

PillowMaster Ultrasonic

HIGH-PERFORMANCE
PILLOW PRODUCTION SYSTEM



PRODUCT DESCRIPTION

PillowMaster Ultrasonic

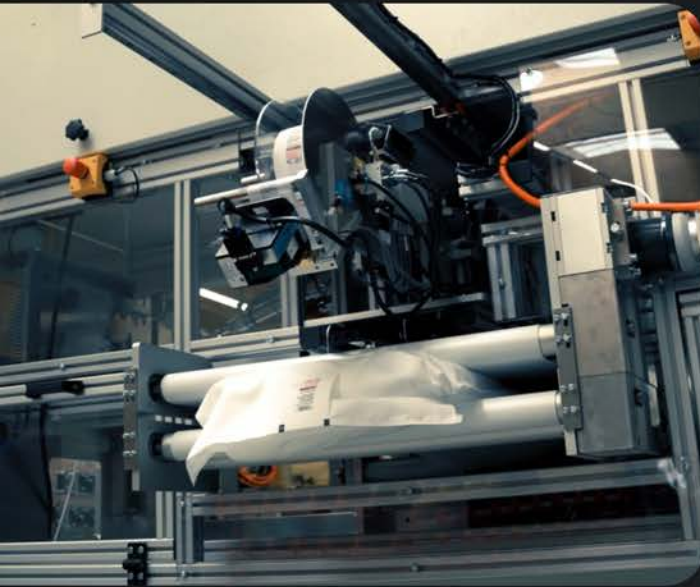
The PillowMaster Ultrasonic is an efficient ultrasonic cutting and welding machine for the production of pillows. The material is cut lengthwise and crosswise and welded in a single operation. Various sizes and material thicknesses can be processed. Ready-to-sell pillows are produced in consistent quality and quantity. Optionally, a labeller can be integrated, which welds the labels fully automatically.

Welding



STANDARD EQUIPMENT

Subject to technical changes



PRODUCTIVITY

Continuous production of at least 6 cushions per minute. Higher productivity is possible depending on the material and dimensions of the cushion.



PROCESSING

The PillowMaster Ultrasonic can process rolled cotton wool fleece.

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WELDING GEOMETRY

The welding geometries can be customised. It is always possible to switch between geometries.

STANDARD EQUIPMENT

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DIMENSIONS

Depending on customer specifications, the dimensions of the cushions can be adjusted from 400 mm to 800 mm in width and 400 mm to 1000 mm in length.



WIDTH ADJUSTMENT

The pinch cutter can be adjusted manually from 400 mm to 800 mm.

OPTIONAL EQUIPMENT

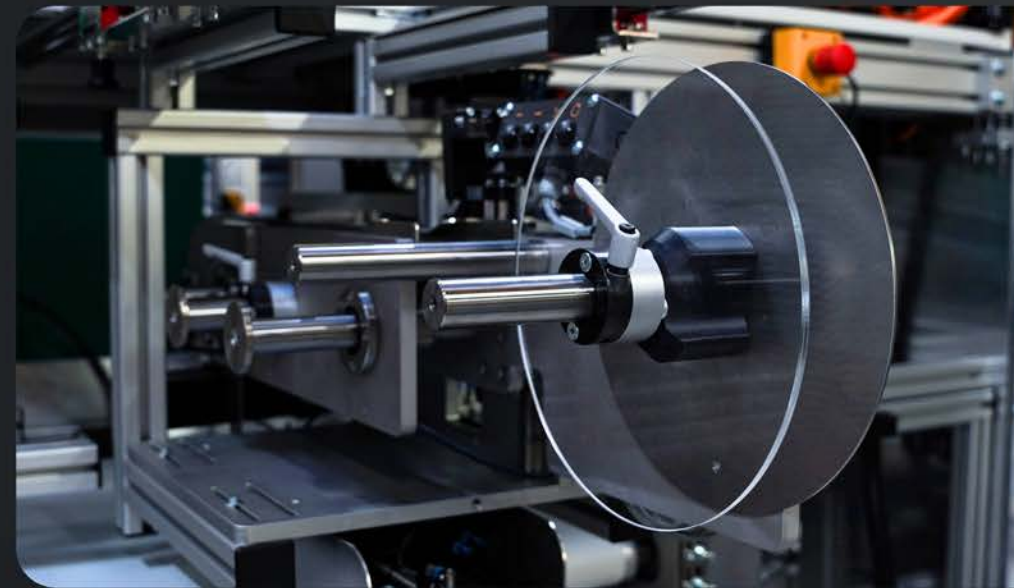
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ADDITIONAL UNWINDERS

The optional unwinder reduces set-up times and gives you valuable production time, as the operator determines the sequence. The optimised material flow prevents downtime and ensures a continuous, stable production process.



LABELLER/PRINTER

The labeller makes it easy to apply different label sizes quickly and flexibly. With the programmable printer, time and date information can be printed directly onto the label.

YOUR BENEFITS

- **Cutting and welding** in a single operation (lengthwise & crosswise) – continuous, efficient process
- **High productivity:** 6 pillows/minute, even higher possible depending on material/filling
- **Ready-to-sell quality**
- Ultrasonic cutting/welding technology with rotating 35kHz sonotrode technology for **clean edges and stable seams**
- **Various pillow sizes:** customisable (longitudinal cut 400–800 mm, cross-section 400–1000 mm)
- Optional **fully automatic label solution:** labels are automatically placed and welded on (seam-integrated)
- Optional printer for **time and date** recording on the label

TECHNICAL DATA

Subject to technical changes

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PRODUCTION

Production speed:	Approx. 6 cushions/minute
Welding width:	Max. 800 mm
Welding geometry:	Various geometries available
Max. working width:	800 mm
Min. working width:	400 mm
Working length:	400 mm – 1000 mm
Label feed:	Optional, for automatic insertion and sealing of labels
Printer:	Optional, printing of date and time stamps on labels

SPECIFICATION

Control:	PLC industrial components from Beckhoff Industry 4.0/5.0-compatible
HMI:	19" touch display, all material-specific settings can be saved and loaded via machine control



TECHNICAL DATA

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DATA INTERFACE

SIMPLE

Content: Width (mm), height (mm)
Separator: ;
Data import: directly via barcode (Code 128) or QR code
Example: 4100;3670

ADVANCED

Content: Order no.
Data import: File-based
Data format: XML
Scan example: FA376489

Example XML file

```
<?xml version="1.0"?>
<OrderImport xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

  <OrderId>FA376489</OrderId>
  <OrderLength>3670</OrderLength>
  <OrderWidth>4500</OrderWidth>
  <OrderPreviewImage>acrylic-brown.jpg</OrderPreviewImage>
  <ScreenCutParameter>1</ScreenCutParameter>

</OrderImport>
```

TECHNICAL DATA

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TYPES OF FABRIC

Thermoplastic substrates (e.g. non-woven, microfibre, Corovin, etc.)

DIMENSIONS, WEIGHT AND CONNECTION DATA

Height:	2799 mm
Width:	variable (see chart)
Length:	variable (see chart)
Weight:	variable (see chart)

Width	Machine length	Weight
2180mm	2952mm	ca. 1300kg
2180mm	4131mm	ca. 1720kg

Electrical power: 3-phase 400 V / 16 A / 50 Hz

Pneumatics: stable 6 bar, dry, oil-free, **class o**

Network connection: LAN (100/1000 Mbit)

TECHNICAL DATA DRAWING

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