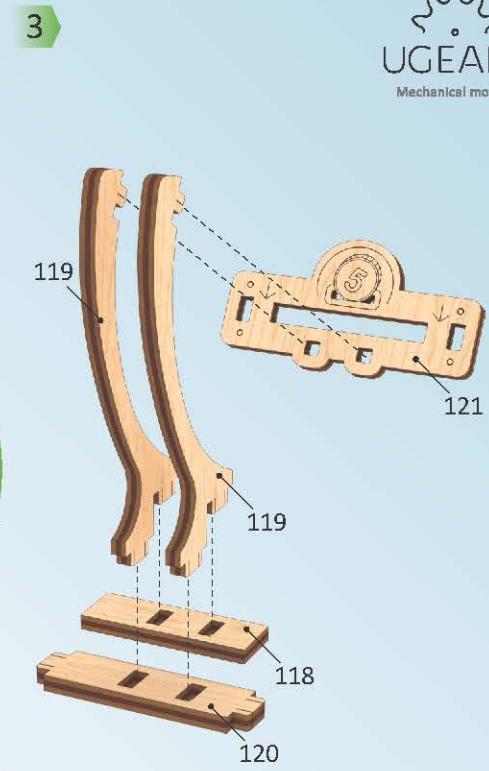
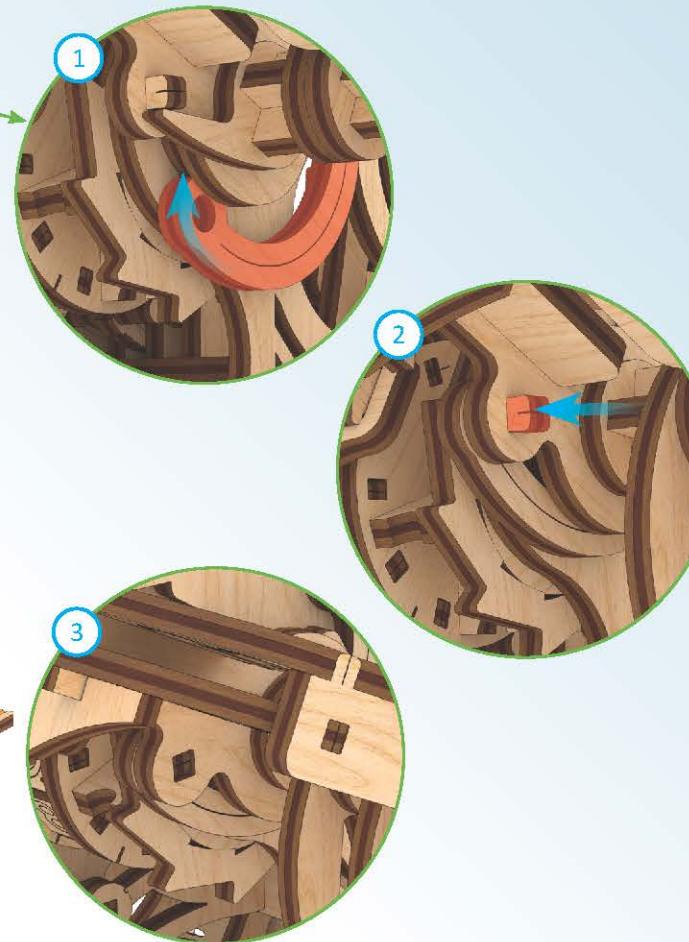
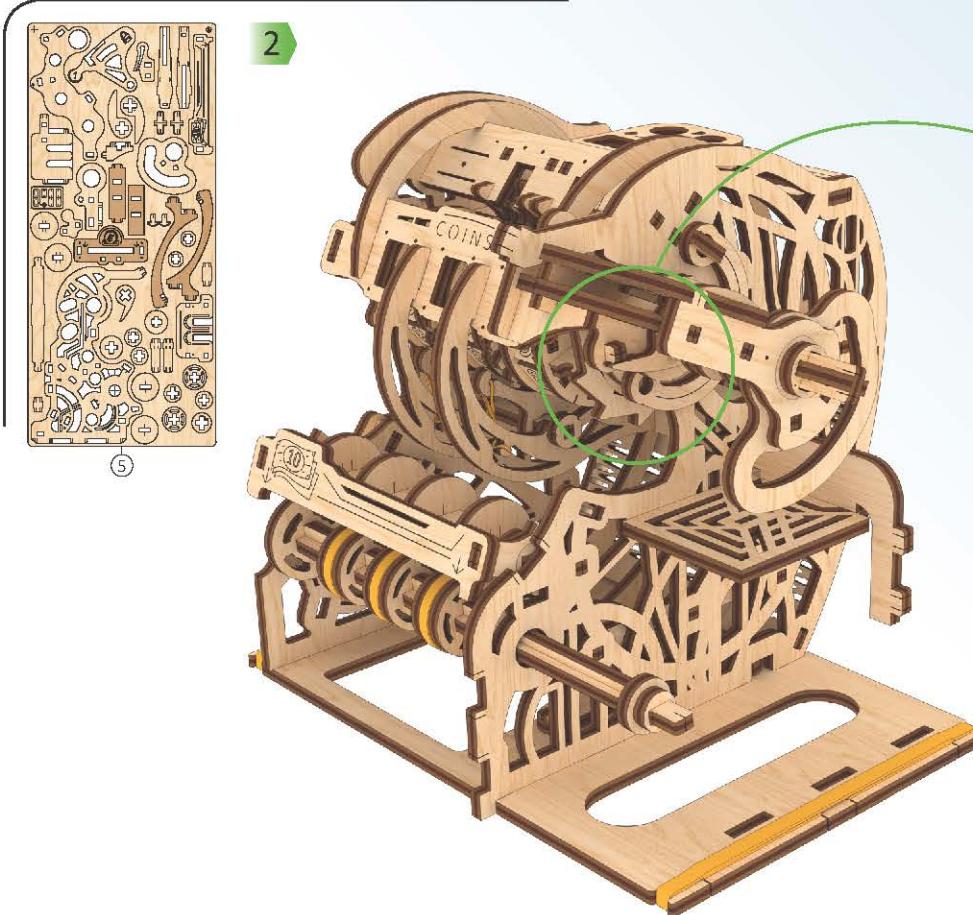
40

1

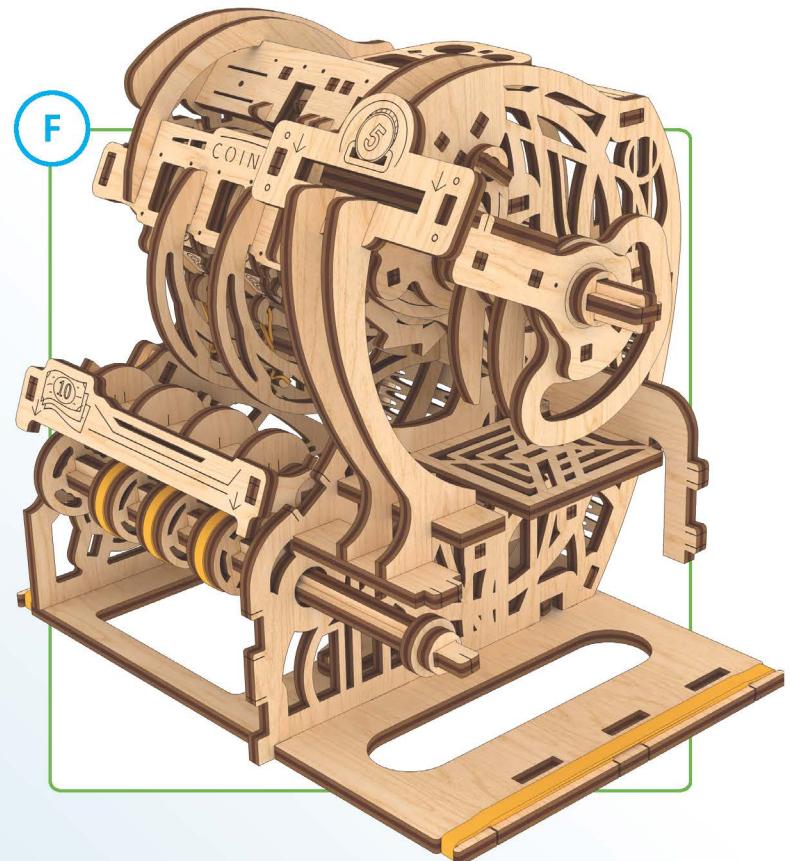
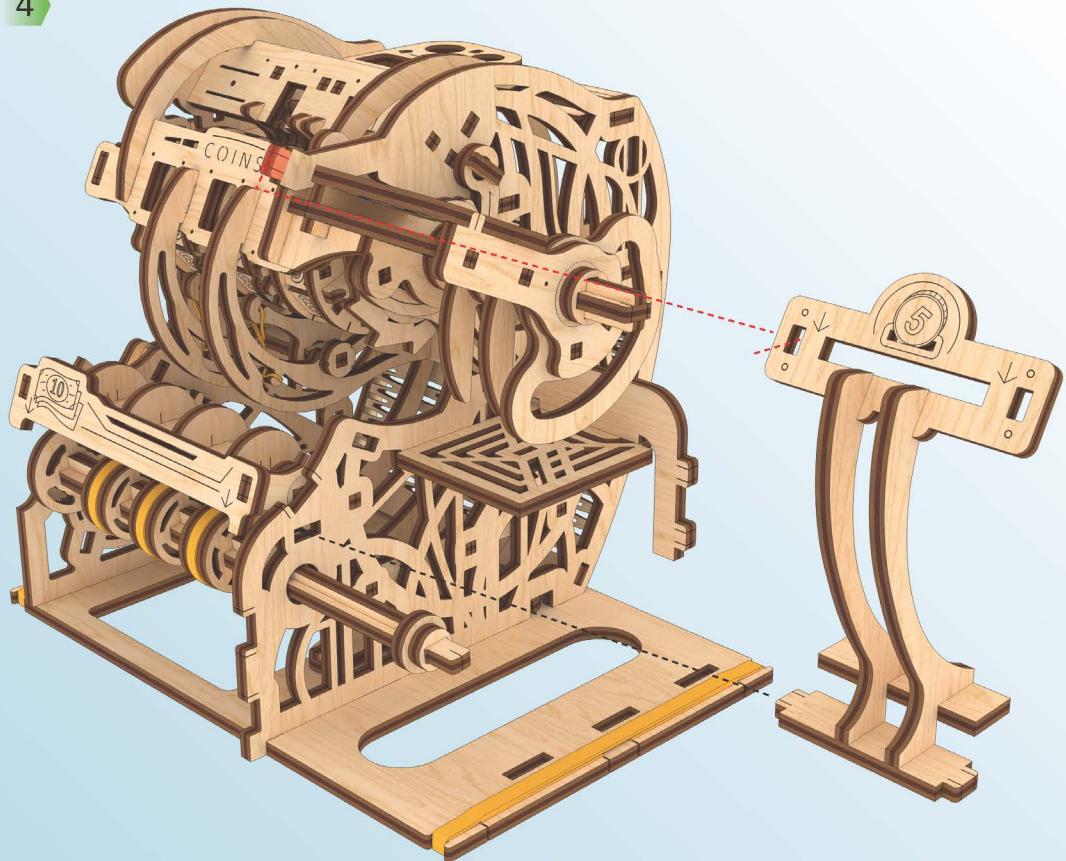


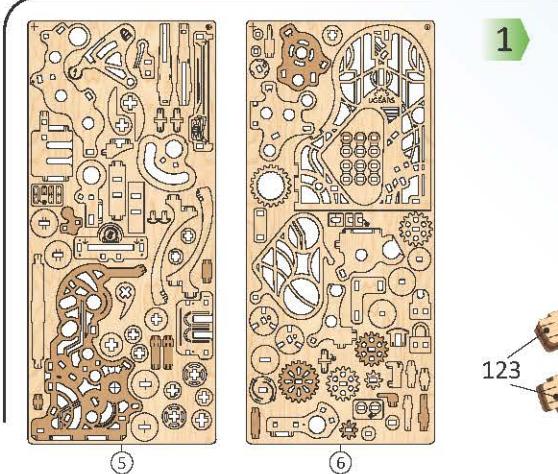
2



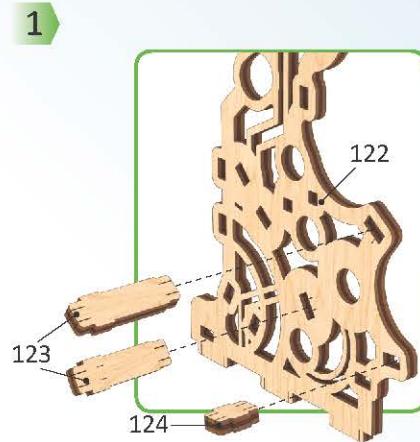


4

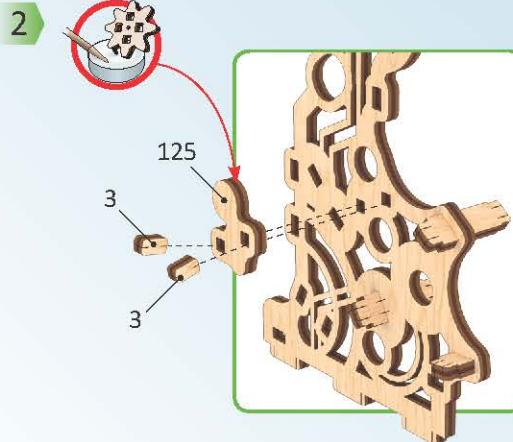




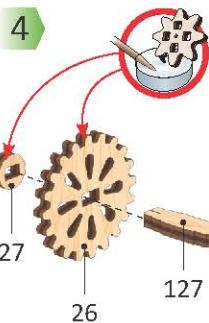
1



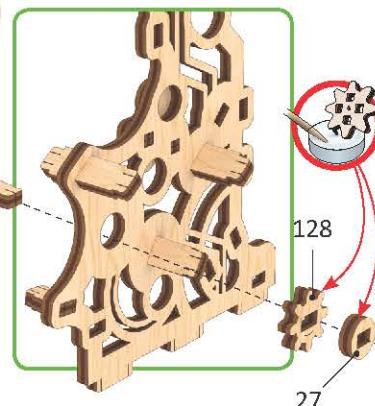
2



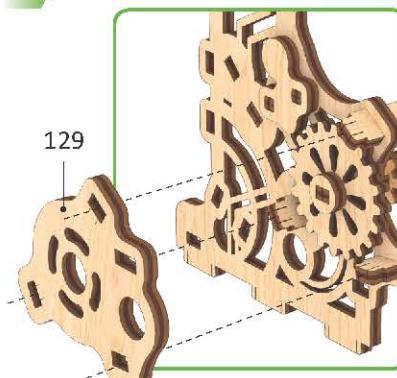
3



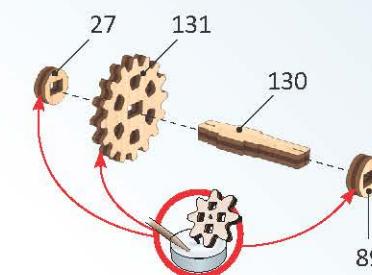
4



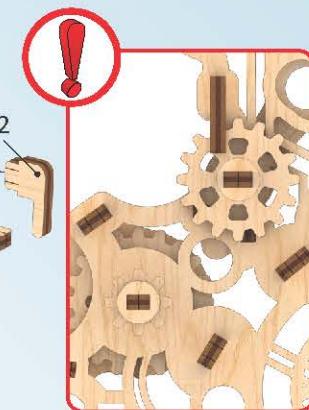
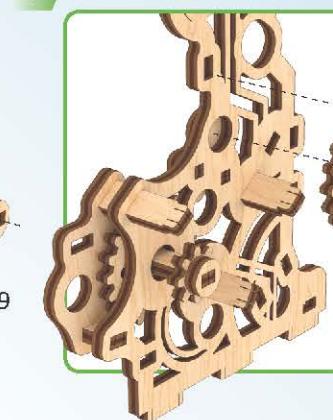
5



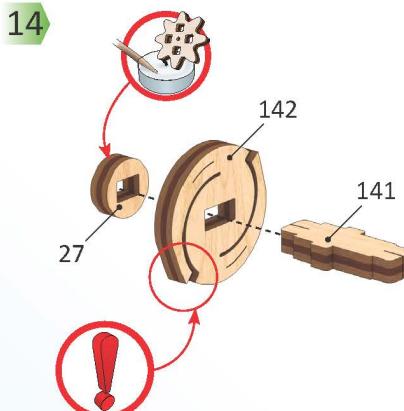
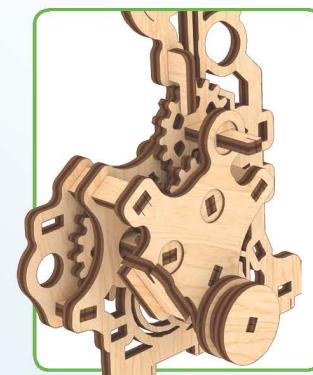
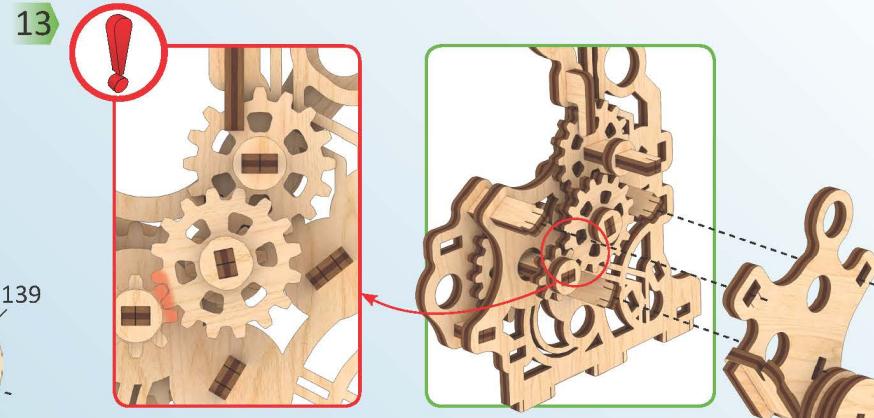
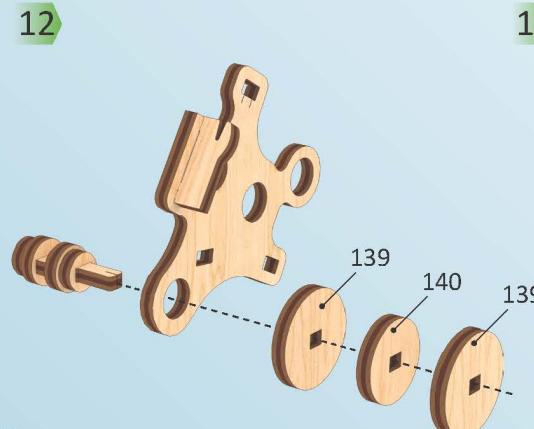
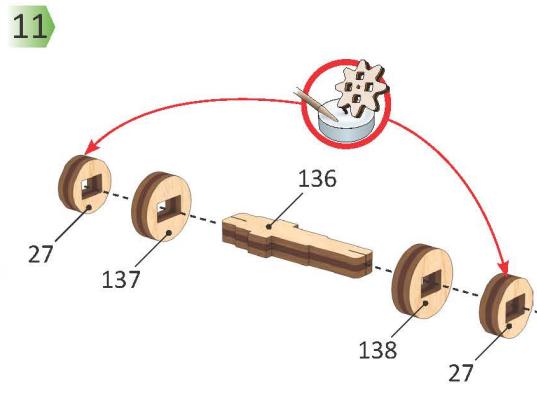
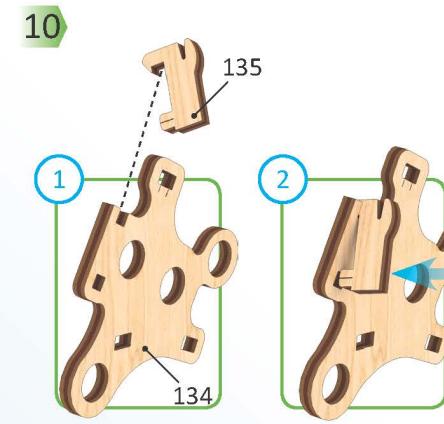
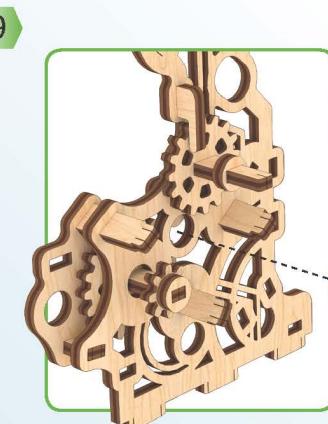
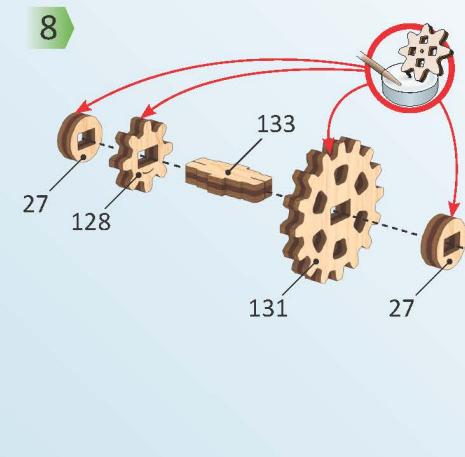
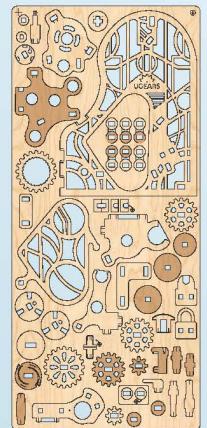
6

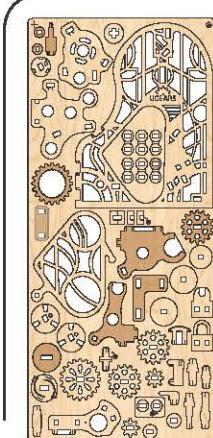


7

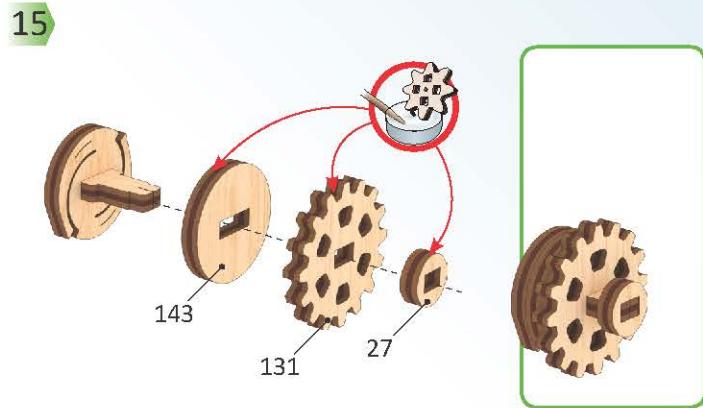


Mechanical models

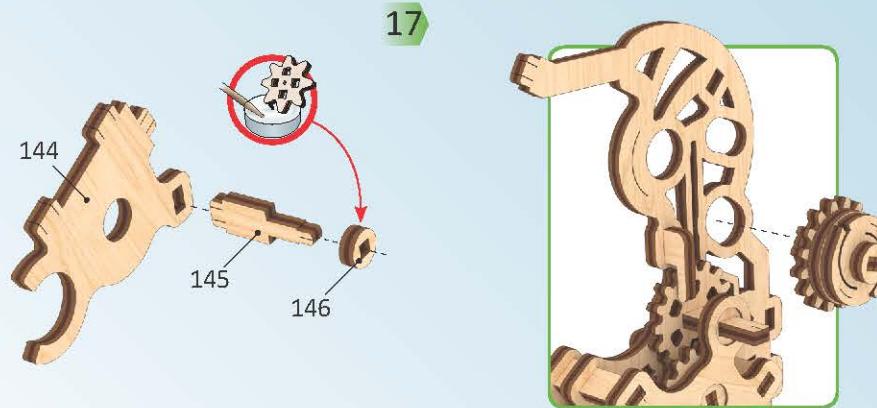




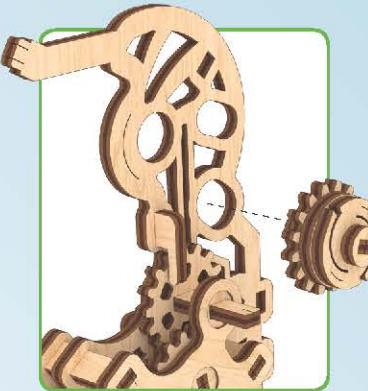
6



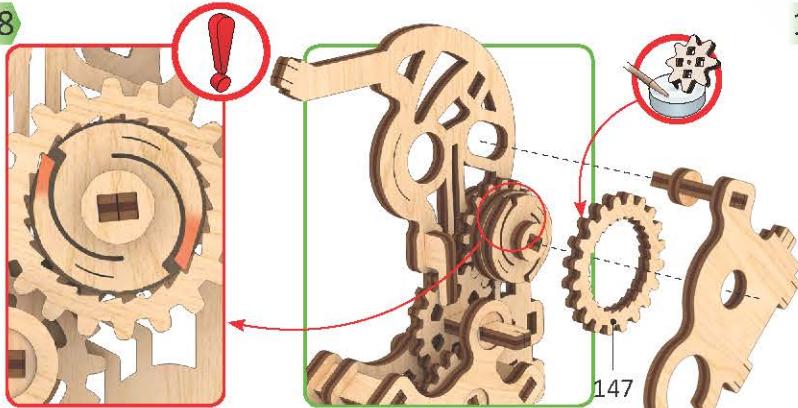
16



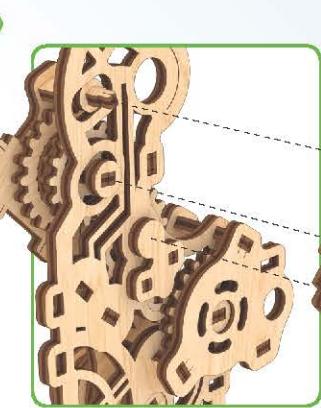
17



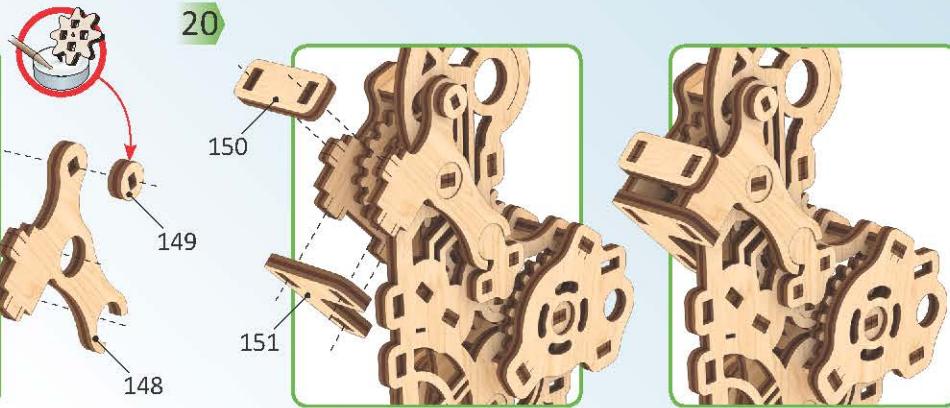
18



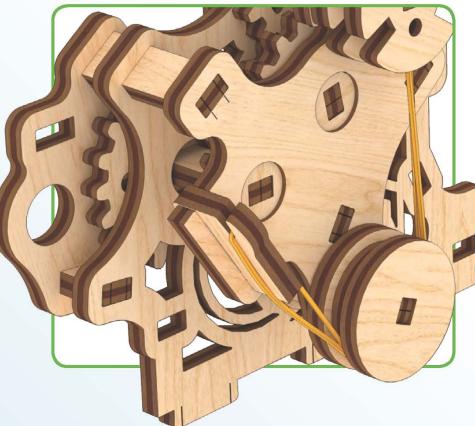
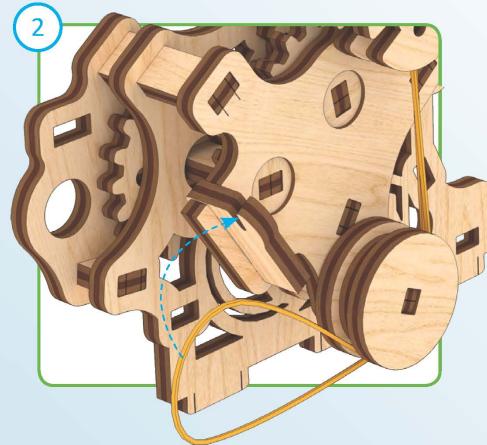
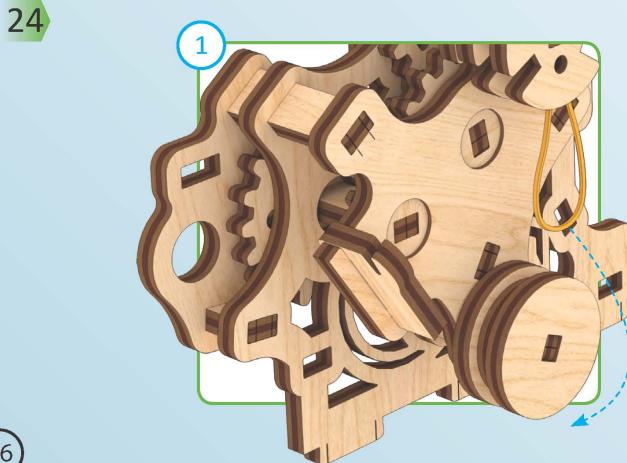
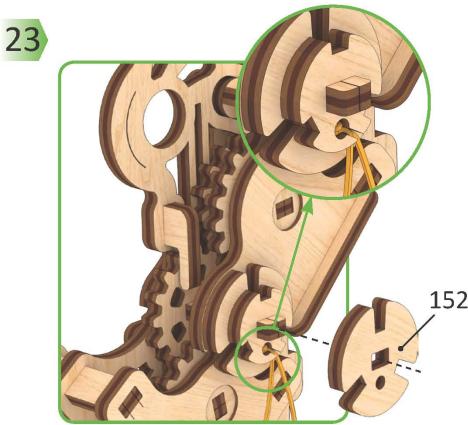
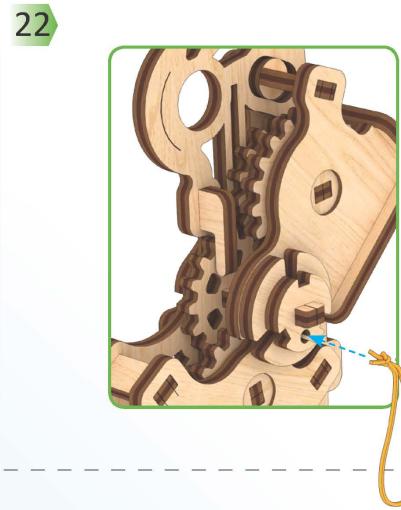
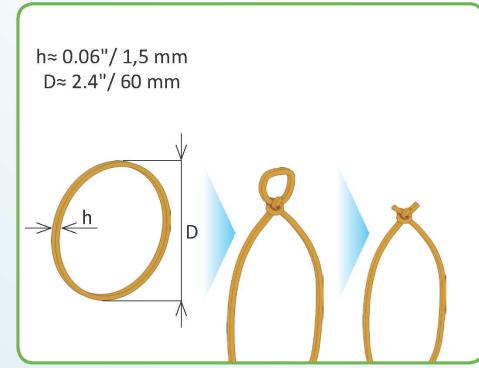
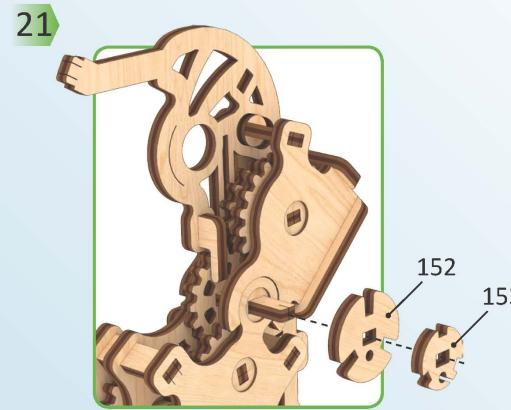
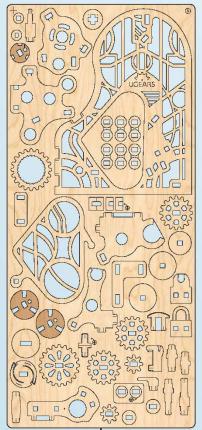
19

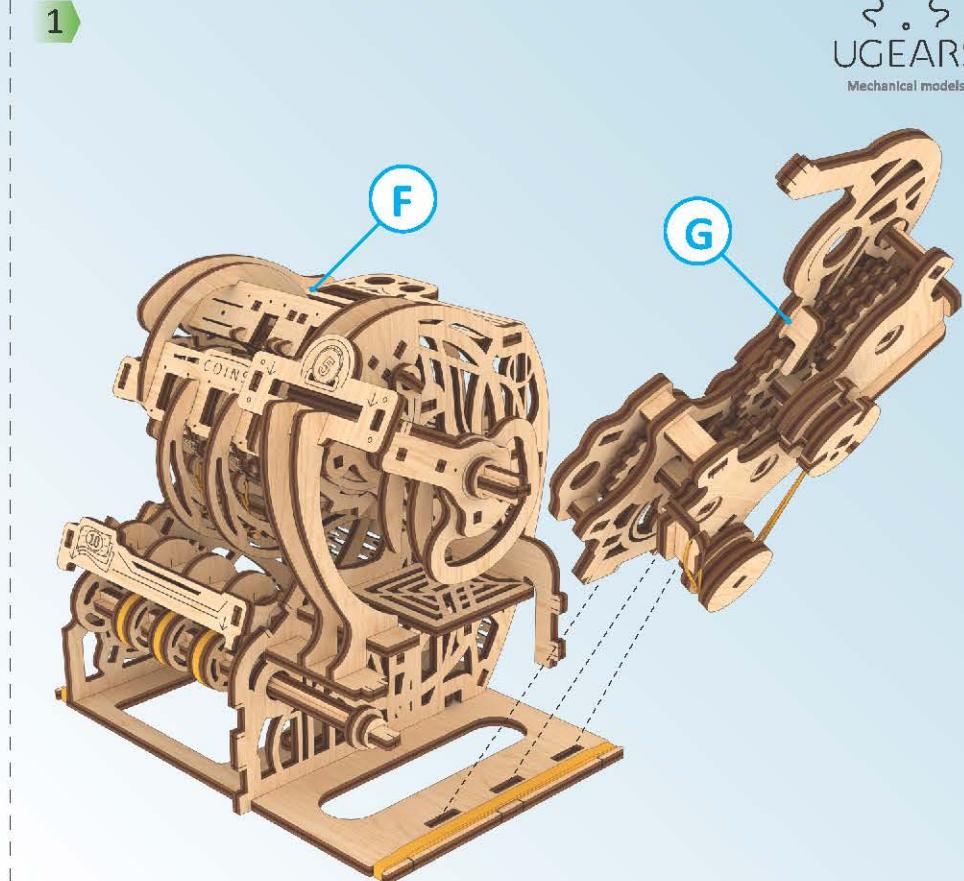
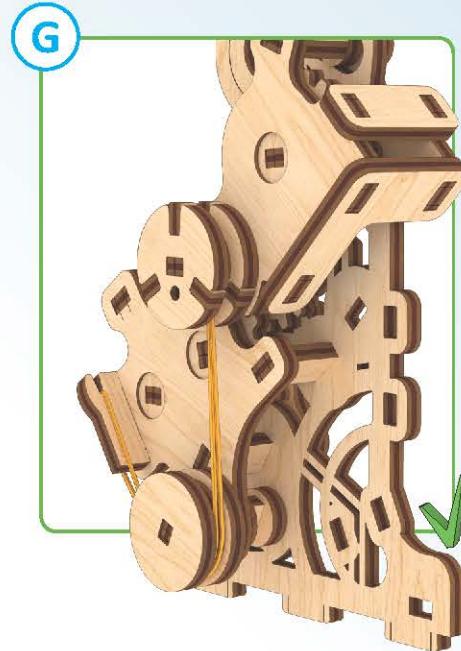
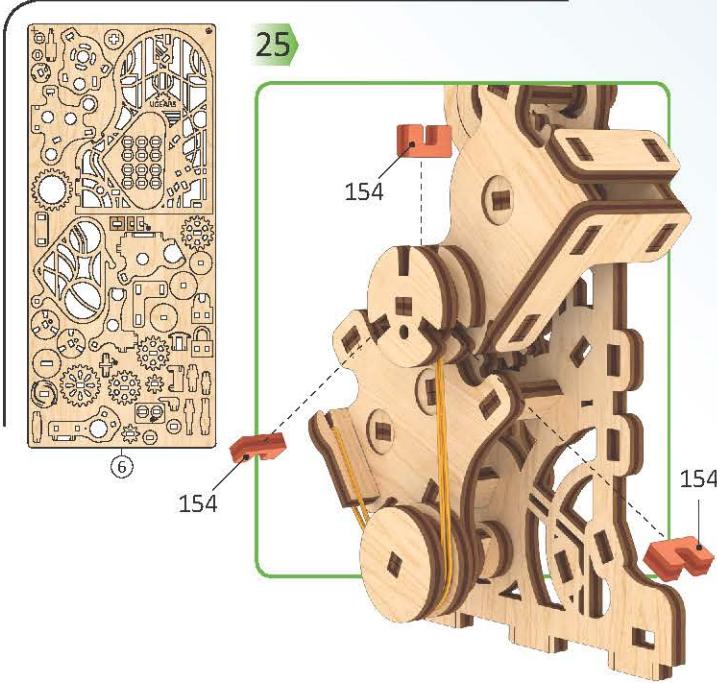


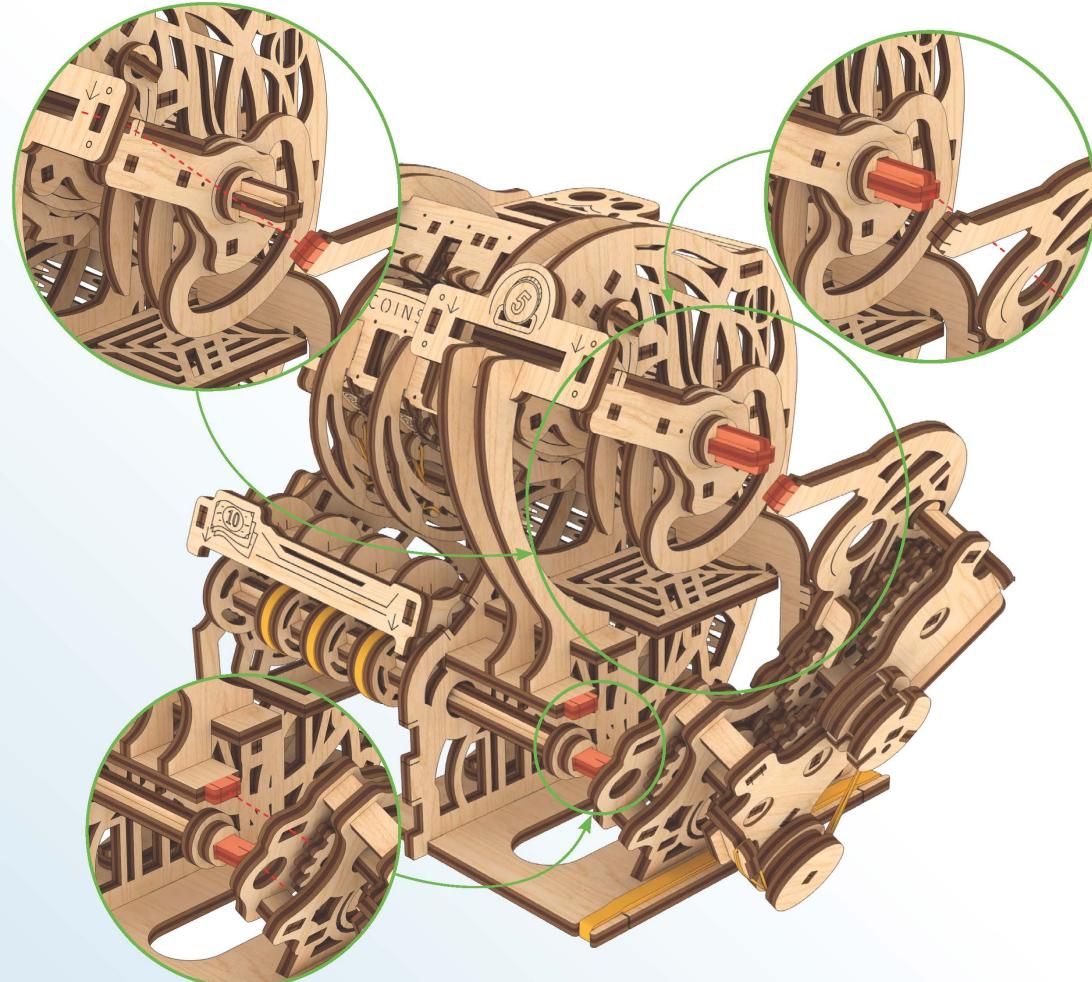
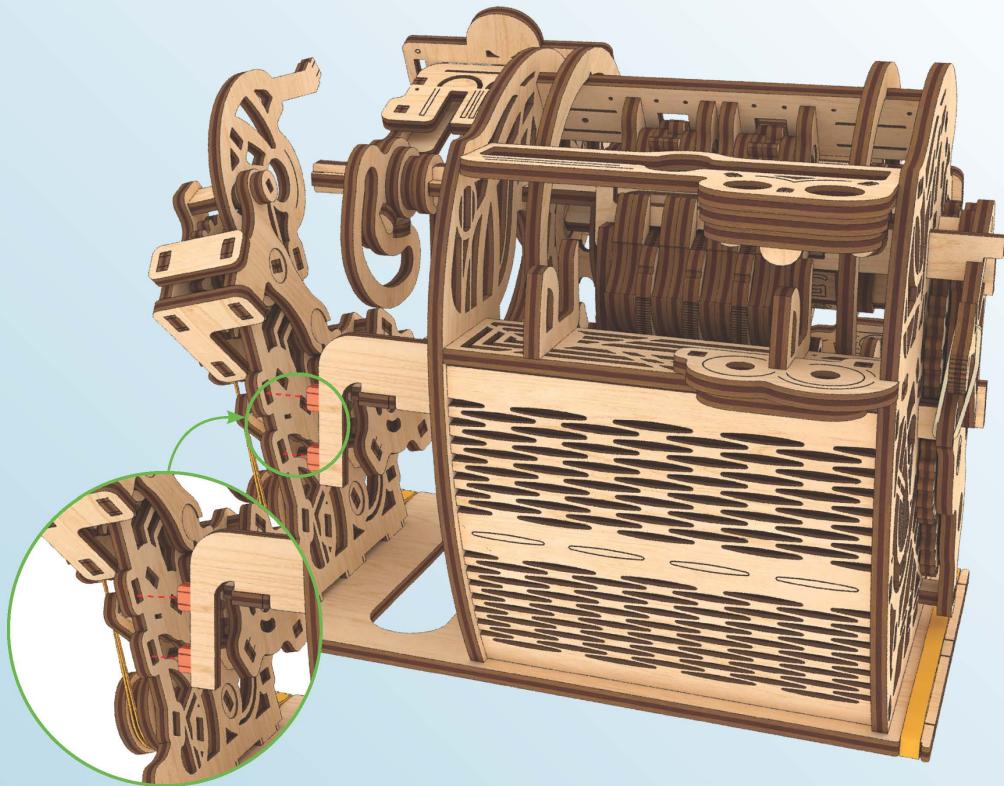
20

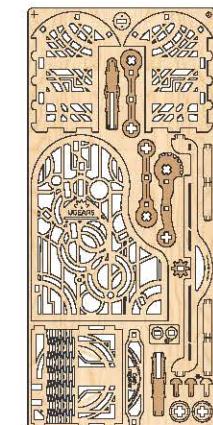
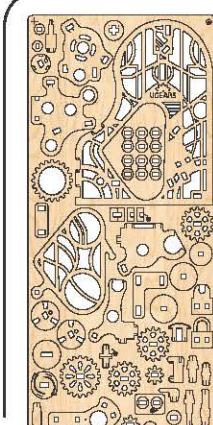


Mechanical models

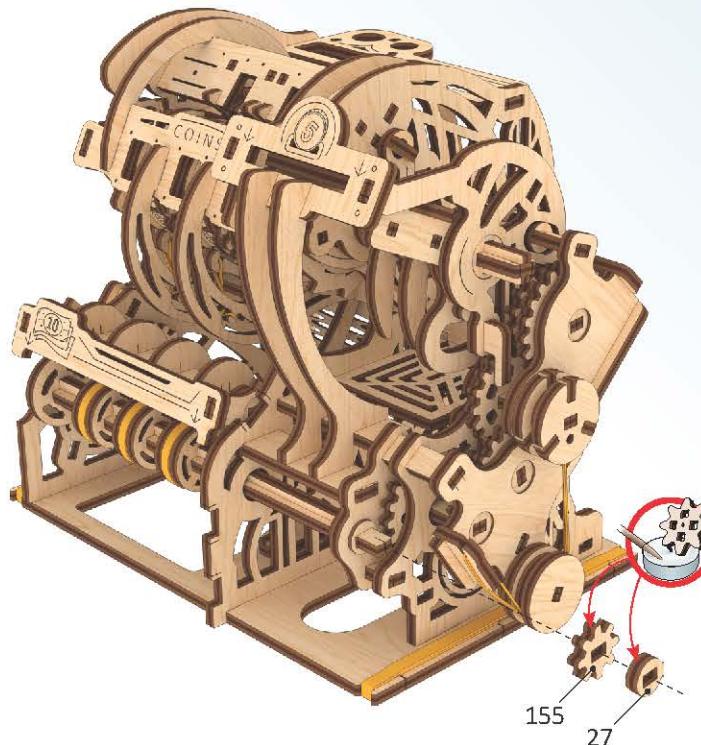






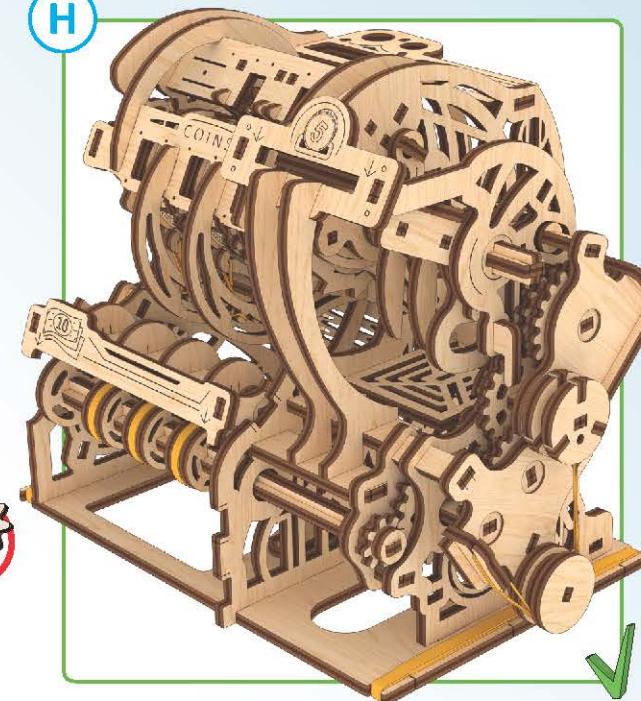


3

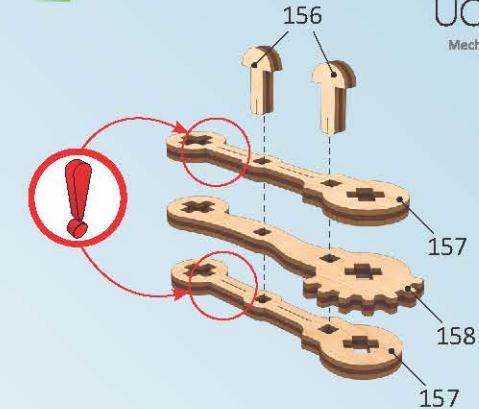


155  
27

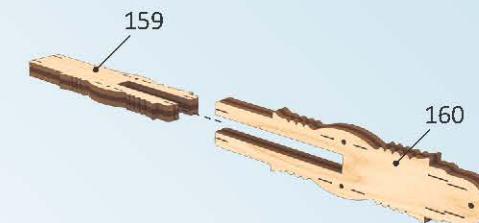
H



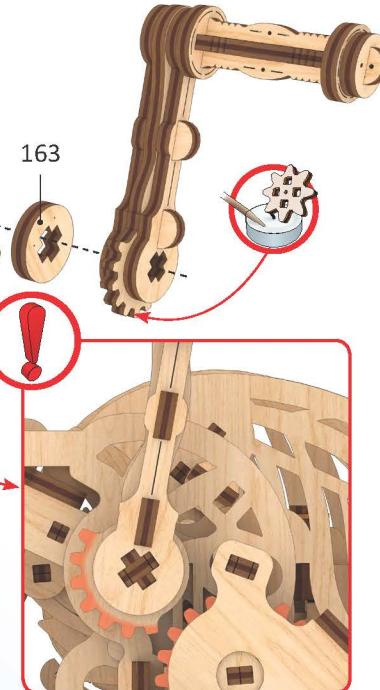
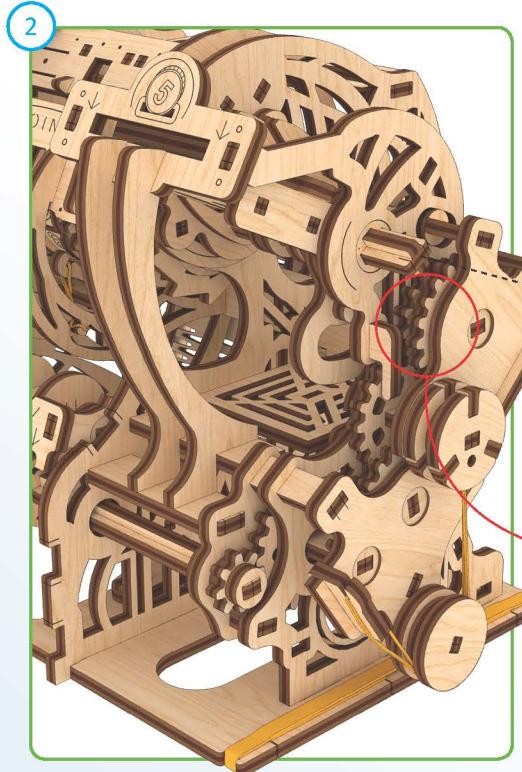
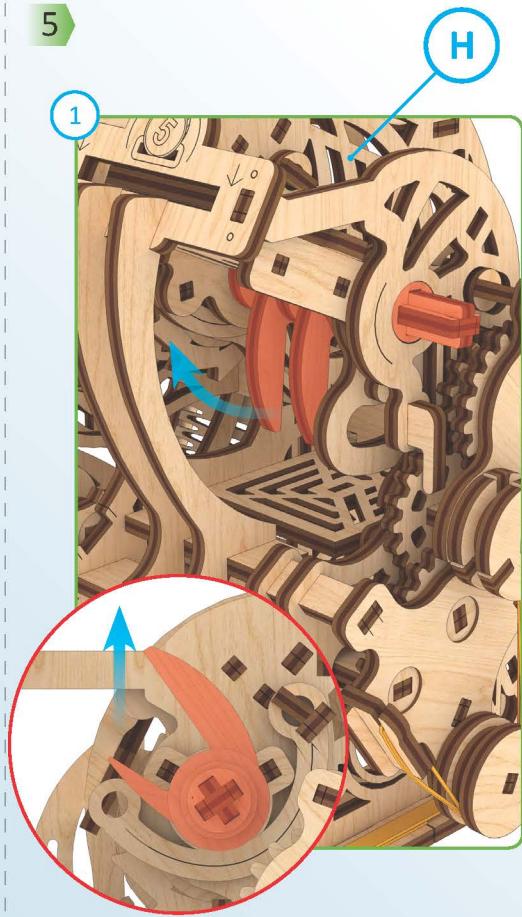
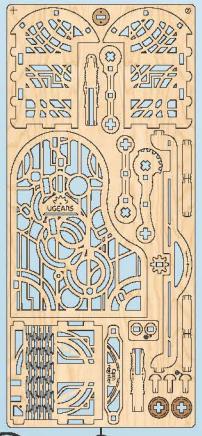
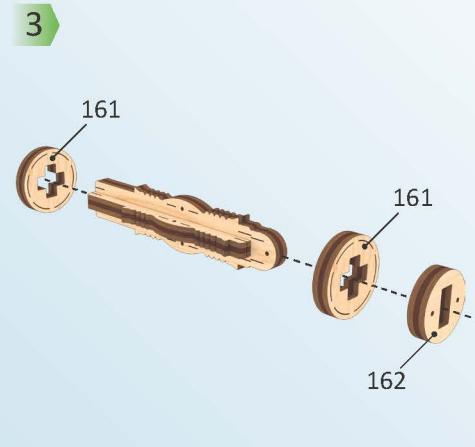
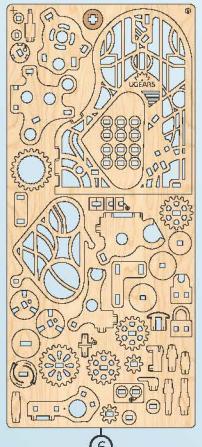
1

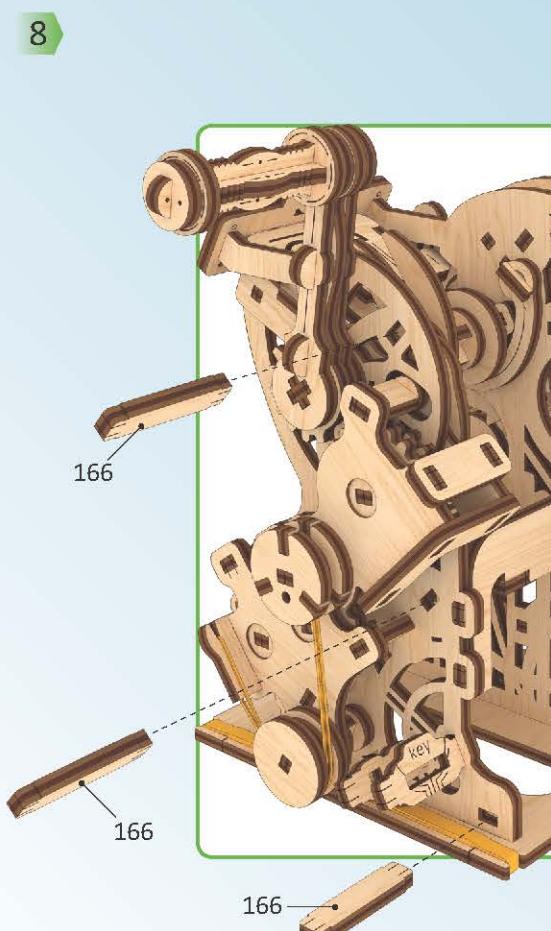
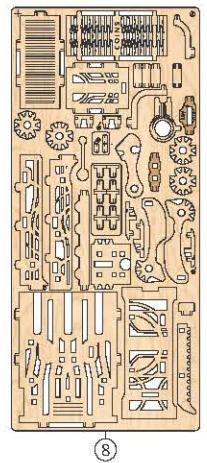
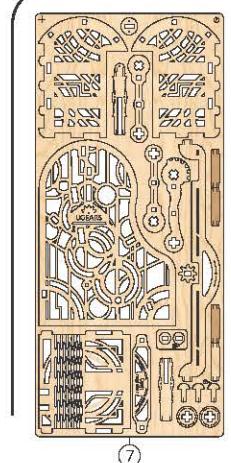


2

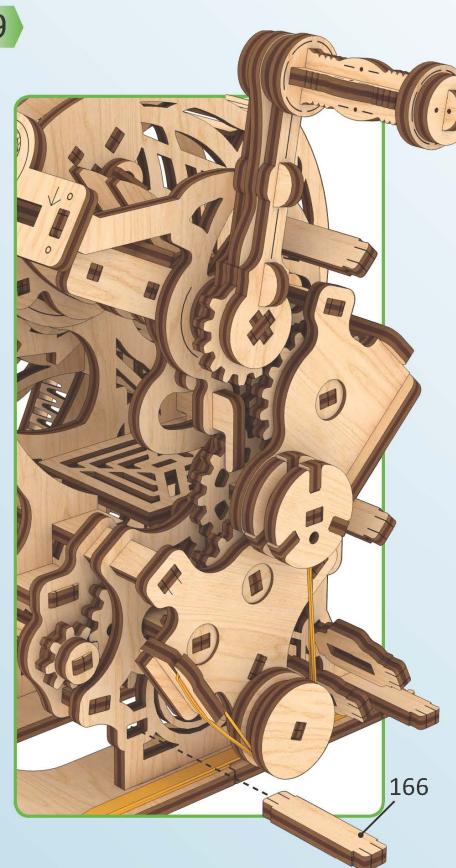
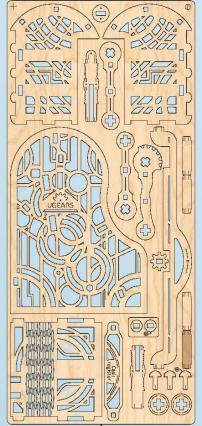
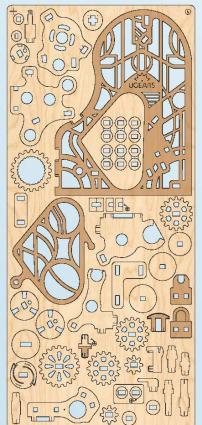


Mechanical models

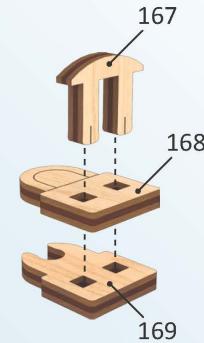




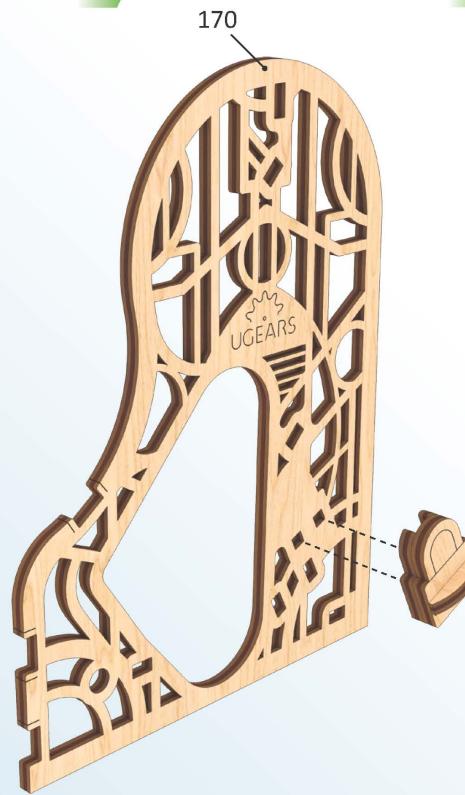
Mechanical models



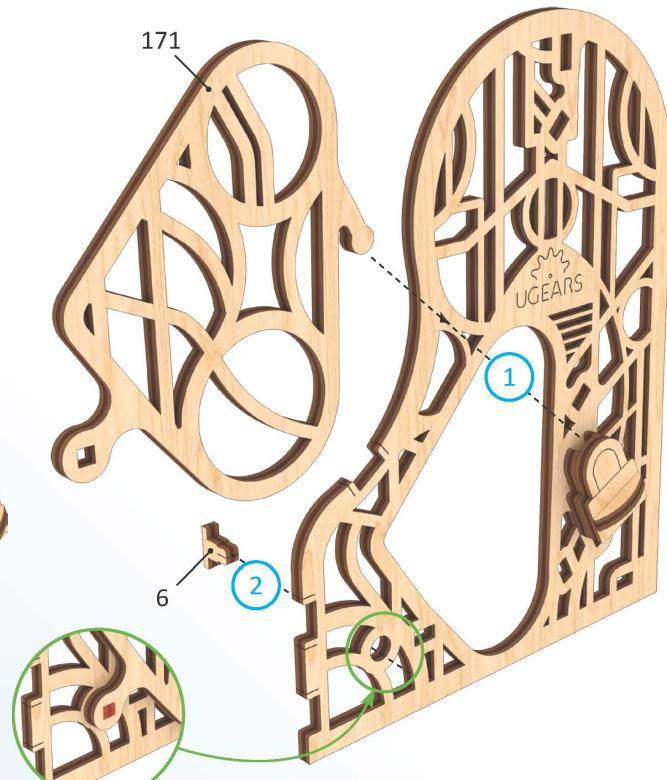
10

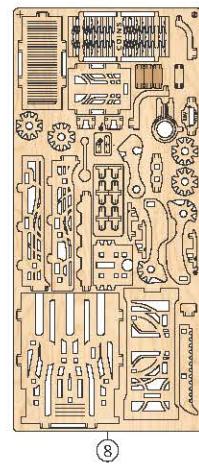
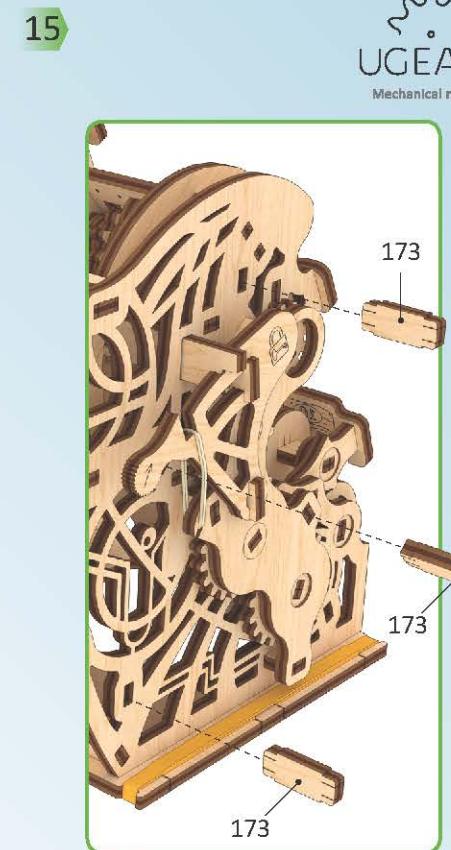
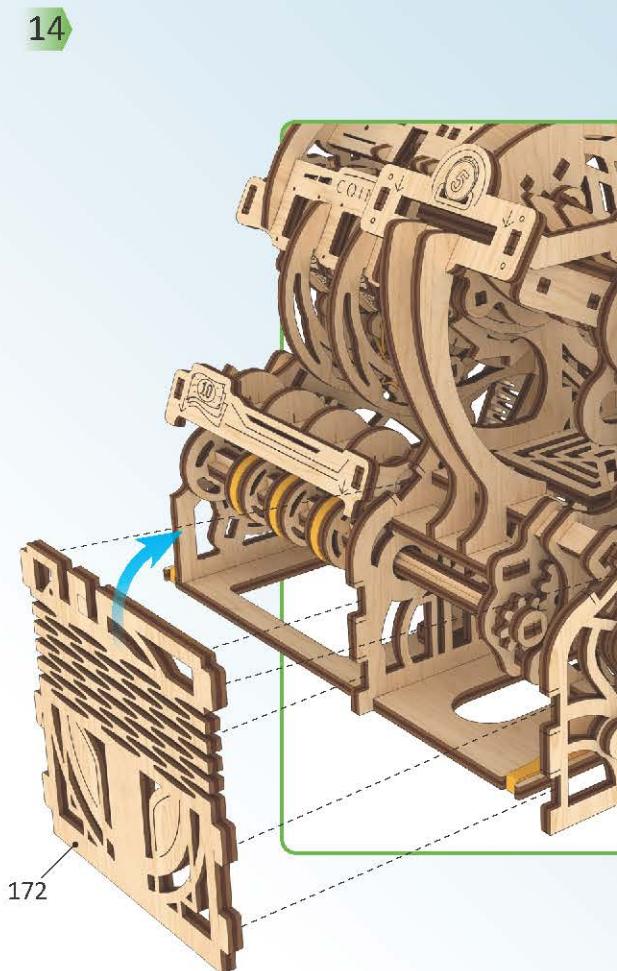
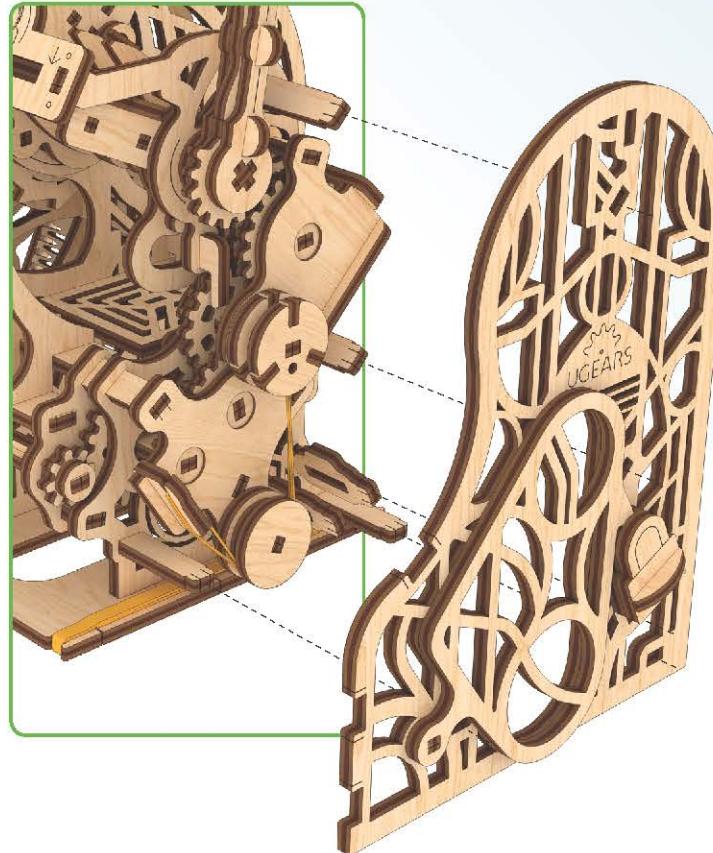
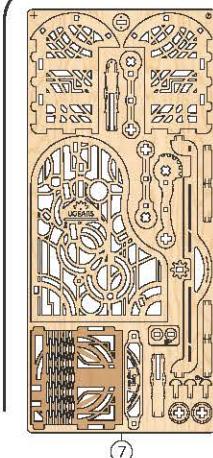


11

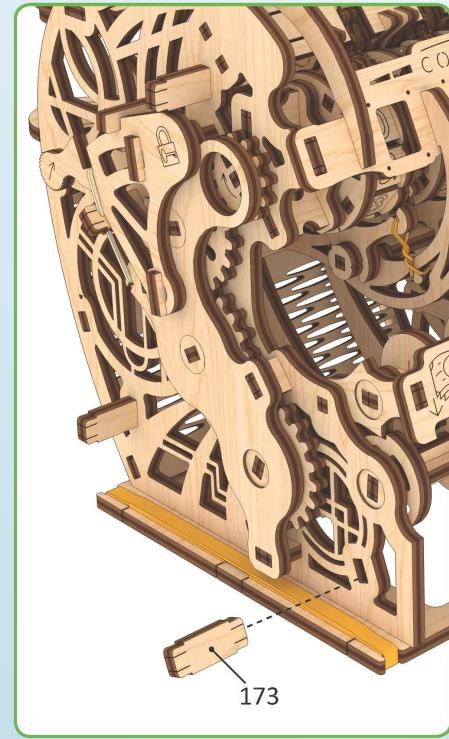
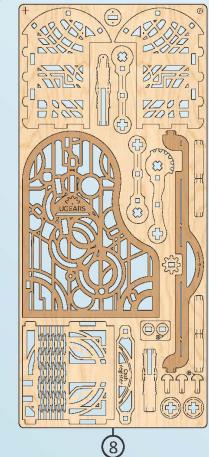


12



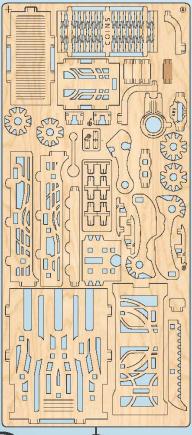


Mechanical models

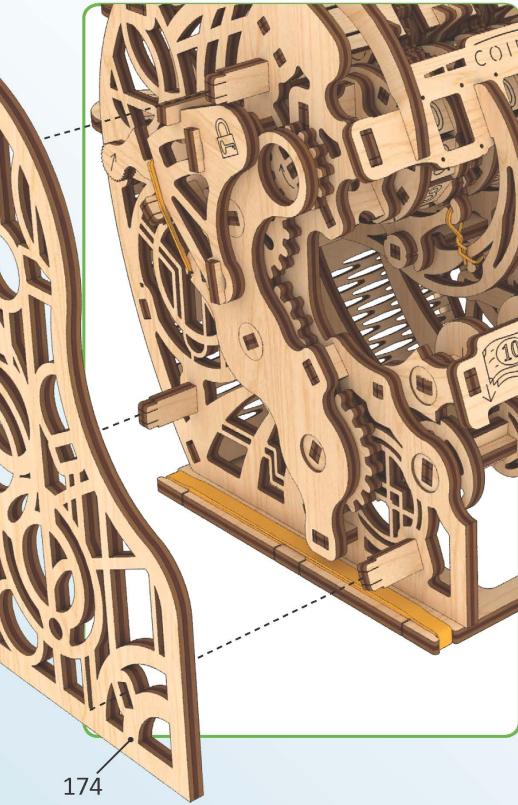


16

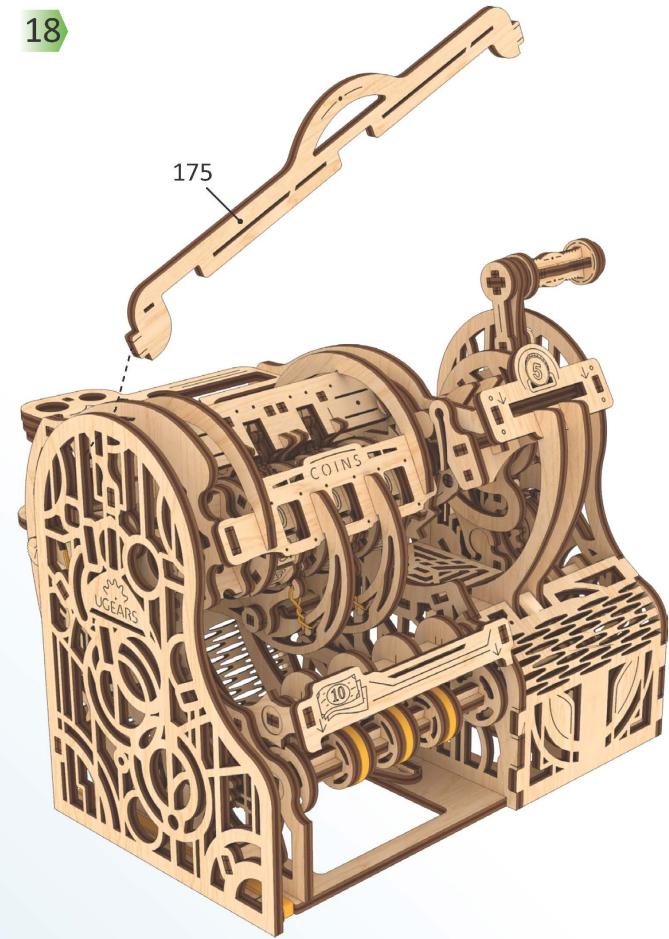
17



54



18

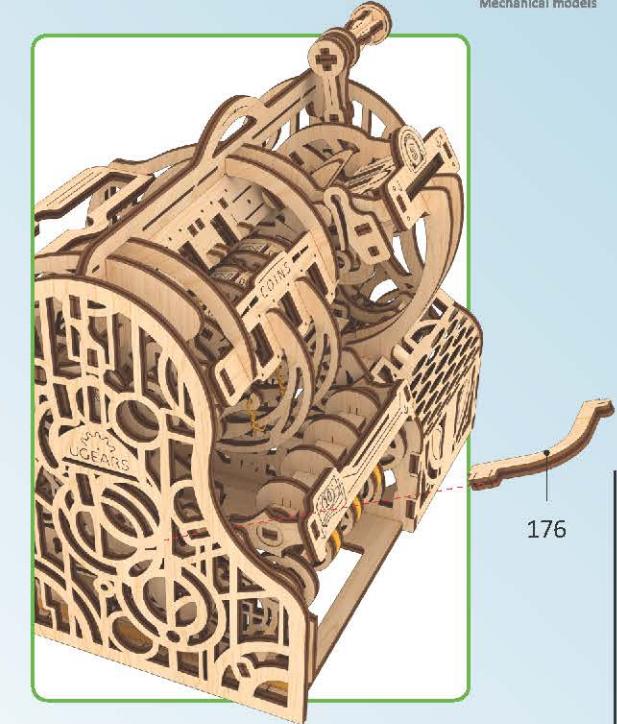
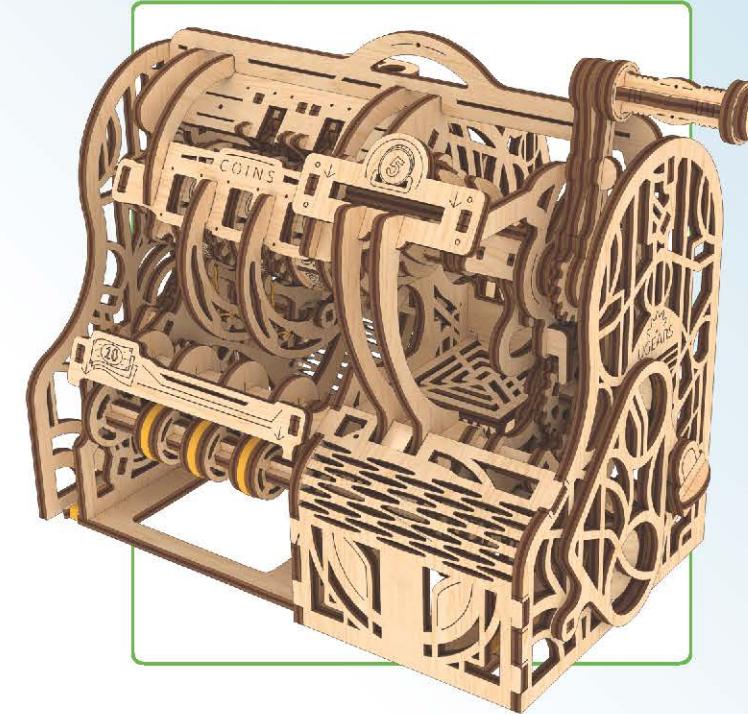
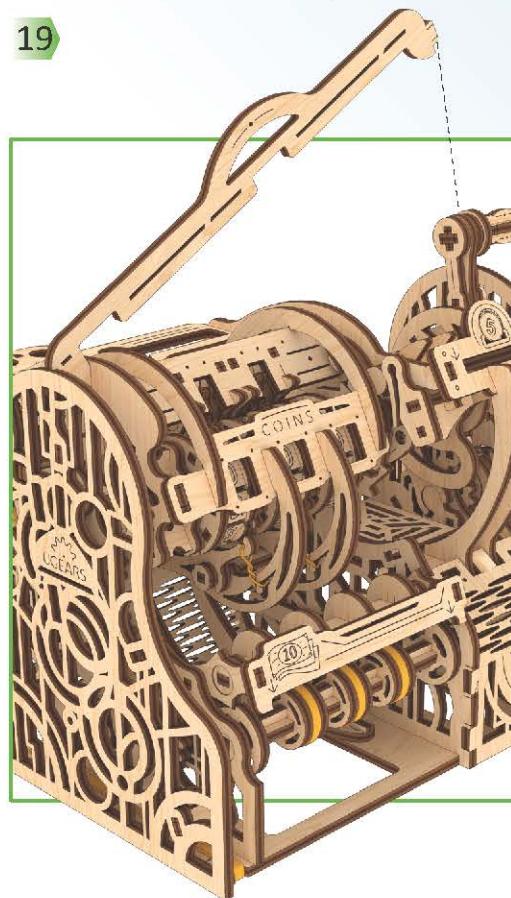
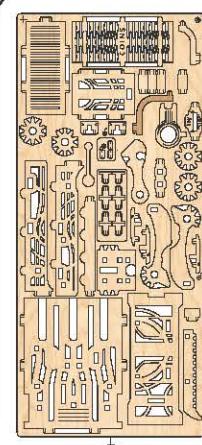


175

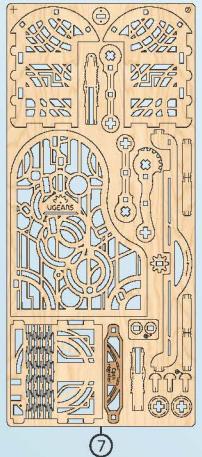
COINS

LUGEAR

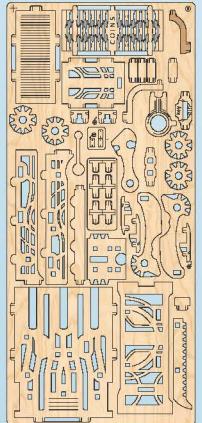
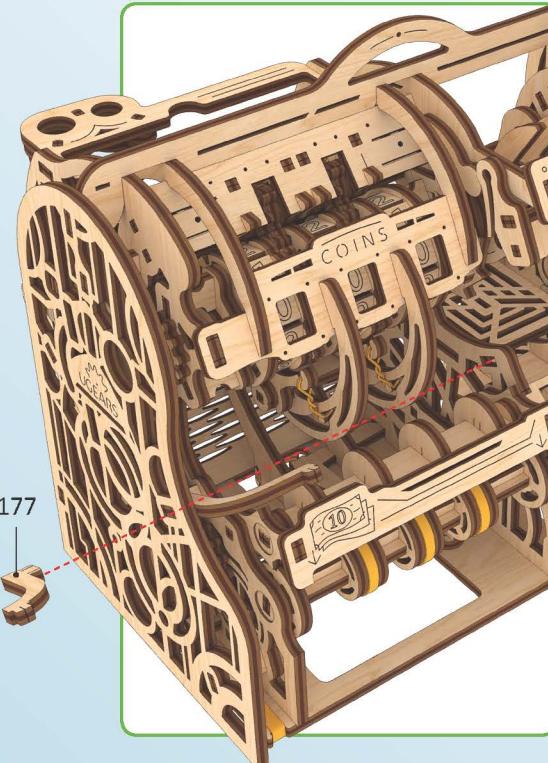
10



Mechanical models



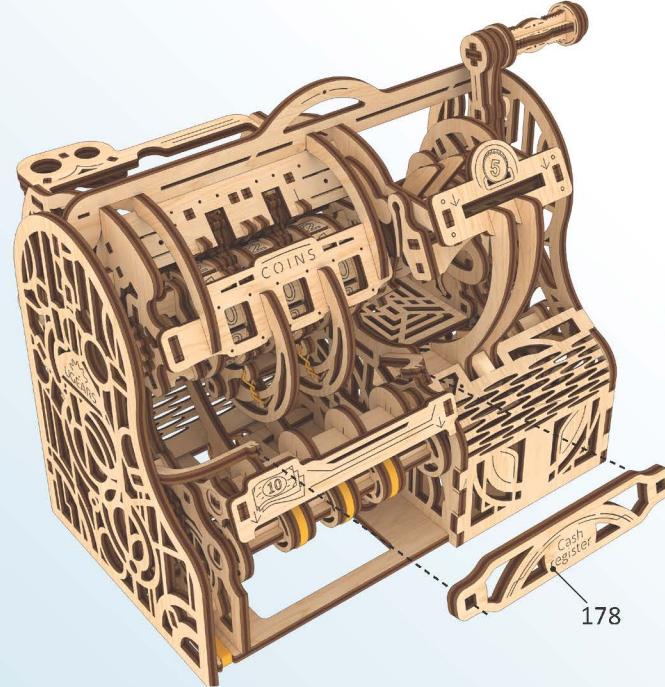
21



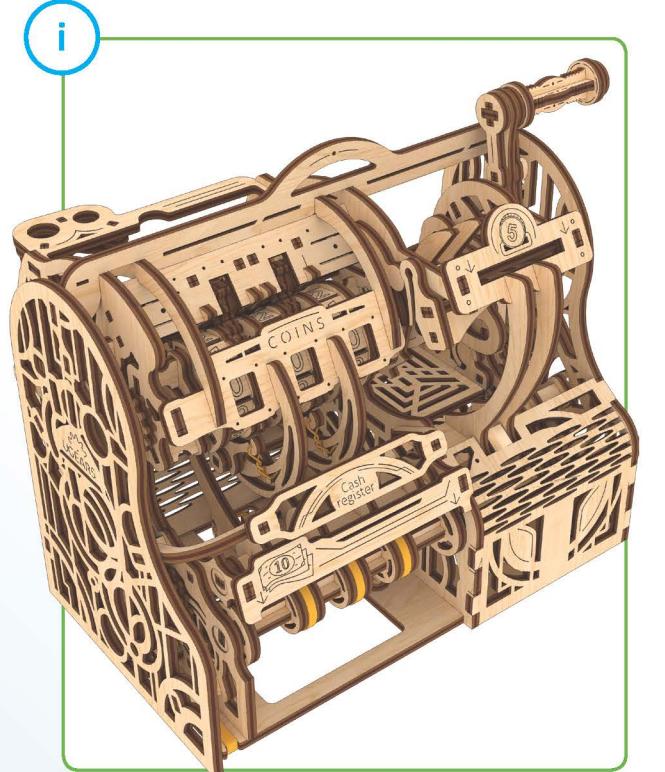
56

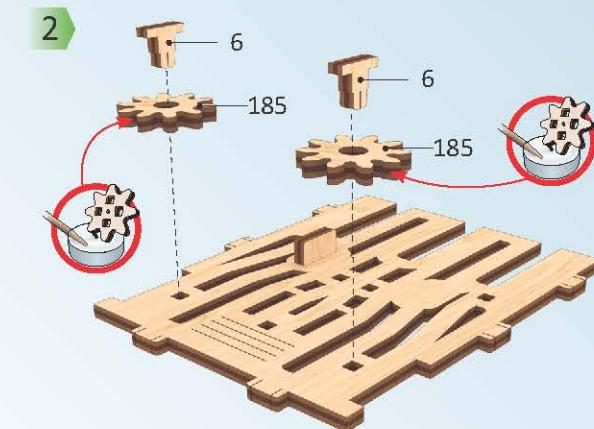
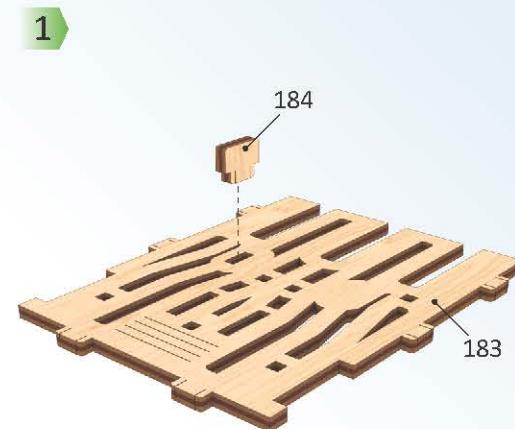
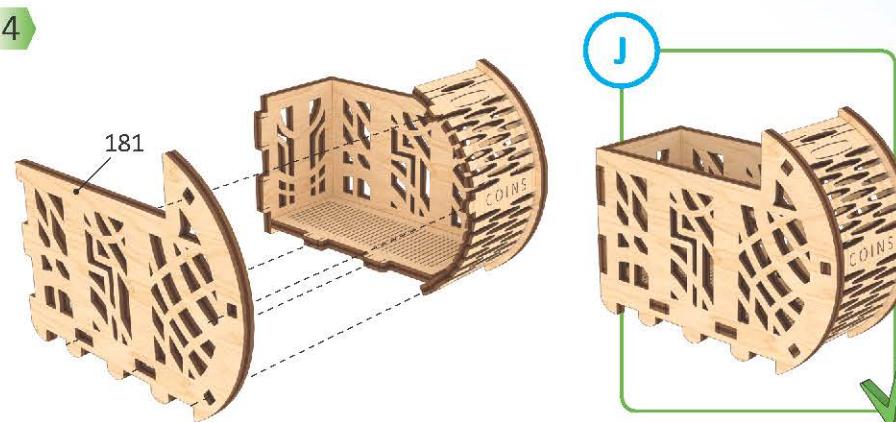
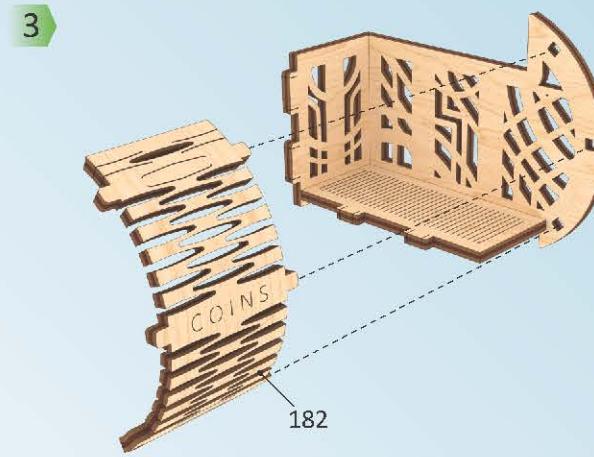
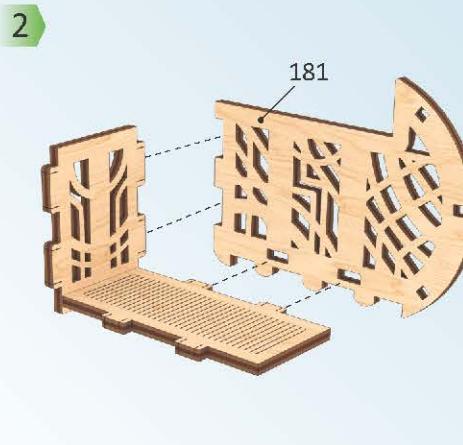
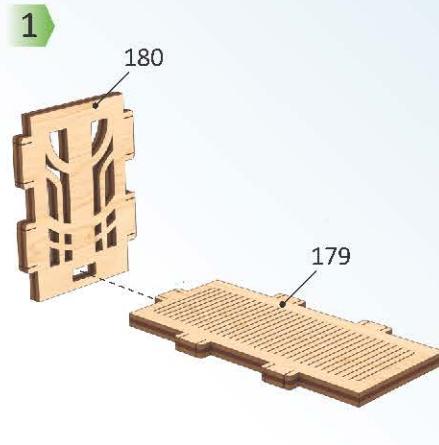
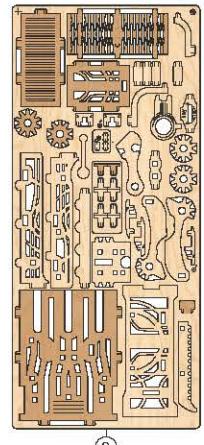
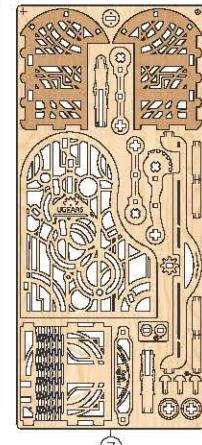
8

22

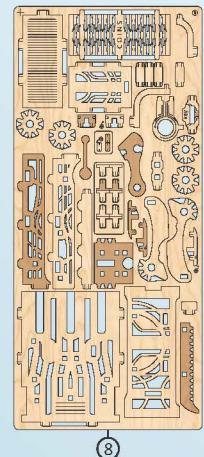


178

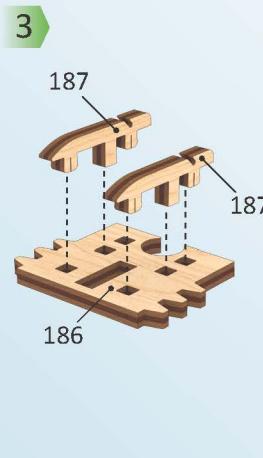




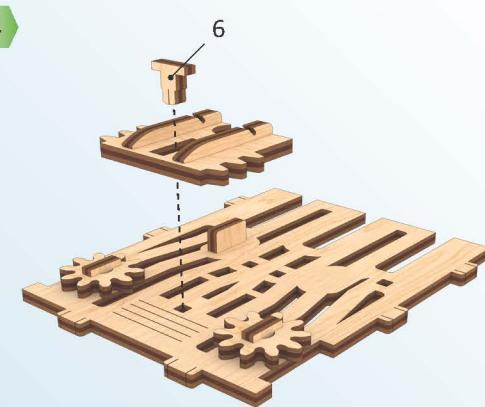
Mechanical models



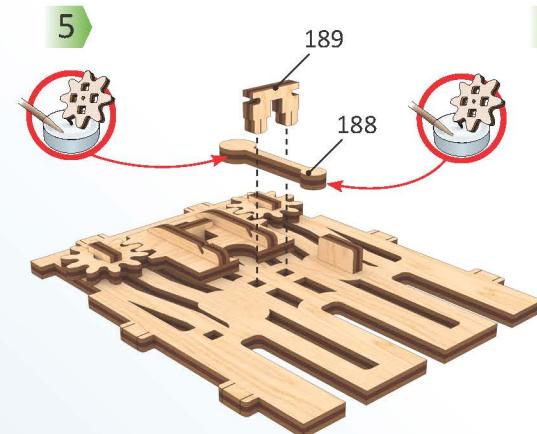
8



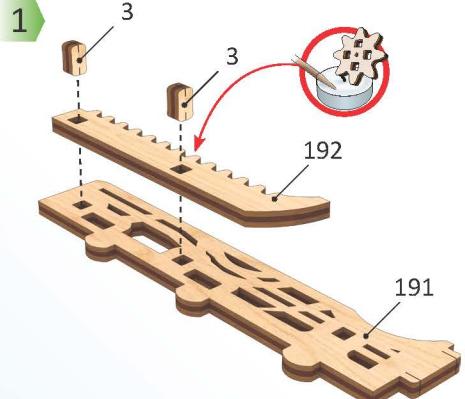
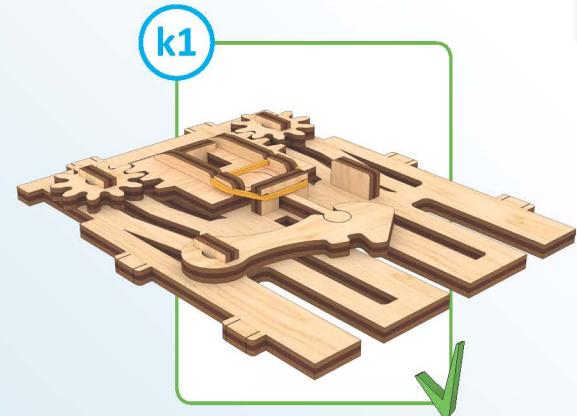
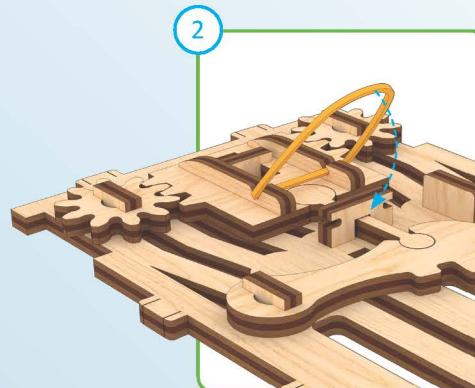
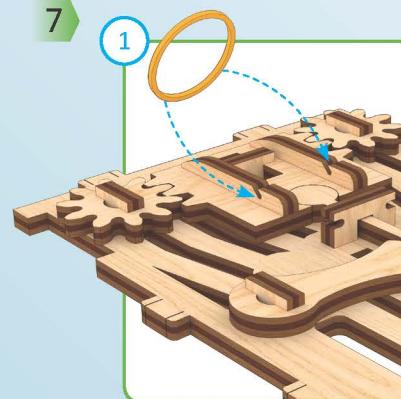
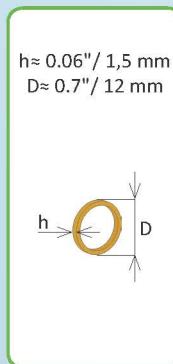
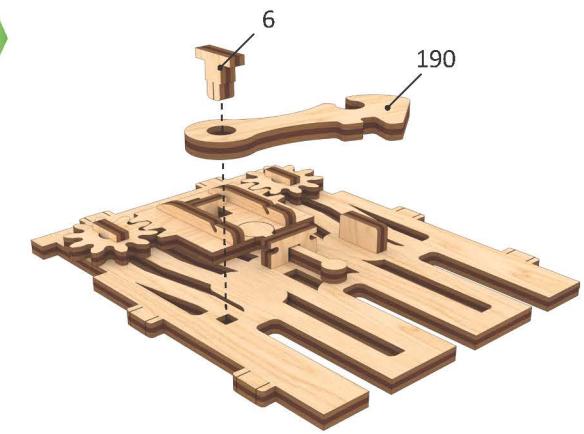
4

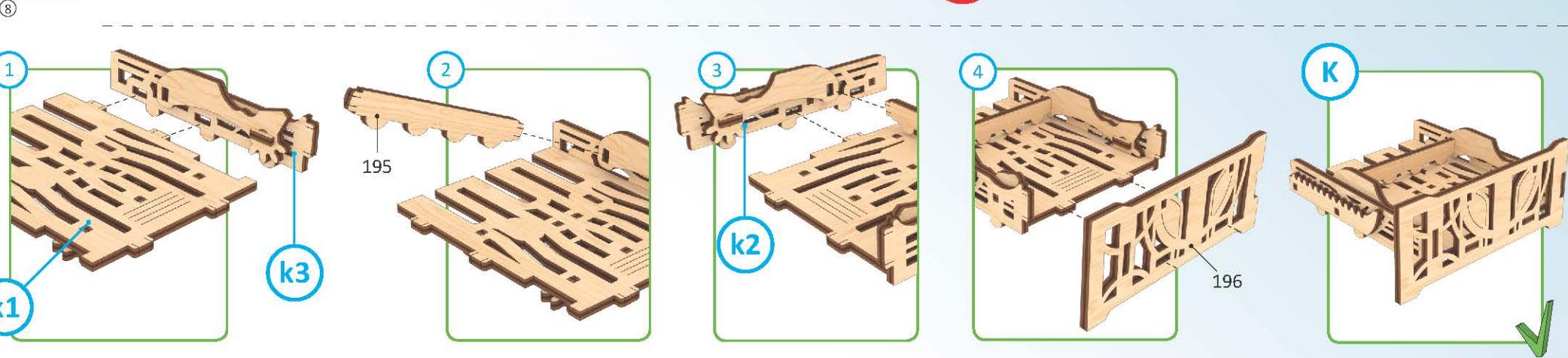
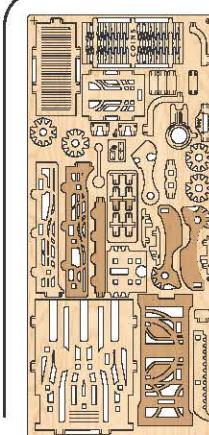


5

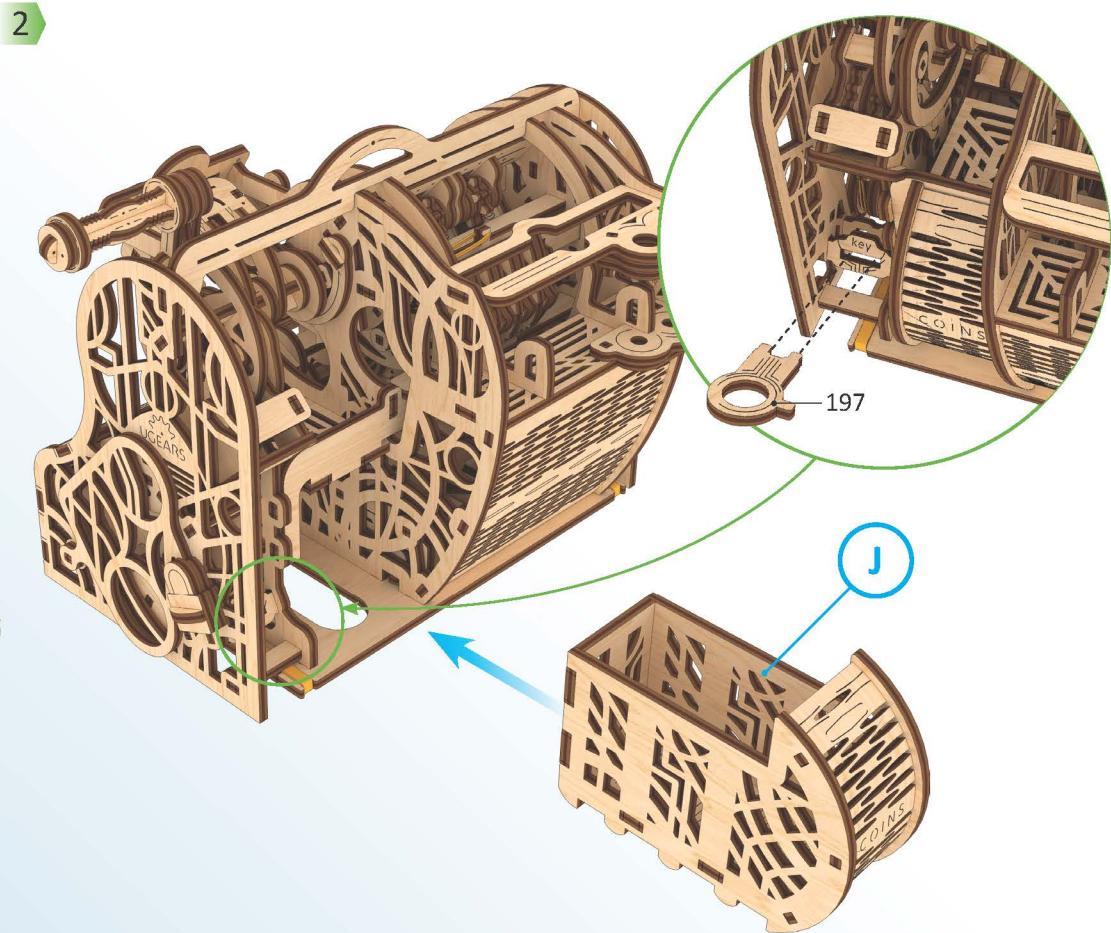
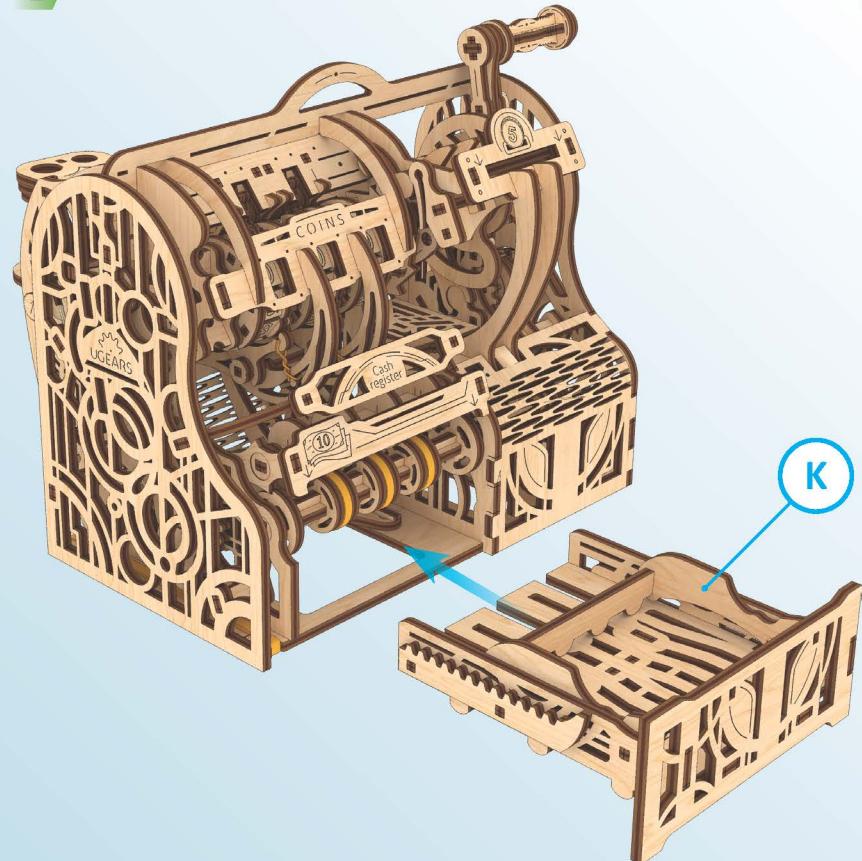
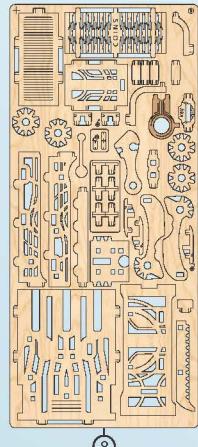


6

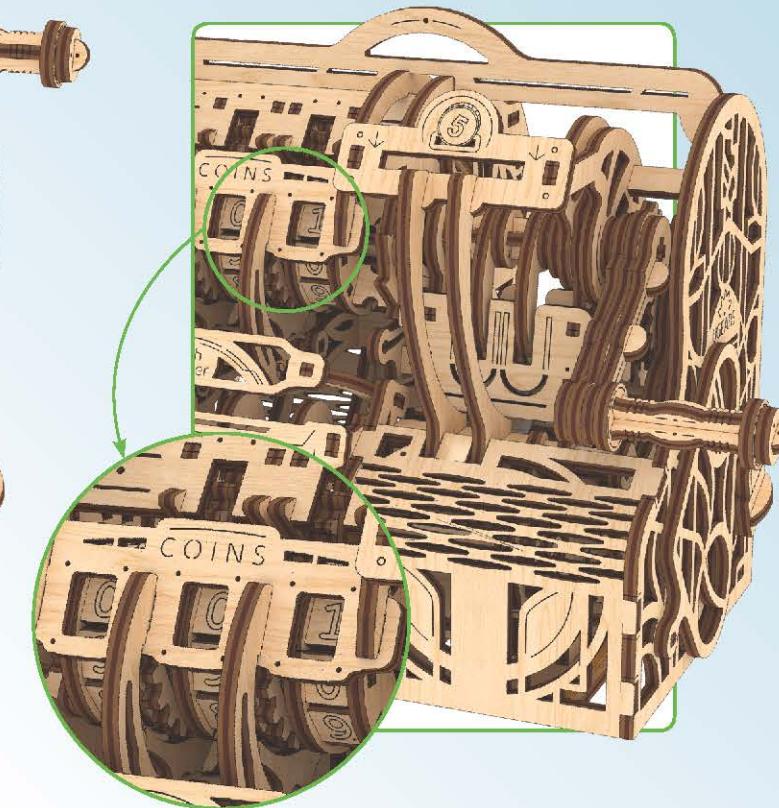
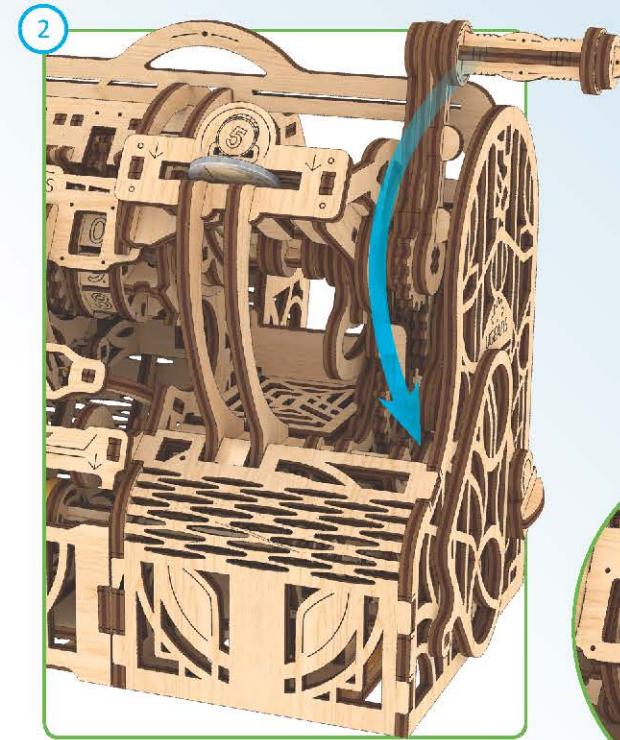
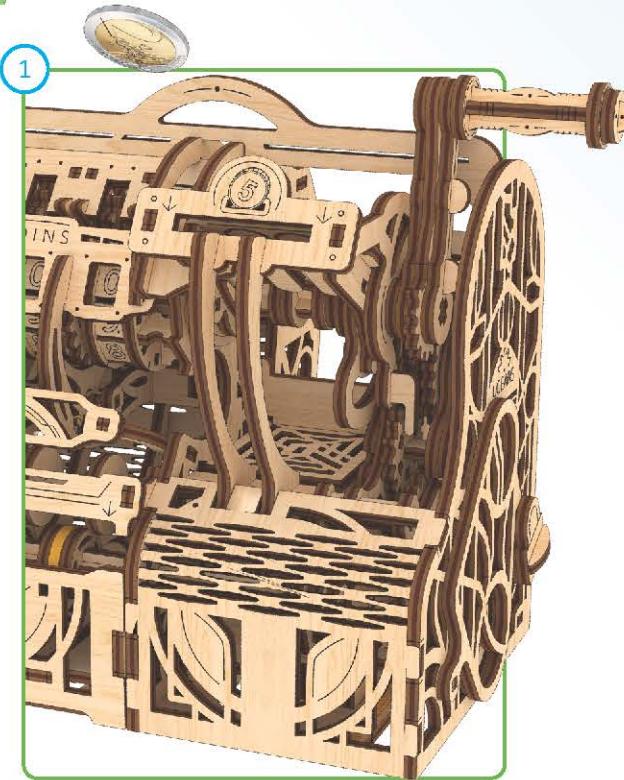




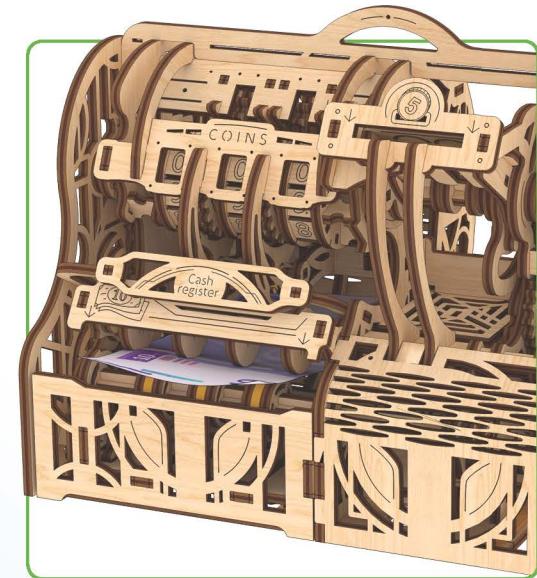
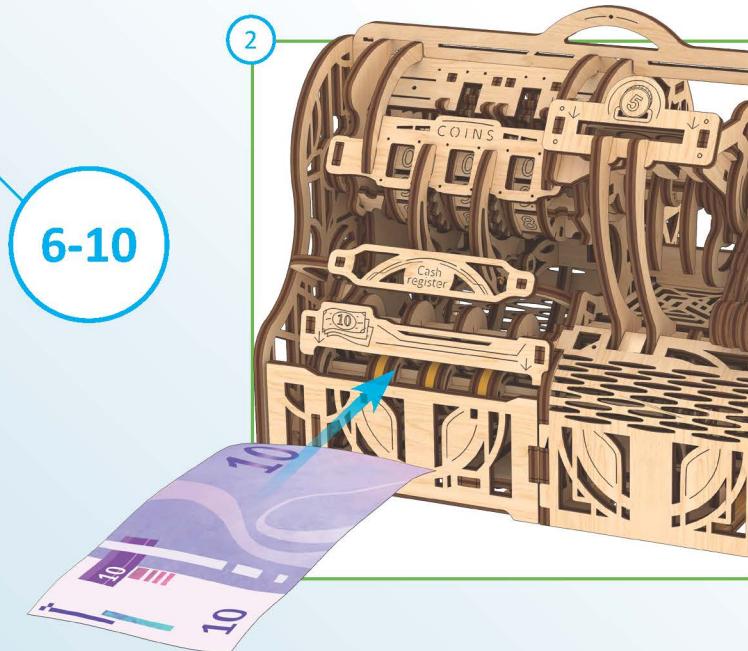
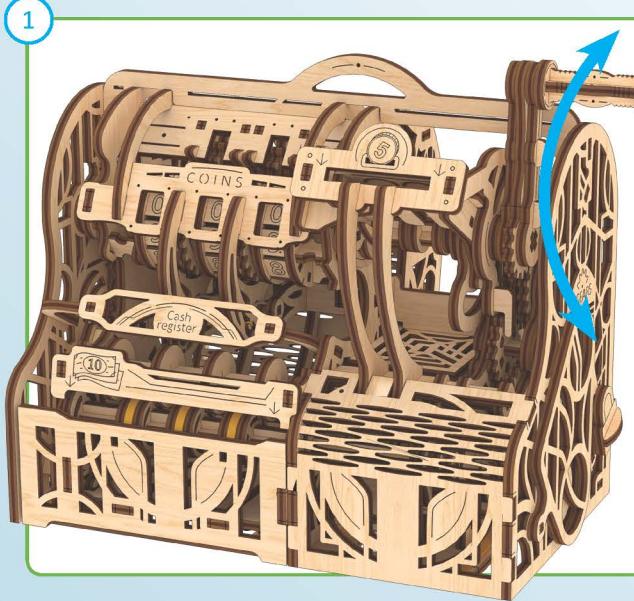
Mechanical models



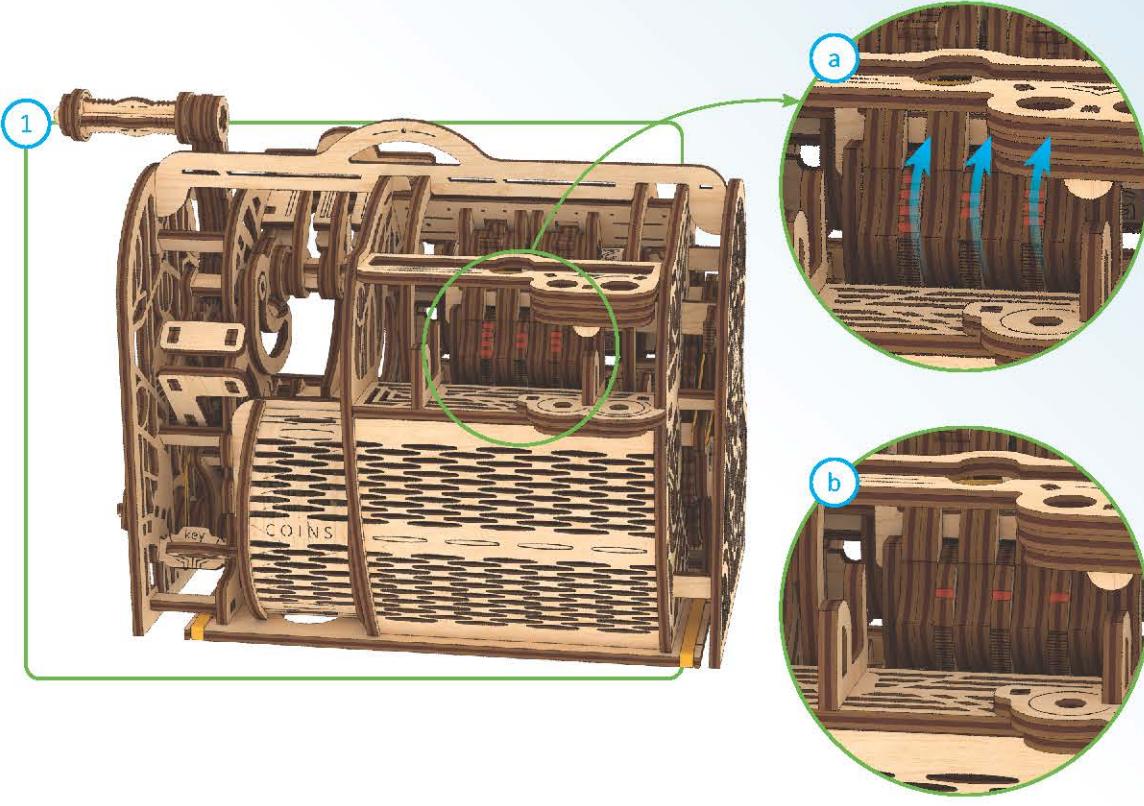
1



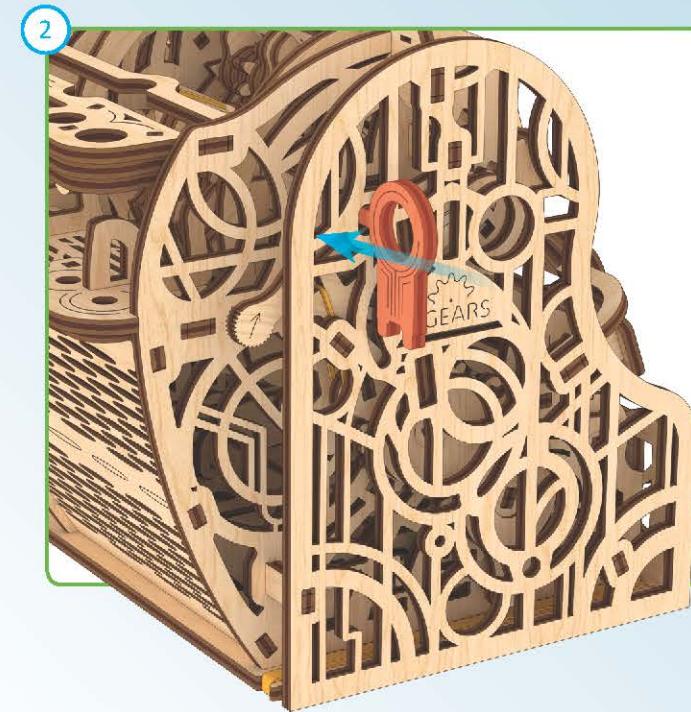
2



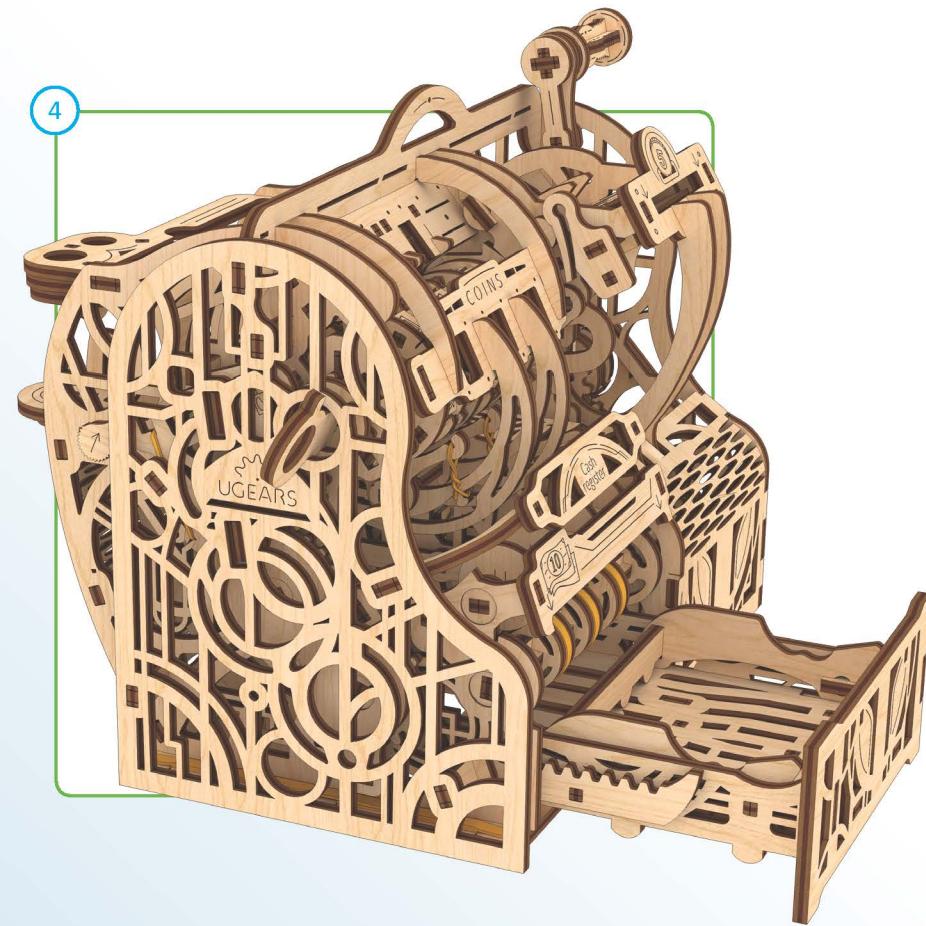
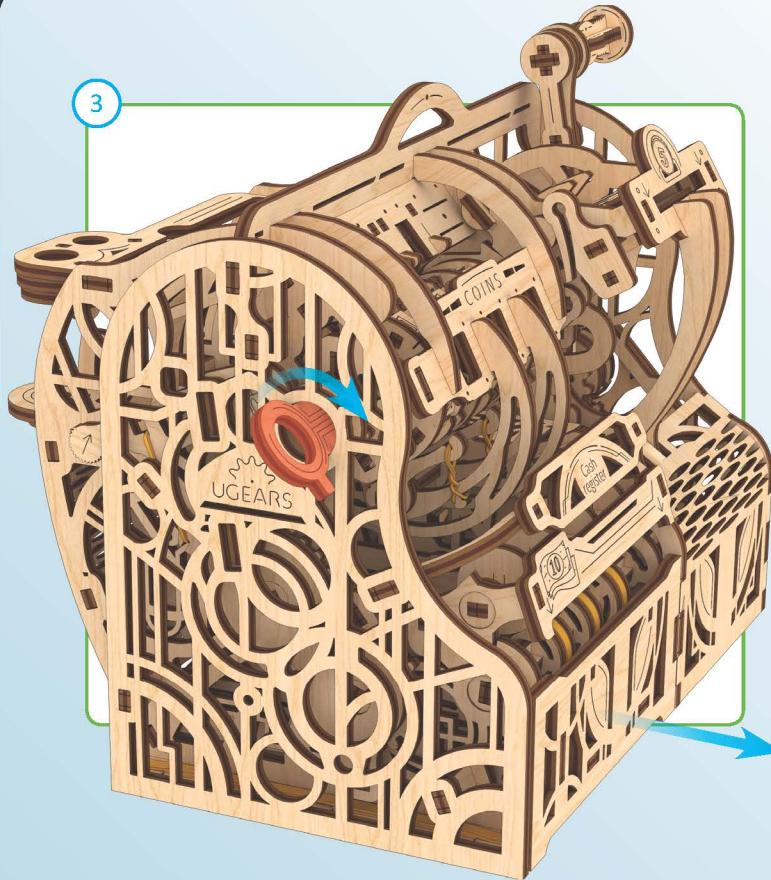
3

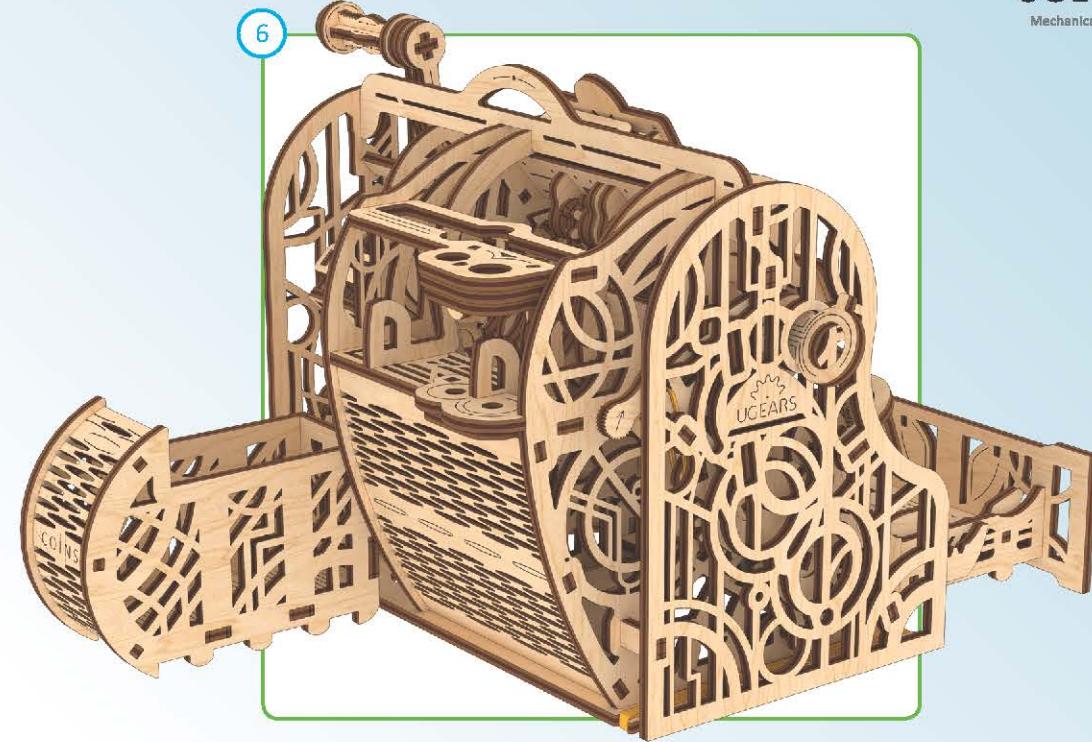
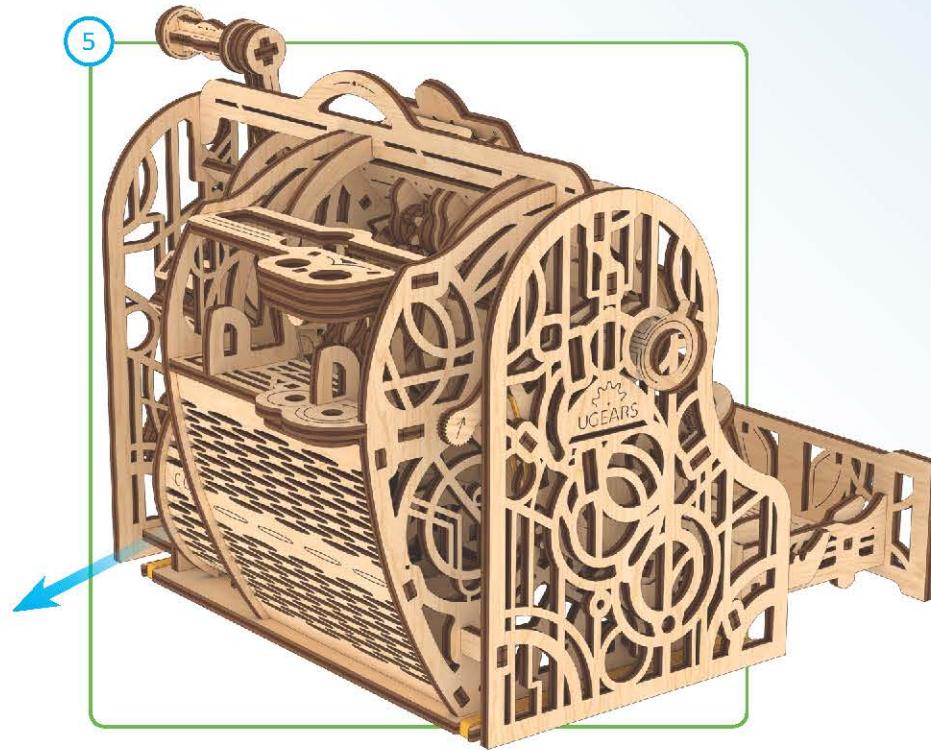


Code \*

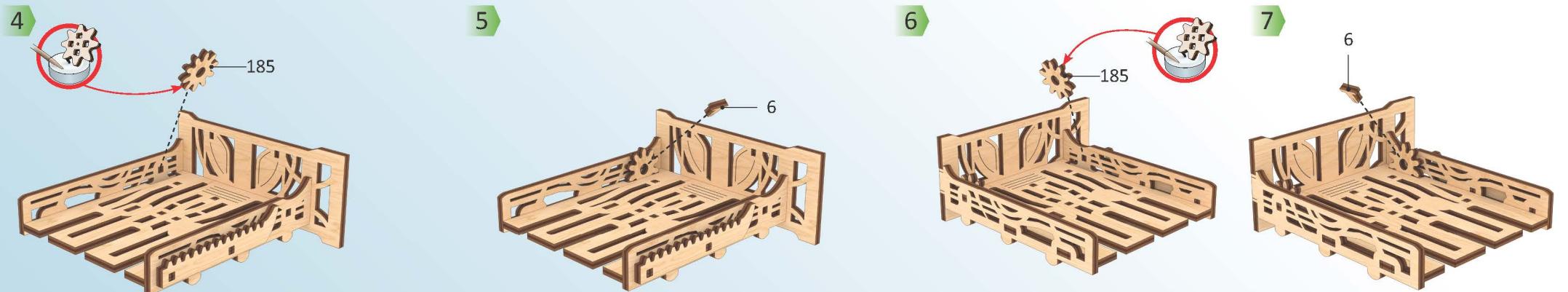
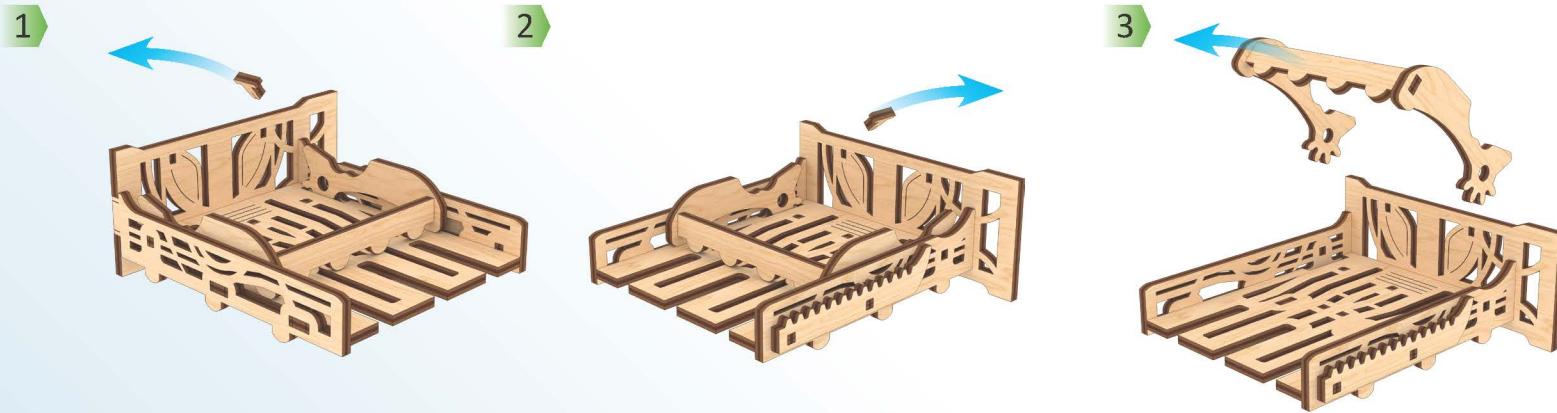
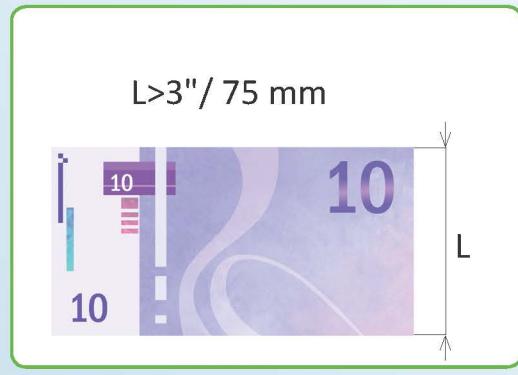


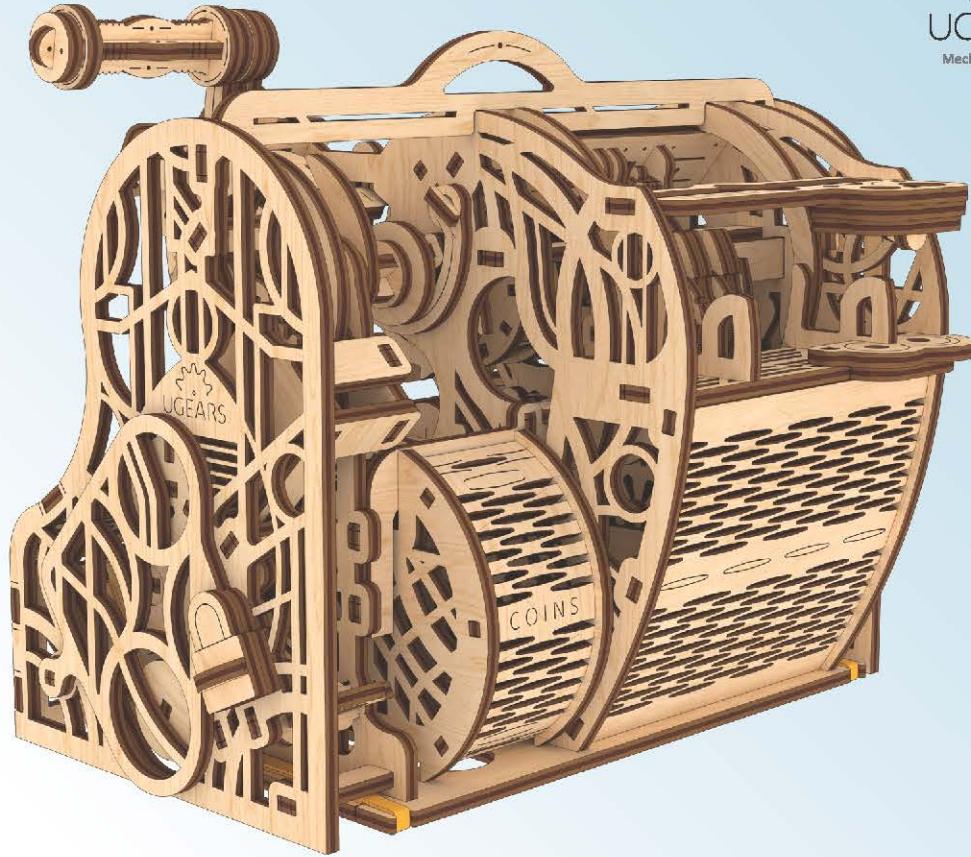
Mechanical models





Mechanical models







**ENG** Thanks for following along on this journey with us.

**UKR** Дякуємо, що ви пройшли цей шлях з нами.

**DEU** Vielen Dank, dass Sie diesen Weg mit uns gegangen sind.

**FRA** Merci de nous avoir accompagnés tout au long de ces étapes.

**POL** Dziękujemy, że razem z nami pokonałeś tę drogę!

**SPA** Gracias por haber recorrido el camino con nosotros.

**ITA** Grazie per aver fatto questo percorso con noi.

**RUS** Спасибо, что вы прошли этот путь с нами.

**JAP** UGEARSをご利用いただきありがとうございます

**KOR** UGEARS 와 함께해 주셔서 감사합니다.

**CHI** 感谢您参与有趣的模型配装过程。

[ugearsmodels.com](http://ugearsmodels.com)

**ENG** Customer support **UKR** Служба підтримки

**DEU** Kundendienst **FRA** Service client

**POL** Wsparcie klienta **SPA** Servicio al cliente

**ITA** Servizio di supporto **RUS** Служба поддержки

**JAP** お客様窓口 **KOR** 고객지원 **CHI** 客户支持

[customerservice@ugearsmodels.com](mailto:customerservice@ugearsmodels.com)