

PACKAGING



AUTO.MINIMIZE by Storopack
THE EFFICIENT WAY TO REDUCE
VOIDS IN BOXES

EFFICIENCY MEANS MINIMIZING THE PACKAGING VOLUME.

VOID REDUCTION FOR BOXES OF VARIOUS FORMATS

The fast-growing e-commerce and mail order sector is dominated by a desire for ever shorter delivery times, as well as a need for eco-friendly and sustainable packaging. Rising transport costs, an increasingly acute skills shortage, and ever greater parcel volumes – combined with considerable product choice – make this a challenge for online retailers and logistics service providers.

This is where the benefits of the AUTO.MINIMIZE by Storopack come in. It not only minimizes the volume of the parcel, but also reduces the use of packaging material and makes transport more resource-saving and efficient. Thanks to fully automated processes, it also enables shorter turnaround times and improved throughput.

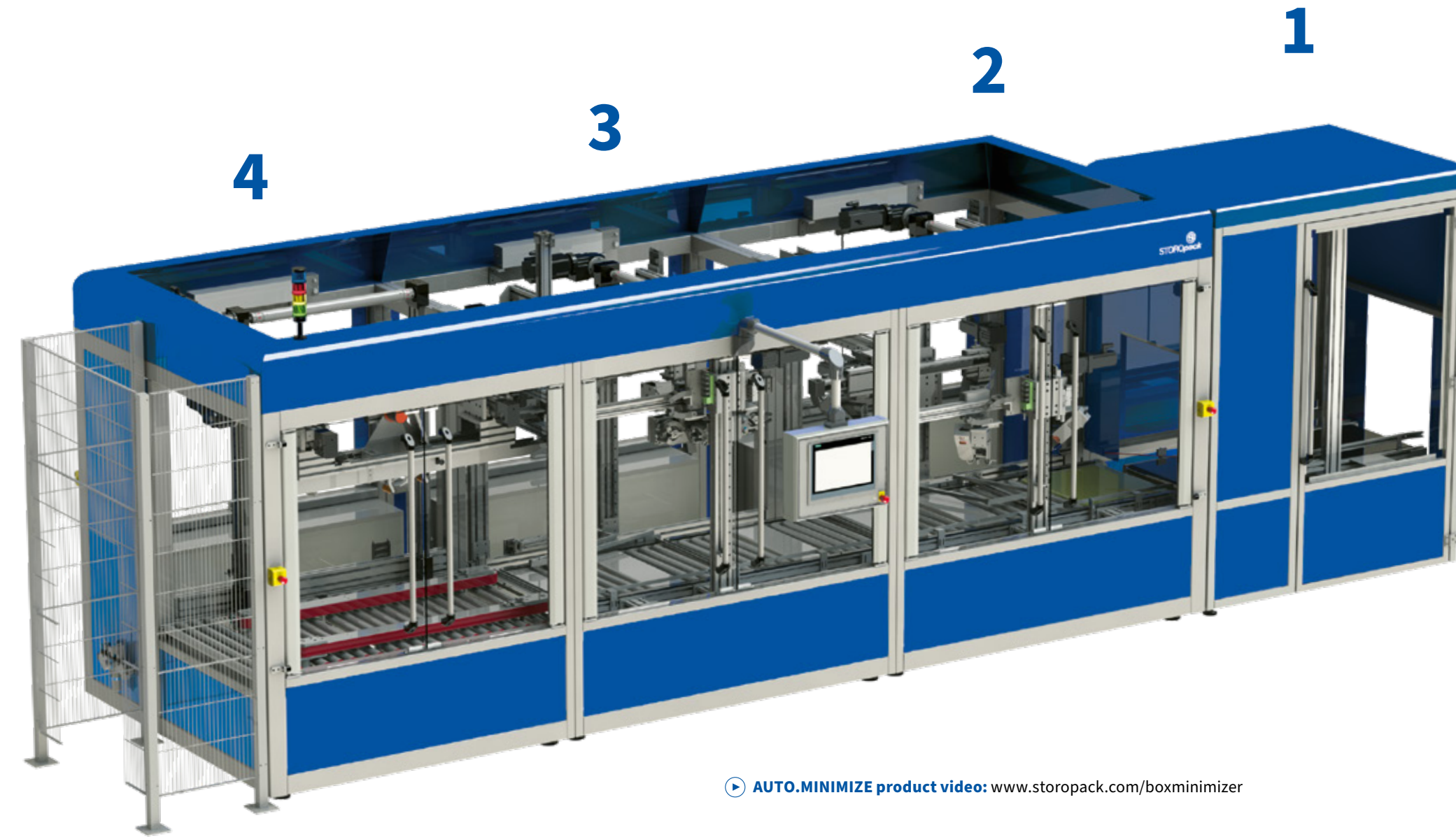
The AUTO.MINIMIZE can process creased cardboard boxes of various formats. As such, a wide variety of potential box types can be created from a handful of basic dimensions. Voids within the parcel can be kept to a minimum to reflect a wide selection of products. This saves material and transport costs, streamlines warehouse and purchasing processes, and – last but not least – ensures a positive unboxing experience for the recipient.

AUTOMATED PROCESSING

The first step is to determine the box format and the parcel's filling level. Oscillating blades then cut the corners of the box to just the right height, after which the box is closed and sealed with water activated tape (WAT) or self-adhesive tape.

Sealing the box with gummed paper tape is not only resource-saving but also tamper-proof, as the WAT tape cannot be removed from the box without damage. What's more, the gummed paper tape is exceptionally customer-friendly, as the box and the tape can be disposed of together for recycling.

Alternatively, the box can be closed by utilizing a lid attached with hot glue.



▶ [AUTO.MINIMIZE product video: www.storopack.com/boxminimizer](https://www.storopack.com/boxminimizer)

AUTO.MINIMIZE by Storopack AT A GLANCE

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| Effective | ▶ INCREASED PRODUCTIVITY THANKS TO FULLY AUTOMATED PROCESSING |
| Flexible | ▶ CAN HANDLE DIFFERENT BOX FORMATS IN ANY ORDER |
| Cost-effective | ▶ REDUCED PURCHASING/WAREHOUSE AND ADMINISTRATION COSTS DUE TO THE USE OF FEWER BOX FORMATS |
| Economical | ▶ SMALLER BOX SIZES REDUCE SHIPPING COSTS AND EMISSIONS |
| Resource-conserving | ▶ MINIMAL NEED FOR PADDING MATERIAL DUE TO LESS VOIDS |
| Reliable | ▶ RELIABLE PRODUCT PROTECTION THANKS TO THE USE OF ROBUST, HIGH-QUALITY SHIPPING CARTONS |
| Appealing | ▶ IMPROVED CUSTOMER PERCEPTION THANKS TO RELIABLE, SUSTAINABLE, AND EASY-TO-OPEN SHIPPING PACKAGING WITH OPTIONAL PULL STRIP |

TECHNICAL SPECIFICATIONS

| | |
|------------------------|------------------------------------------------------------------------|
| Compatible box formats | ▶ 12 x 8 x 2 to 23.5 x 15.75 x 19.5 INCHES |
| Speed | ▶ UP TO 10 BOXES PER MINUTE |
| Sealing method | ▶ GUMMED PAPER TAPE/SELF-ADHESIVE TAPE ▶ LID ATTACHED WITH HOT GLUE |

THE FEATURES OF AUTO.MINIMIZE



1. DETECTION OF BOX FORMAT AND PRODUCT HEIGHT WITHIN THE BOX



2. CUTTING OF BOX CORNERS



3. FOLDING OF LID FLAPS



4. SEALING WITH SELF-ADHESIVE/ GUMMED PAPER TAPE OR ALTERNATIVELY WITH LID

Working Automation

In an era of high parcel volumes and labor reallocation, the question of greater throughput and independence from the labor market is becoming increasingly urgent. Our Working Automation portfolio has the answer. Our modular system offers the right solution for every requirement, from the automation of individual steps of the process through to almost fully automated packaging. It is geared toward the needs of your company.

- ▶ AUTO.ERECT: ERECTS THE CARTON AND SEALS THE BASE
- ▶ AUTO.PROTECT: PADS THE GOODS AND FILLS VOIDS
- ▶ AUTO.MINIMIZE: REDUCES PARCEL DIMENSIONS
- ▶ AUTO.CLOSE: FOLDS AND SEALS THE SHIPPING-READY CARTON

PACKAGING LOGISTICS MEASURABLY BENEFITS YOUR PACKAGING PROCESS.

Whether you are seeking to expand, modernize, or fully overhaul your existing packing area, Storopack is on hand with help and support.

Based on your requirements, we will work with you to develop a tailored solution for maximum efficiency in your packaging process, from delivery of the picked goods through to the palletization of the shipping-ready cartons. You can choose between optimizing individual

packing functions or the entire process, thereby taking the productivity of your packaging operations to a new level with Storopack.

We will review which solution offers the greatest productivity boost for each step of your process, taking into account your existing components and/or integrated modules from our portfolio.

WE UTILIZE THE FOLLOWING PORTFOLIOS TO DEVELOP YOUR SOLUTION:

Working Automation

Our automated solutions allow you to benefit from an optimum material flow and free up human resources, even when parcel volumes are high.

Working Comfort®

Our solutions for ergonomically designed workstations raise the bar when it comes to manual packing. As such, the various stages of the packaging process can be handled easily and efficiently.

ERECTING

INSERTING

PROTECTING

CLOSING

LABELLING

PALLETIZING

STOROPACK – PERFECT PROTECTIVE PACKAGING

Wherever in the world you send your products, we want them to be well protected while in transit.

EFFICIENT PROCESSES WITH PACKAGING LOGISTICS

An optimal material flow ends with efficient packaging logistics. To enable you to benefit from streamlined processes and maximum throughput, our experts are on hand from the initial consultation through to implementation of the solution – and beyond.

 **More about Packaging Logistics:** www.storopack.us/packaging-logistics

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