

talkin' things

Design | Perform | Manufacture

#rethinkpackaging

About **Talkin' Things**

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| Smart packaging one-stop-shop

| Tags designer, manufacturer
& converter

| Supplier of NFC and RFID,
hardware & software

Talkin' Things is a global provider of end-to-end solutions for smart products and a manufacturer of high quality RFID and NFC tags.

We gain trust of clients by delivering high standards of services and products. Our projects are completed 100% in-house with state-of-the art machines and advanced technical design to make sure that the quality will satisfy our customers.



Our Location

Talkin' Things headquarters, R&D and manufacturing lines are situated in **Poland**.

Location in the **European Union** ensures uninterrupted deliveries worldwide.



We deliver
our solutions to...



- Poland
- USA
- Australia
- UK
- Italy
- Germany
- Finland
- Norway
- Belgium
- Switzerland
- Portugal
- France
- Ireland
- China
- Russia
- Ukraine
- Turkmenistan
- Georgia
- Kazakhstan
- South Africa
- Singapore



+20 more

Ask for Letters of Reference

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Talkin' Things FAB

Located in Warsaw, Poland, EU



Bonding line:

- superior performance with up to **24,000 UPH**
- cost-effectiveness improved by **50%**
- **99.7%** output yield - no compromise on quality
- up to **12** tags across the web

Converting line:

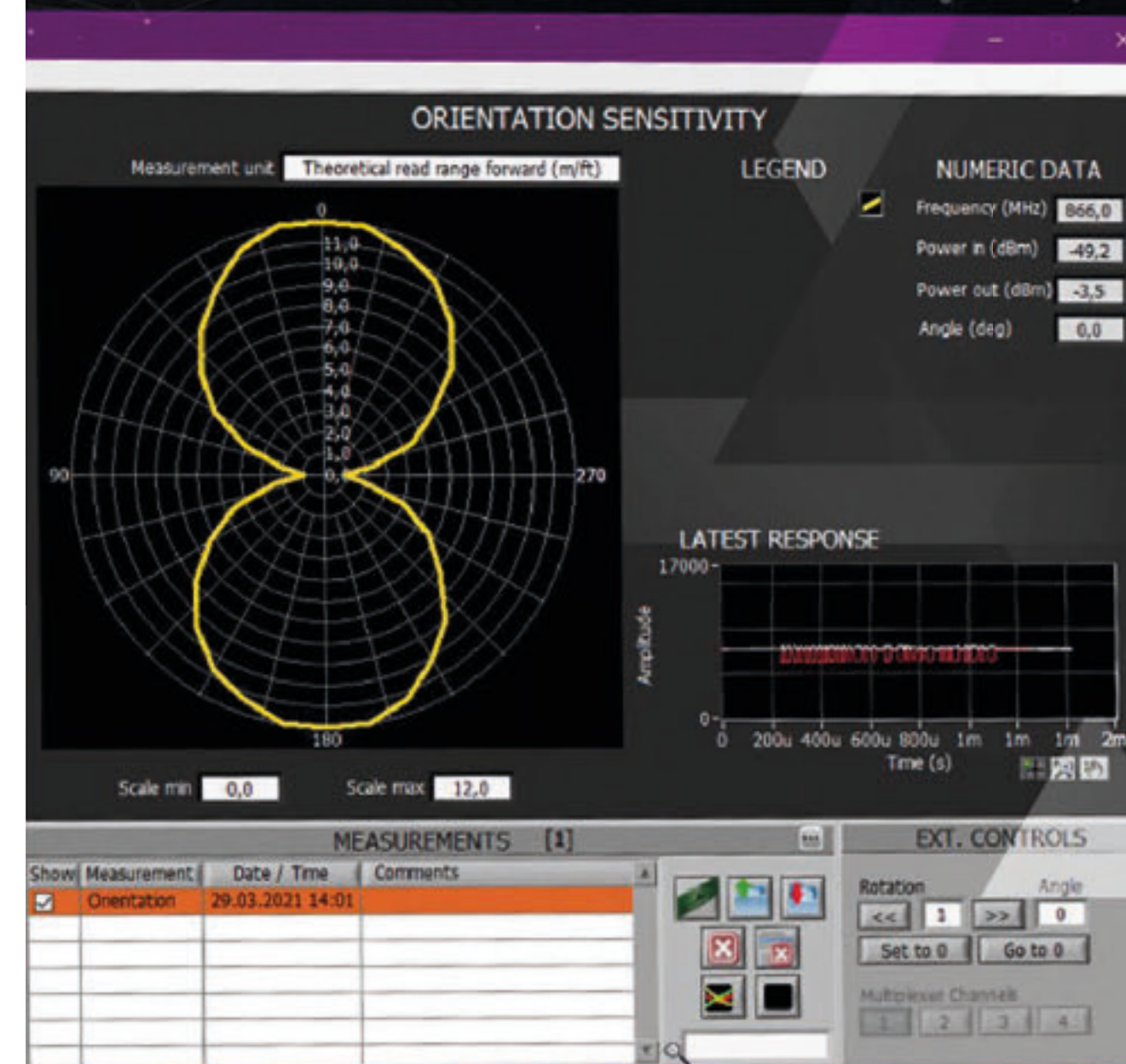
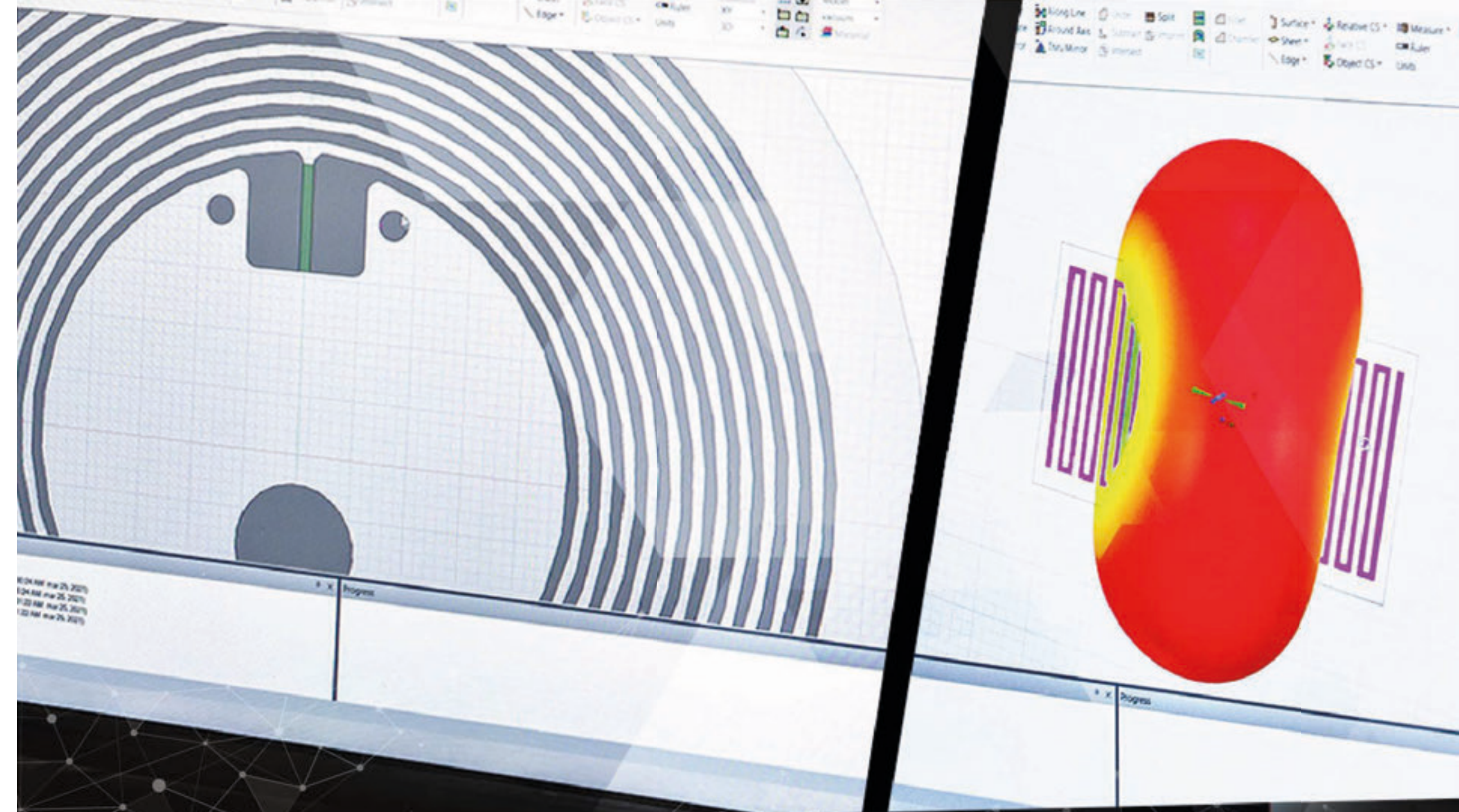
- **up to 4** individual transponder reels in parallel
- an output of up to **40,000** smart labels per hour
- defective transponders are being detected and replaced
- online encoding capability

ANNUAL CAPACITY UP TO **160M** TAGS

Increase of the capacity to **1.5B** in 2021

Talkin' Things R&D Lab

Talkin' Things R&D Lab located in Rzeszów, Poland is led by the team of engineers highly specialized in RFID technology and cooperating closely with Rzeszów University of Technology.



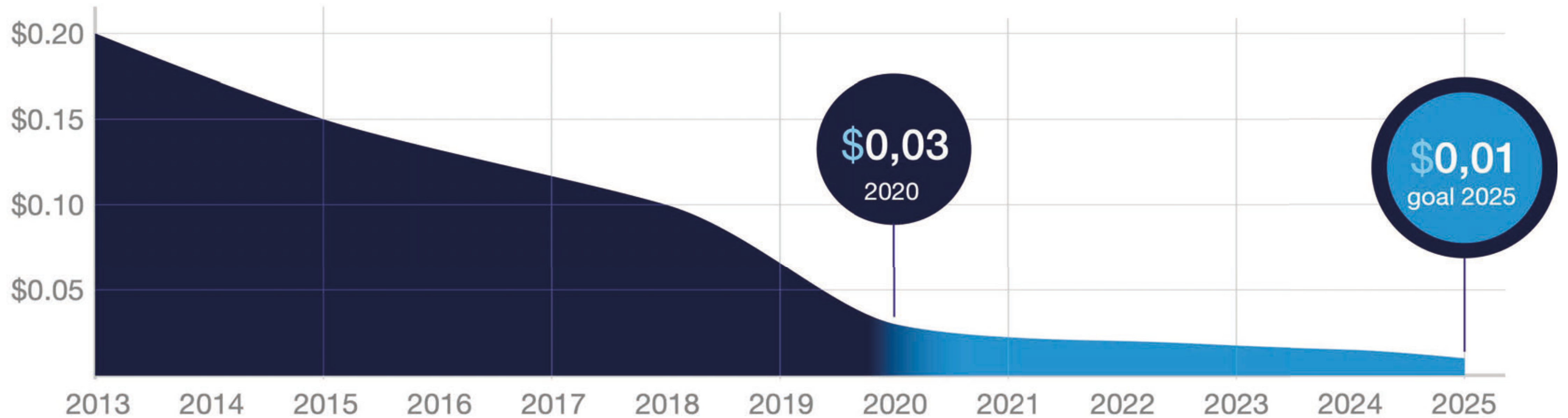
DESIGN
PROTOTYPING
TESTING

RFID & NFC
tag price revolution

RFID revolution

in 2020 Talkin' Things has introduced RFID tags with 40% reduced cost

RFID tag
unit price



Source: Talkin' Things own study

RFID revolution

Talkin' Things strive to bring smart packaging benefits available for every product.

With our revolutionary offer of **\$0.03** NFC and RFID tags we have made this technology available for billions of food, apparel, FMCG and pharmaceutical products.



Join the RFID revolution
rfid.talkinthings.com/rfid-revolution

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How we made this possible

- | All processes made in-house
- | Single manufacturing location for all processes
- | Process optimization
 - modern high capacity production center
- | Strong partnerships with IC manufacturers.



No compromise on quality

Quality control at every stage of production.

Tag response verification after each process.

High yield production.



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Industry Standards

All our products comply with worldwide industry standards.

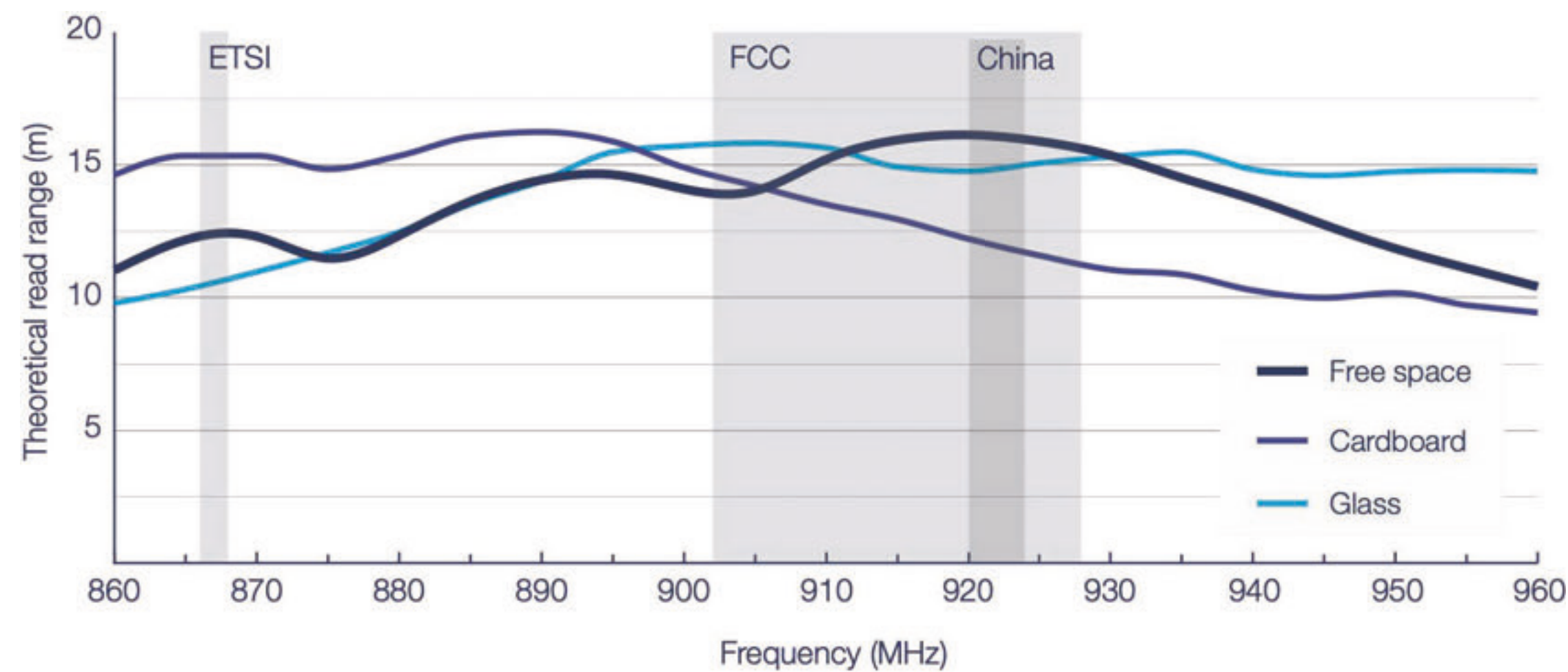


Performance

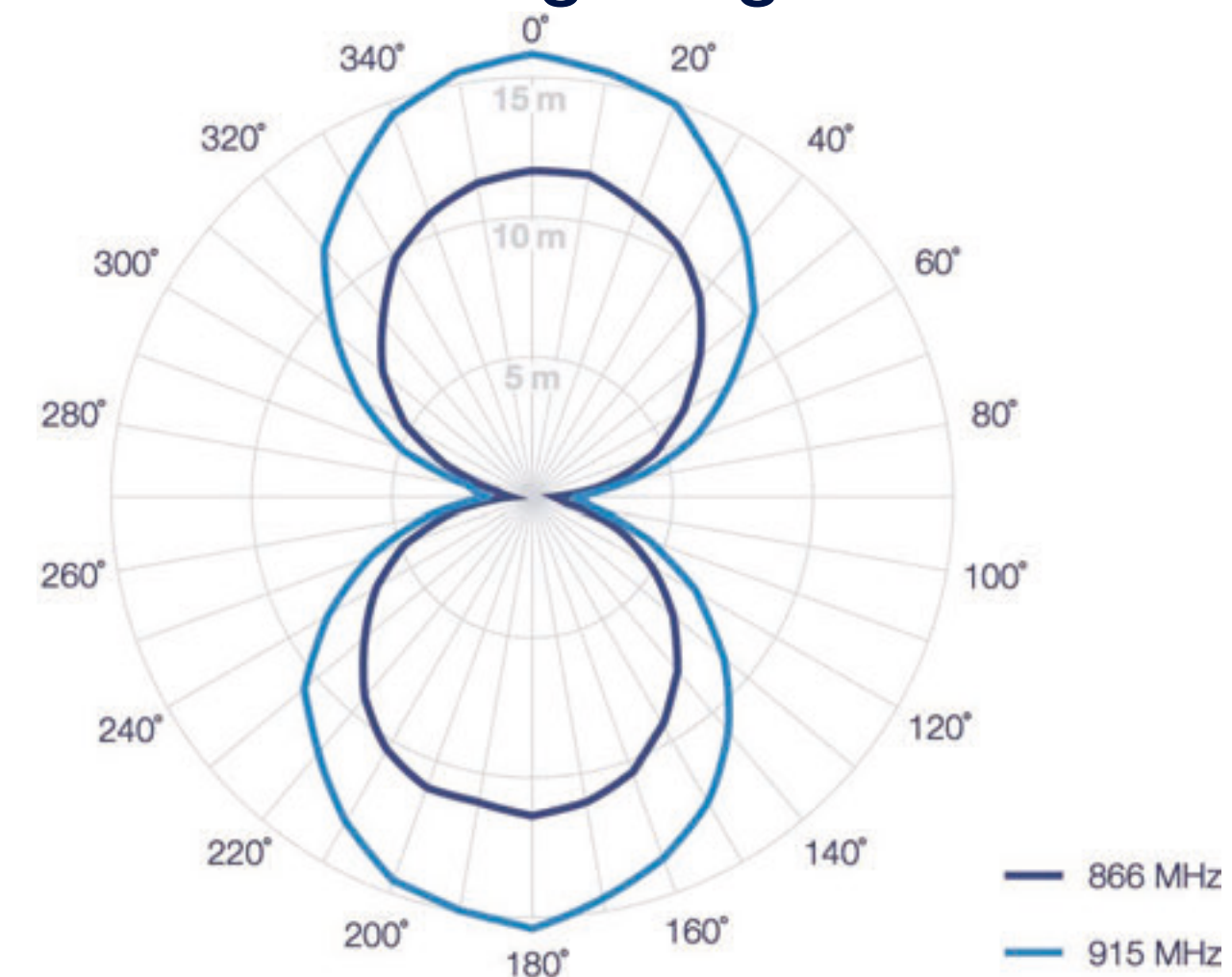
We carefully design tags to specifically meet the requirements of our clients.

Tags performance optimized for their target working conditions - product and its packaging materials, reading conditions, distances.

TT-701 read range forward



TT-701 read range angular



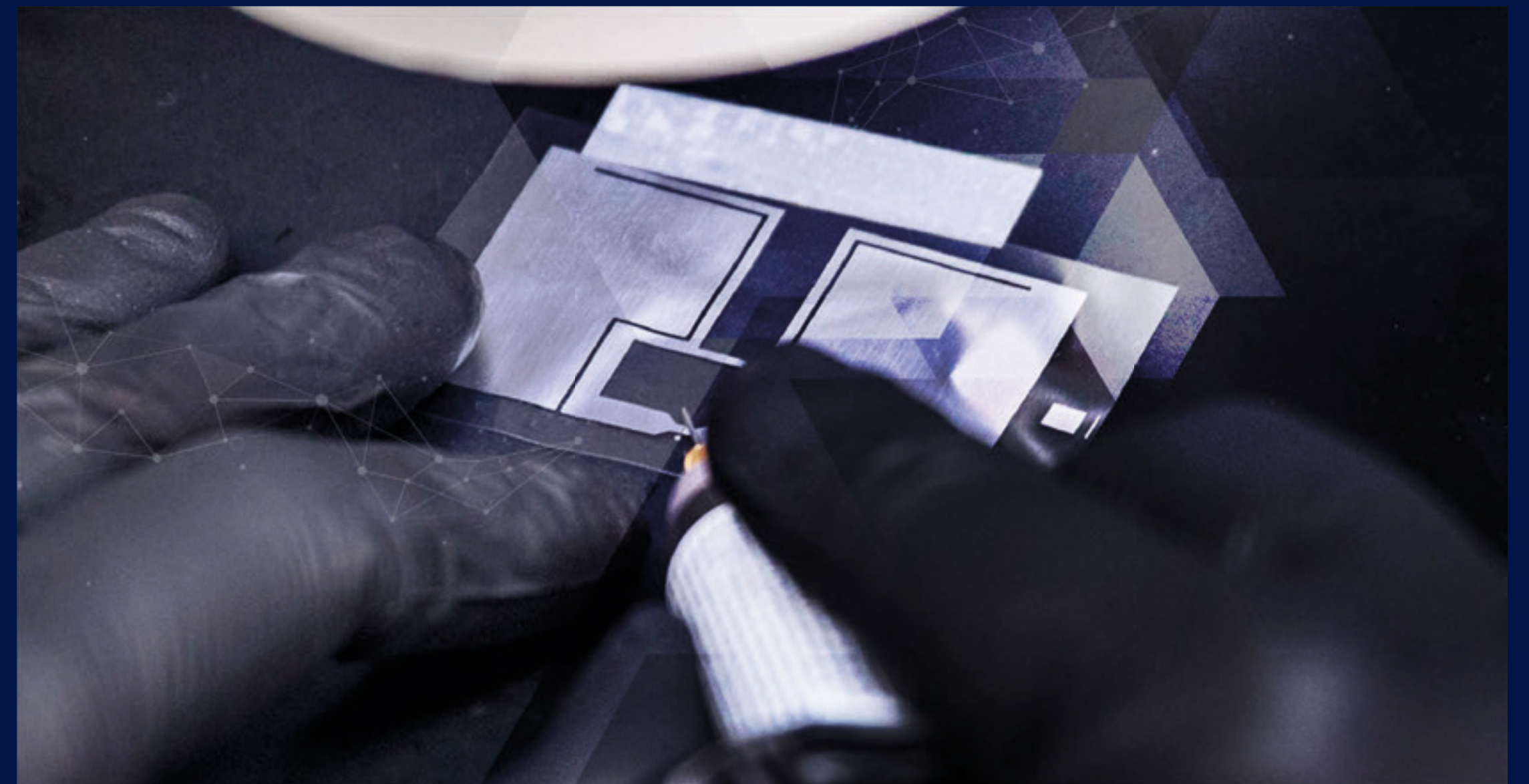
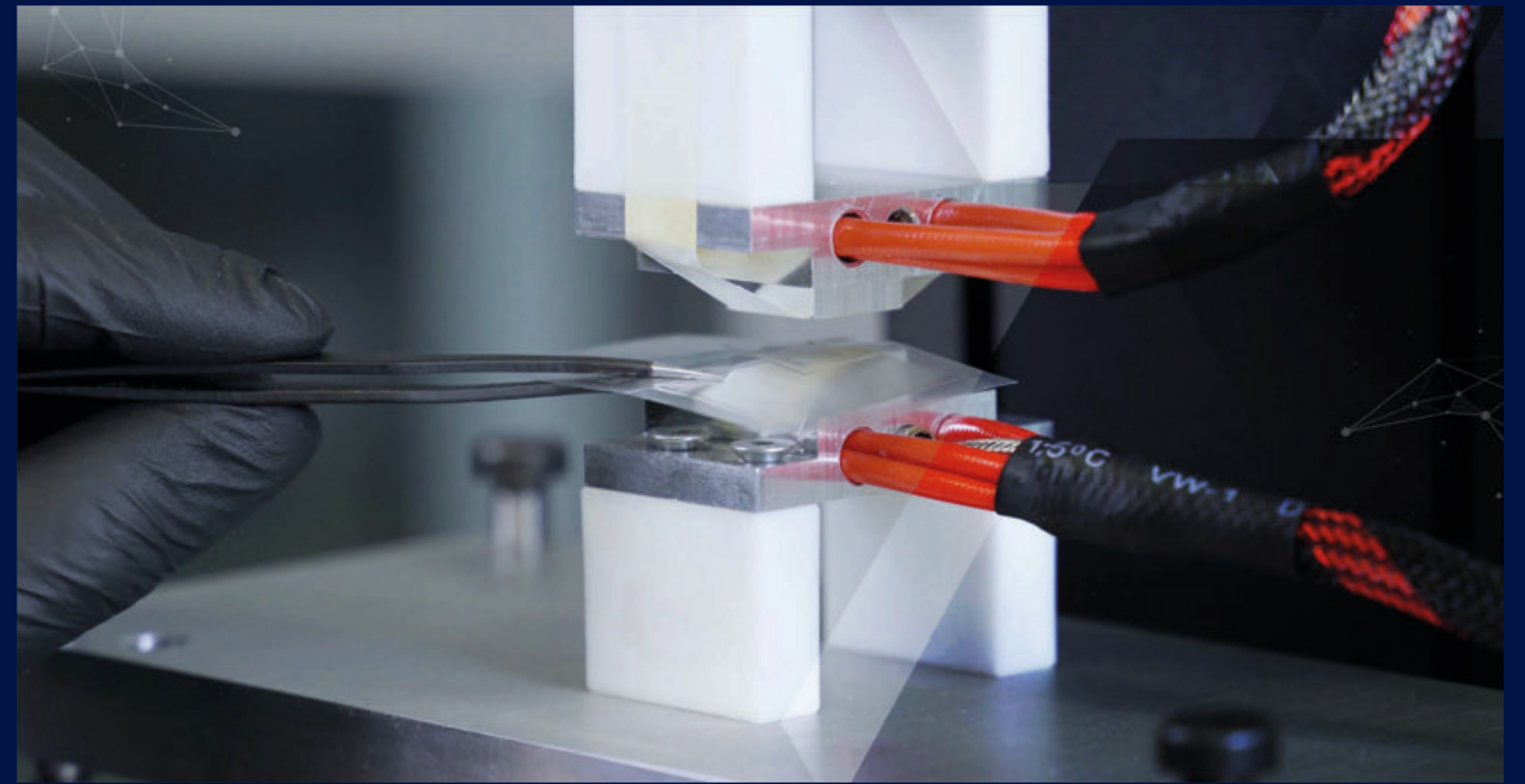
Production grade prototyping

- Production grade samples to simulate the real tag parameters at very early stage.
- Due to the entirely in house process we can test the design's parameters in no time
- We quickly respond in case any adjustments are required to refine the product before hitting the production line.

From
idea

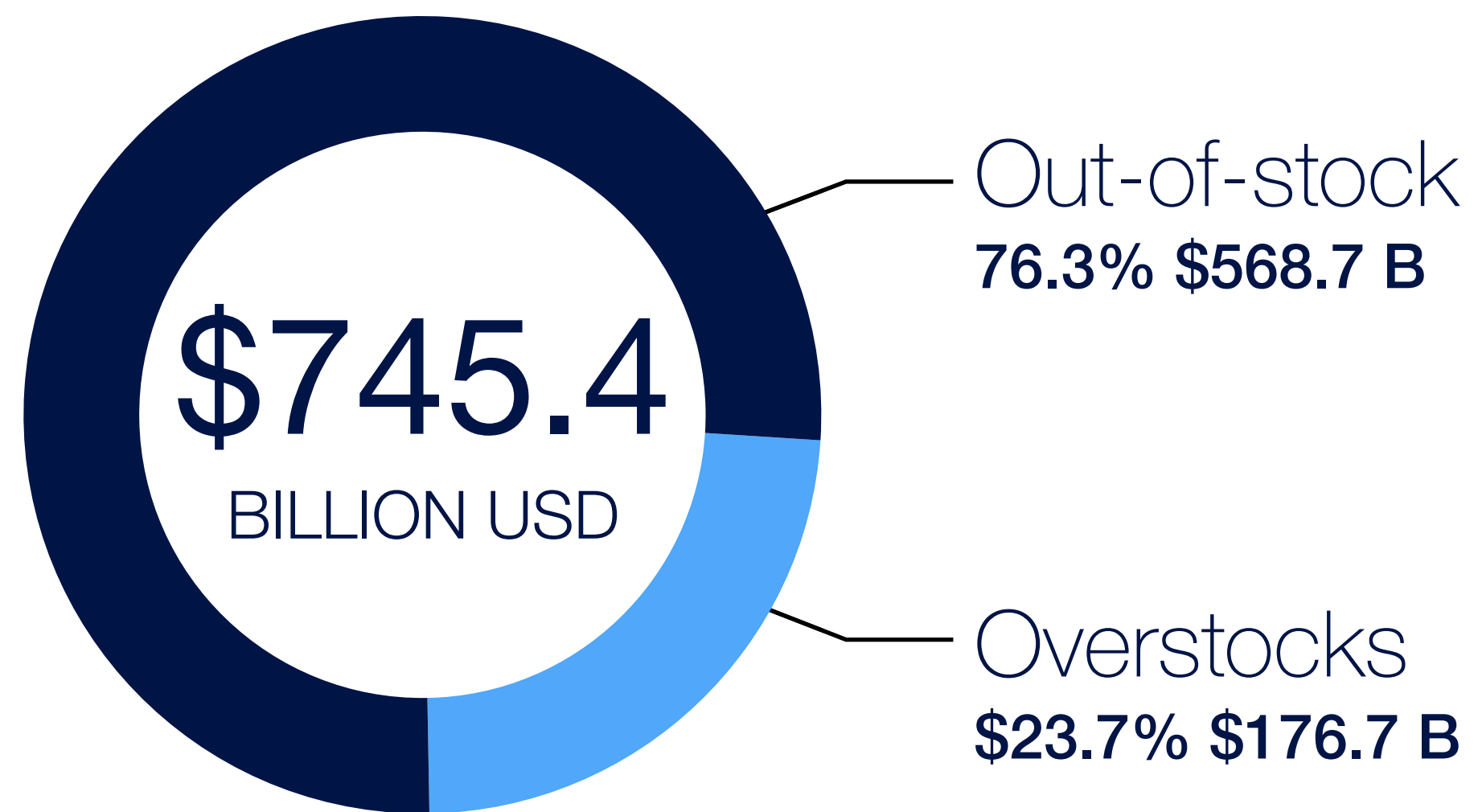


to tag ready
for testing



Why RFID?

Inventory distortions in retail caused by COVID-19 pandemic



This loss can be avoided by
better stock management
& control with RFID solutions

Source: TD Insights 2020

Tag application



NFC Labels



Hang tags



Cloth tags



Smart labels

Store of the future

**You have tried the garment and it fits well.
Then just... walk out the store wearing it!**

Thanks to RFID technology, it is possible to **automate checkout processes**, even to the level of complete automation of transactions when payment is automatically charged while the customer leaves the store.



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