



**Slimbox**

Perfectly fitted packaging

# Do you...

1. want to cut costs?
2. care about the environment?
3. need happier customers?



# But do you also...

1. buy many shipping-boxes with different sizes?
2. fill these with lots of wasteful filler materials?
3. receive complaints about it from your customers?



# Time for action!

You can solve all of it. At once.



# Make boxes!

## Cardboard sheets

No need to buy boxes anymore, just cut them out of inexpensive sheets.

## Fitting boxes

Make your boxes fit the products. Not the other way around.

## Less broken goods

Fitting boxes are protecting your products in a better way. See, another cost cutter.

## Decimate waste

Stop overflowing trash bins with plastic and cardboard. Have happier customers.

## Cut shipping costs

It's simple: smaller boxes means less shipping costs. A lot less! Hence even happier customers.

## Forget fillers

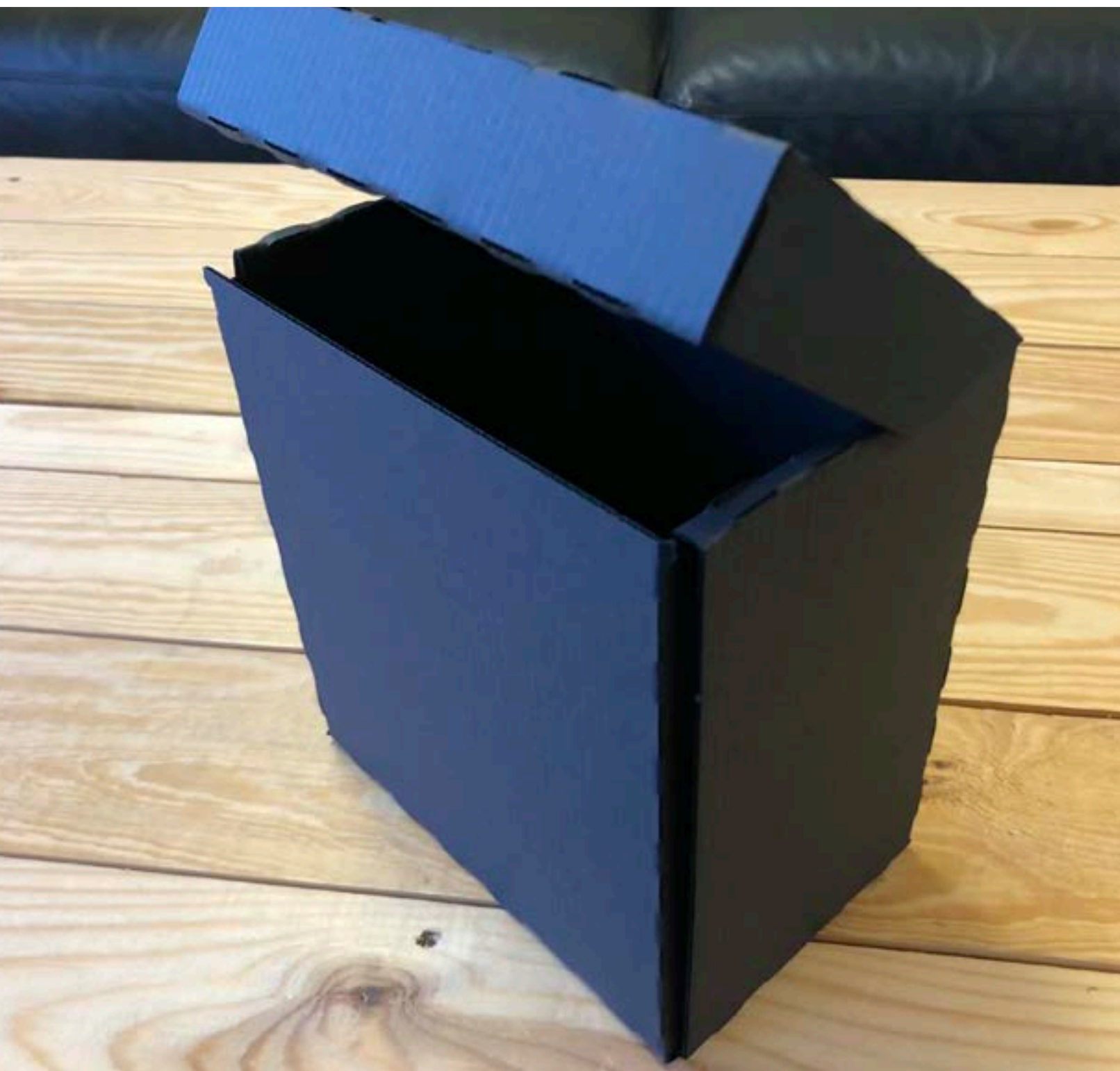
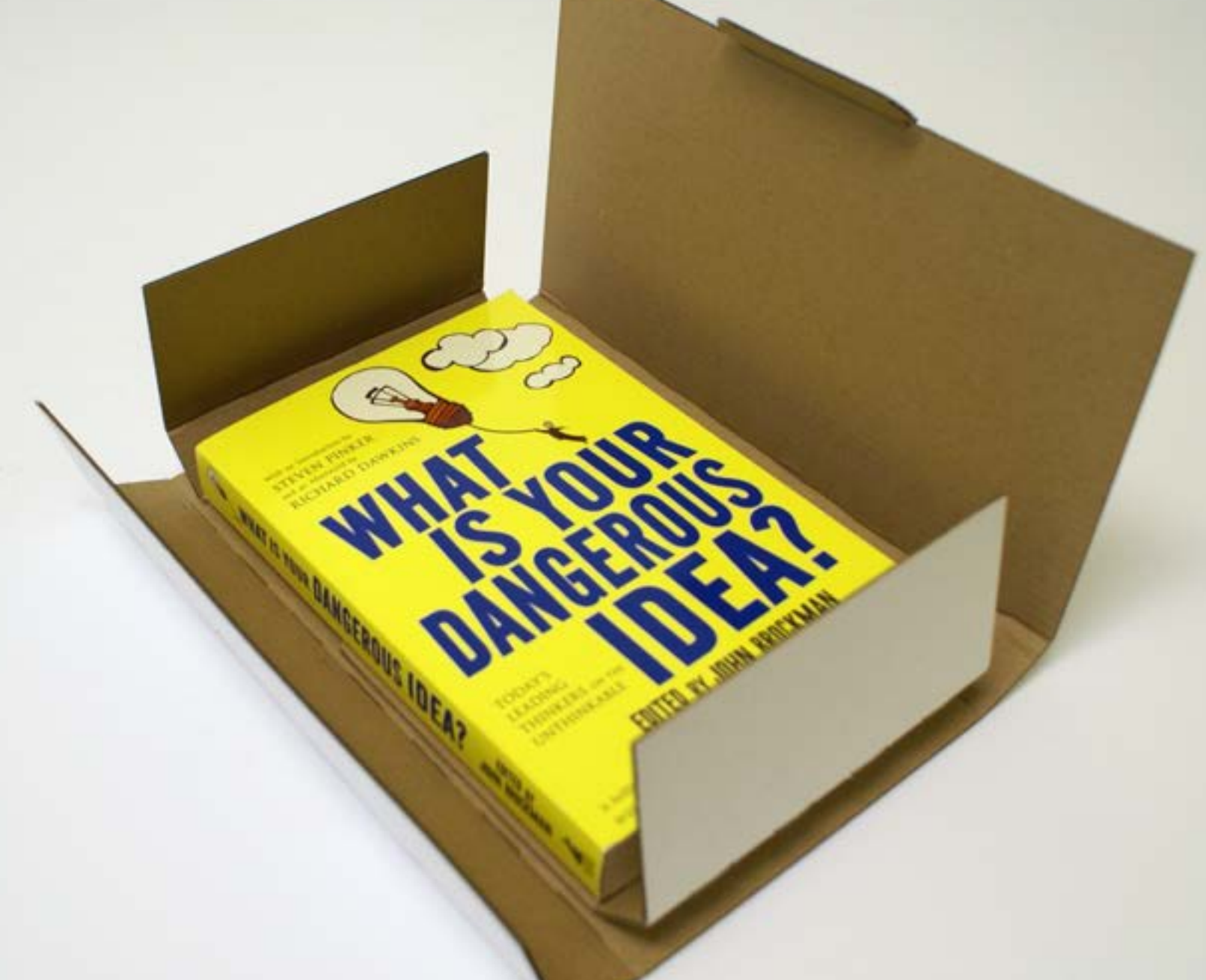
When the boxes fit the products, no filling material is needed. And for breakable ones you can make inlays.



# Meet Slimbox

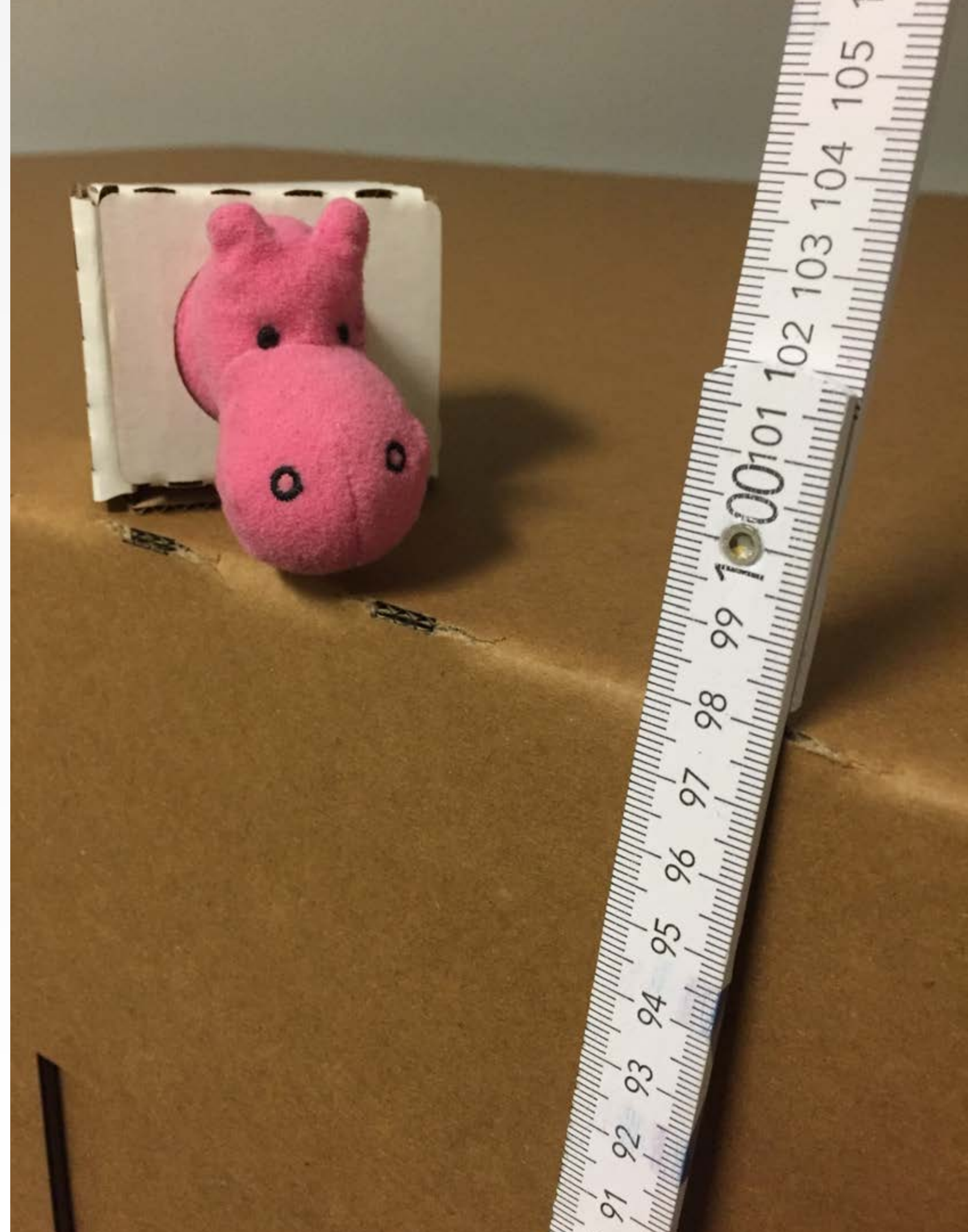
A **compact** and **all-in-one** solution which cuts **boxes** and **inlays** with the **dimensions you need** from flat sheets of cardboard and is **very easy to use**.





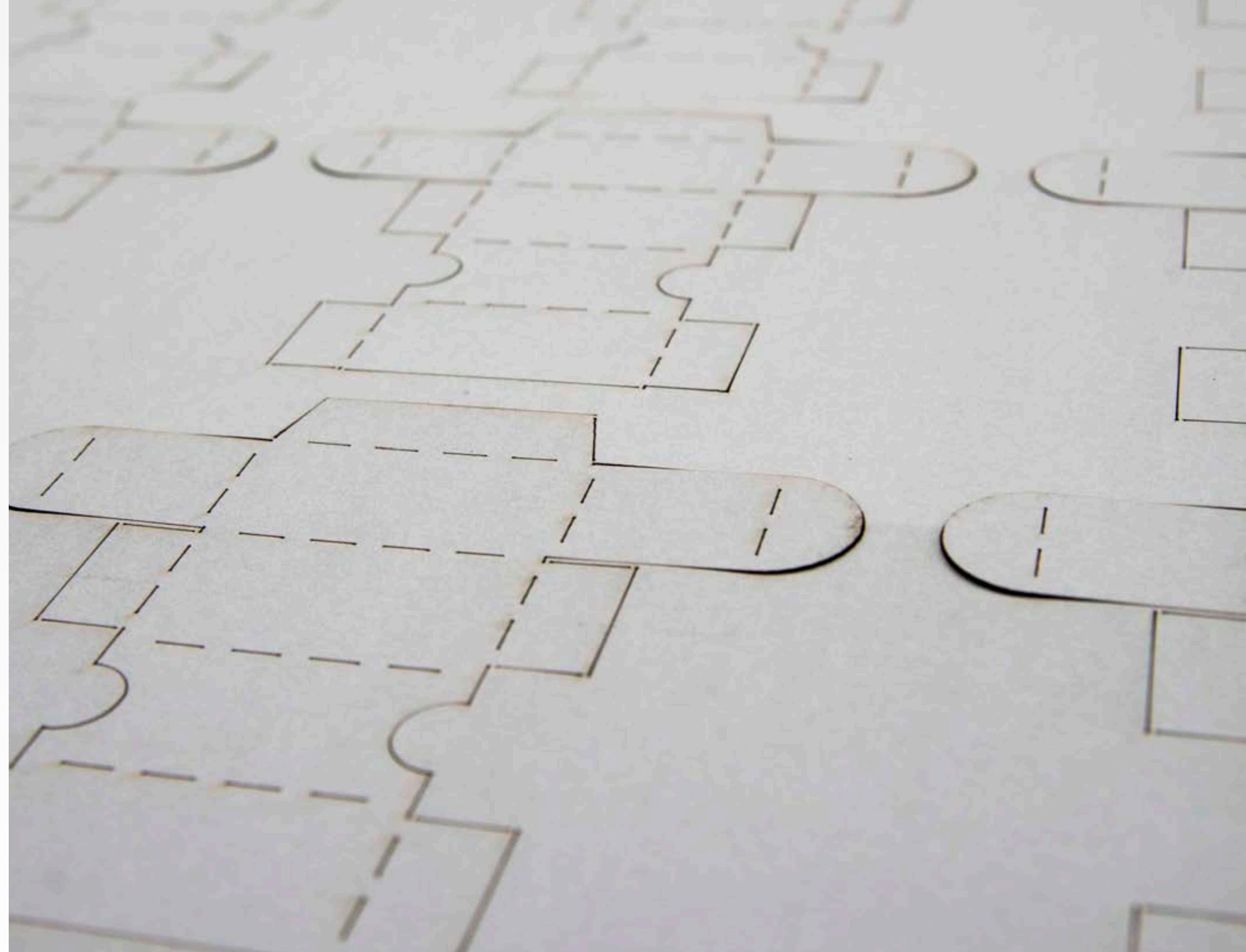
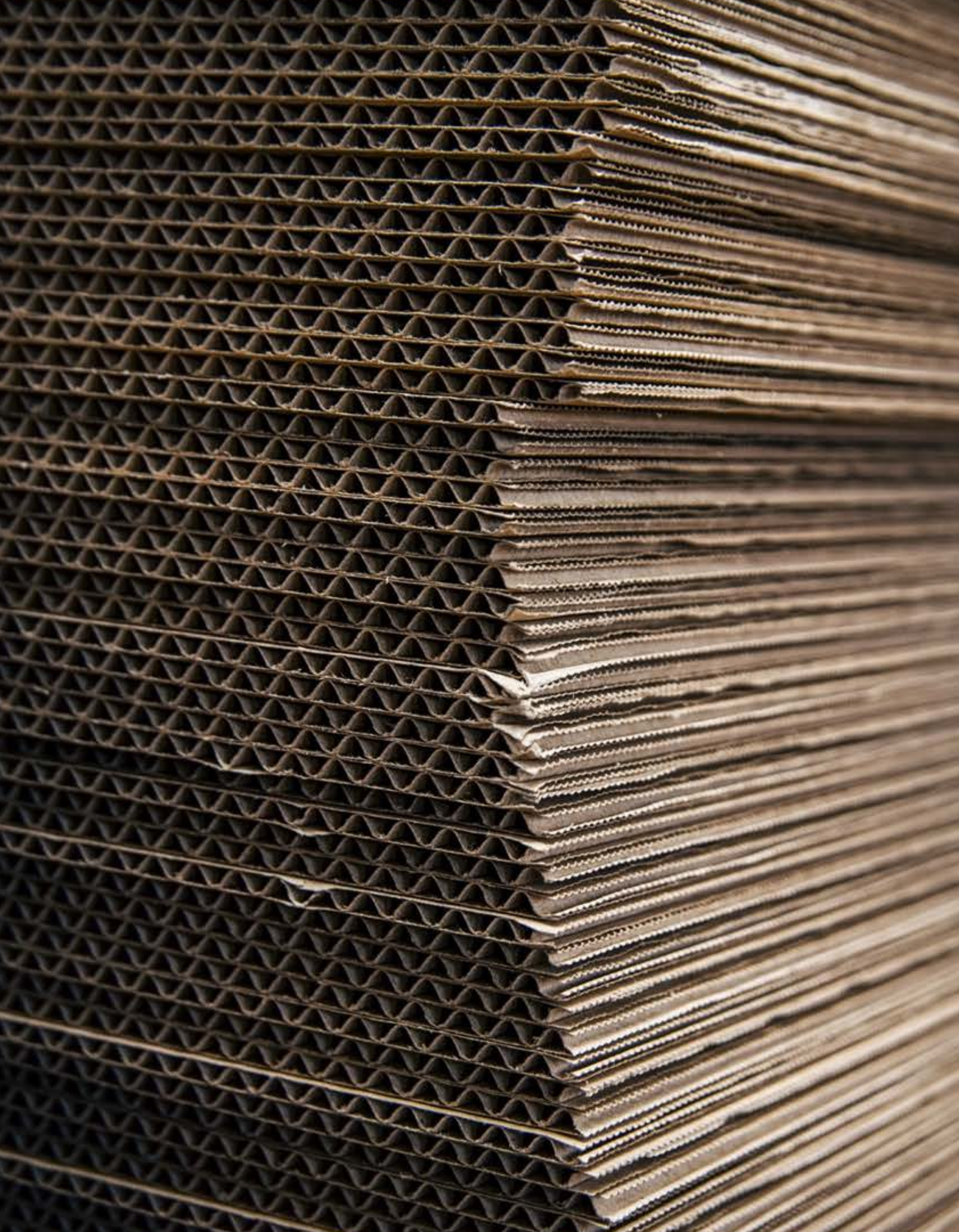
Any model.  
Including inlays.



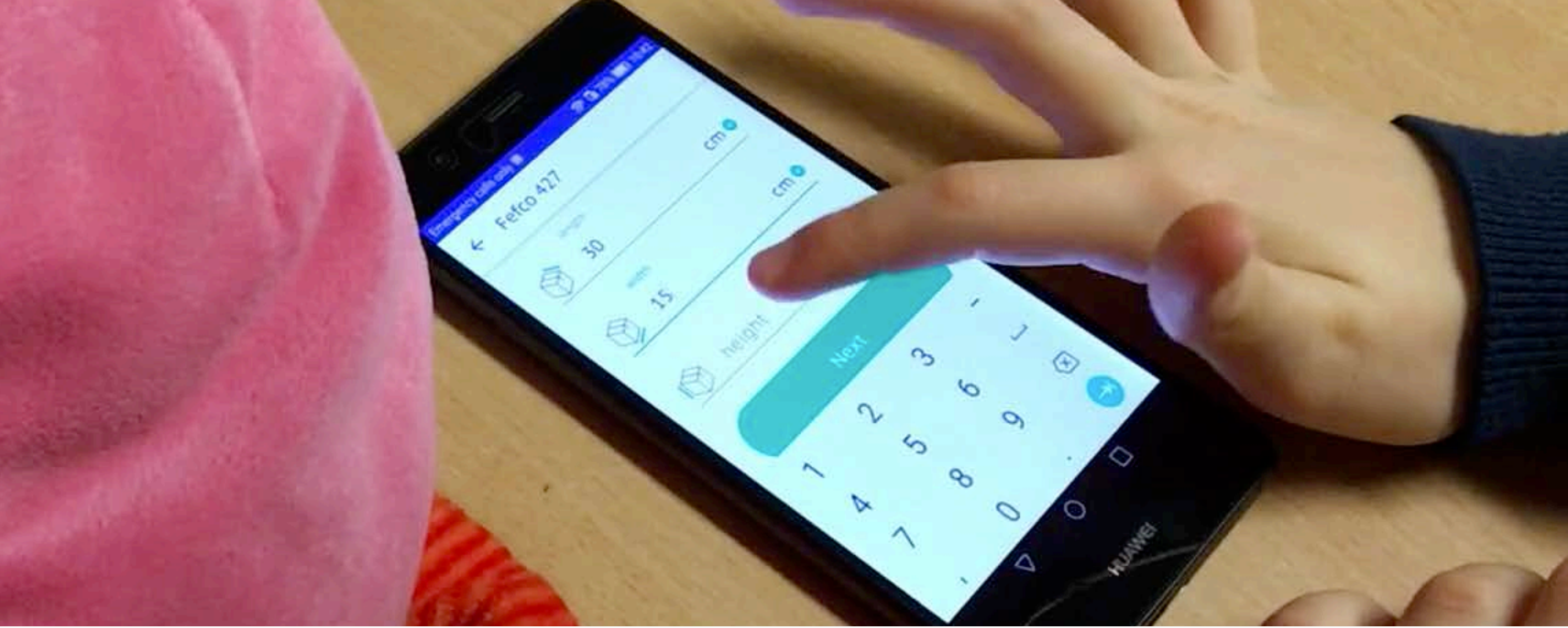


The dimensions are yours.





From simple sheets of cardboard.



Easy as 1-2-3.

Let's get technical

# Controlling

## Speed

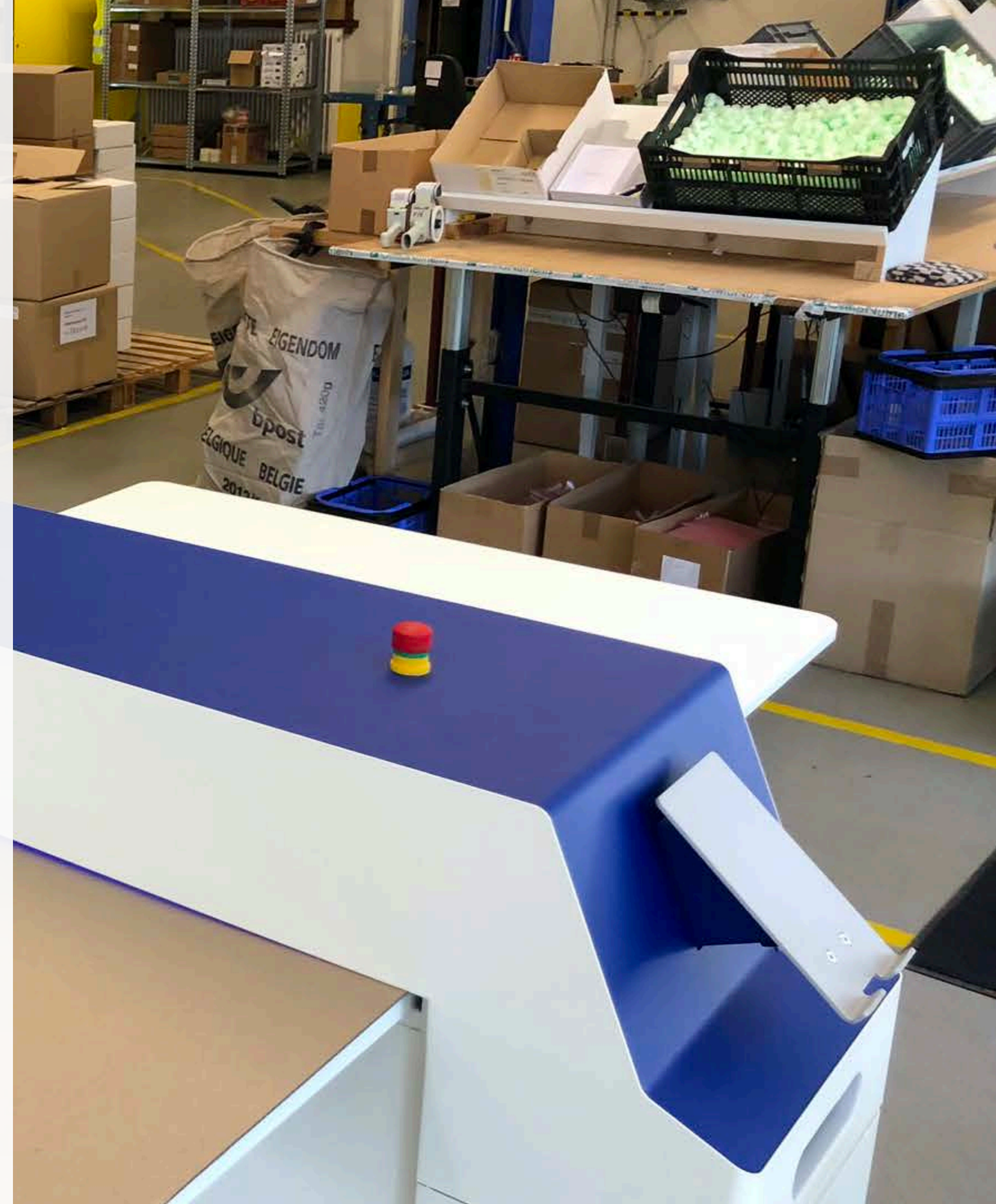
On average the Slimbox produces 1 box per minute. This depends on material thickness and the size and complexity of the box. Nested boxes go faster as it requires less handling.

## Integration

Integration is important. **It removes the speed limits.** This can be achieved by simply working on two parcels simultaneously. But it can also become as complex as automatically cutting the boxes JIT through a connection with the ERP. You decide, we help implement.

## Interfaces

The Slimbox can be operated with an app on a smartphone or tablet. But also through a webbrowser, a 3D scanner or by connecting it to the ERP system using the API.





# Materials

## Types

The Slimbox **only** allows **cardboard** sheets. Both **corrugated** cardboard (e.g. transport boxes) and **folding carton** (e.g. cereal boxes). Rigid cardboard (e.g. shoeboxes) won't work.

## Dimensions

Sheets can be **1 m / 40 in wide** and have no limit in **length**. But it is advised to not go over **2.5 m / 100 in** for practical reasons.

## Walls and faces

The wall in a sheet of corrugated cardboard is the wave-shaped paper, which is also called its flute. When it has a top and a bottom layer, it becomes rigid. It exists in **single**, **double** or even triple **wall**. With only one flat side, it can be rolled and is called **single face**. However possible, this type is not strong and therefore not great for making boxes.

## Thickness and flutes

The thickness can be between **1 mm** and **5 mm (0.04 in and 0.2 in)**. This means **A, B, C, E, F-flute** in **single face** and **single wall** board. As well as **EF** and **EB double wall** board.

# Models

## Standard or personalized

All standard **feeco box models** are available. But **personalized** models are possible too. These are developed by us, together with you. Once created, they are uploaded to the Slimbox and can be used infinitely.

## Matryoshka

Is the box you made not strong enough? No problem, with one click you create a box that fits perfectly around the previous one. Just like those Russian Matryoshkas.

## Nesting and left-overs

When more than one box or inlay is requested, the software will automatically arrange them in the best possible way. This **auto-nesting** optimizes the use of cardboard. But left-overs are inevitable. However, simply give them back to your cardboard supplier. He will recycle them.





# Convenience

## Location

Fits in an office environment, just like a copier. But in production too of course.

## Wheels

On its wheels, it can easily be moved around. And with a simple push, they are blocked.

## Network

The Slimbox works over both **wifi** or a **network cable** (RJ-45). You choose.

## Coming through

When the tables are closed, it is small enough to fit through any regular door.

## Power

Only a **standard power socket** (230V / 110V) is needed to run this baby.

## Illuminate

On the side of the Slimbox, are LEDs, instructing and showing the progress of the cutting.

# ROI & TCO

To calculate the Return On Investment and Total Cost of Ownership, there are many variables to take into consideration:

## Boxes

Sheets of cardboard are always less expensive than boxes. And you only need one or two types.

## Transport

Smaller boxes = less costs. Certainly when Dimensional Weight comes in play.

## Personnel

The inefficiency for ordering and searching the right boxes every time again.

## Filler material

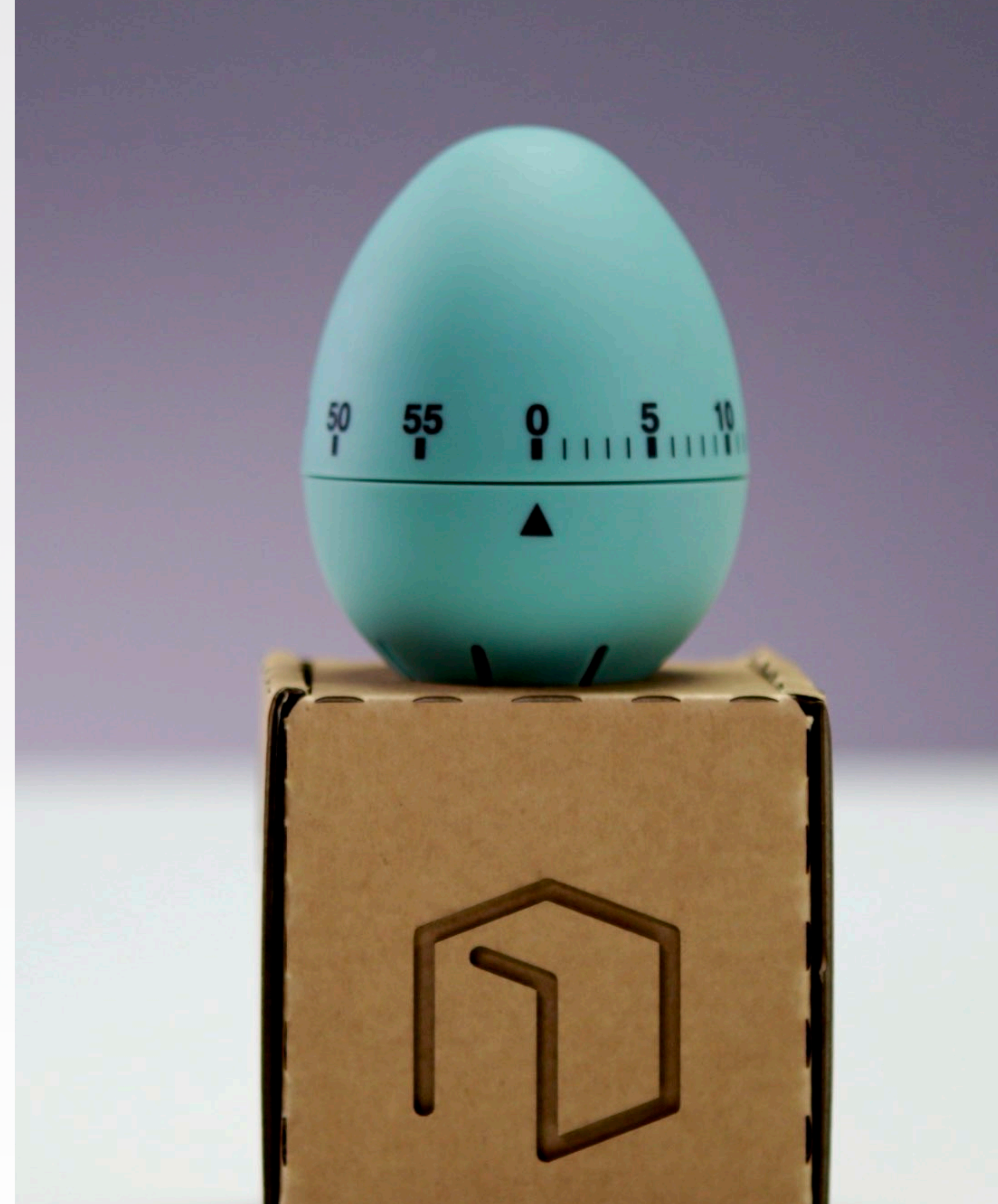
Probably all filler materials can be eliminated. Fragile goods can be protected with an inlay.

## Reverse logistics

Who's paying for broken goods when delivered? Fitting boxes means less broken parcels.

## Maintenance

With a maintenance of once per year on average, the Slimbox has very low maintenance costs.







# Filtering

Slimbox uses a laser to cut and crease. Lasercutting creates smoke and odor. To reduce this, filters are used.

Once a filter is saturated, it needs to be replaced.

## 1. Dust

Also called the pre-filter. It is used to eliminate all the 'big chunks' of dust. This lightweight model needs to be replaced most often.

## 2. HEPA

The second one filters 99.95% of all the left-over particles, making the air cleaner than it was. Every 4-5 dust filter replacements, the HEPA filter is changed too.

## 3. Active carbon

What is left is the odor. To reduce it, an active carbon filter is used. This filter is replaced by a technician, during the maintenance of the Slimbox.

# Maintenance

## Last forever

During the development of the Slimbox, a lot of attention was put into the reduction of friction and moving parts. Because these are the parts that make maintenance necessary.

## Recurrency

All hardware needs maintenance. With a regular and normal use of around hundred boxes per day, count on one annual maintenance service.

## What happens

During maintenance, all three filters are replaced, the quality of cutting and creasing is checked, the Slimbox is cleaned and all technical elements (e.g. motors, sensors, pumps, fans, cooling, moving parts) are examined according to an extensive checklist.



# Want more?



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