# PRODUCT SPECIFICATION

## Robopac Robotape 50 TBDE Case Taper – Top/Bottom Drive



## Description

The Robopac Robotape 50 TBDE is a semi-automatic carton sealer with motorised top and bottom drive belts that grip the carton and feed it through the machine at a consistent speed. It tapes the top and bottom of the carton in a single pass, applying the tape with a slight overlap for easy opening.

Working width is set with manually positioned, self-centering side guides, and the upper head adjusts to carton height, making it well suited to high-volume packing of fixed-format boxes. The machine runs on a standard 230V single-phase supply and is supplied by KB Packaging under SKU ROBO-50-TBDE with a 12-month return-to-base (RTB) warranty. Short infeed and outfeed roller conveyors are available as an option.

## Key Features

- Motorised top and bottom drive belts grip and feed cartons consistently at 22 m/min
- Tapes the top and bottom of the carton simultaneously in a single pass
- Manually positioned, self-centering side guides for quick working-width set-up
- Tape applied with a slight overlap for easy opening
- Handles cartons from 150mm long with no maximum length, up to 500mm wide and 500mm high, and up to 50kg
- Runs on a 230V single-phase supply — the manufacturer's data lists no compressed air requirement
- Steel conveyor rollers and robust construction; optional infeed and outfeed roller conveyors
- 12-month return-to-base (RTB) warranty included

## Specification

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| **Type** | Semi-automatic case taping machine with top and bottom belt drive |
| **Manufacturer / Model** | Robopac Robotape 50 TBDE (W=135) |
| **KB SKU** | ROBO-50-TBDE |
| **Drive** | 2 top and 2 bottom motorised drive belts (belt length 50mm) |

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| **Taping** | Top and bottom simultaneously; 50mm taping heads |
| **Conveyor Rollers** | Steel |
| **Carton Adjustment** | Manually positioned, self-centering side guides (standard); manual height adjustment |
| **Utilities Required** | 230V single-phase 50Hz + earth electrical supply |
| **Machine Weight** | 140kg |
| **Options** | 2 taping units per belt for PP/PVC tapes; infeed and outfeed roller conveyors |
| **Warranty** | 12 months return-to-base (RTB) |

## Technical Data

*Per the manufacturer's technical features table for the Robotape 50 TBDE W=135.*

| Parameter | Unit | Value |
|---|---|---|
| Drive belt units (2 top / 2 bottom) | mm | Belt length 50 |
| Self-centering side guides (manual) | — | Standard |
| Infeed speed | m/min | 22 |
| Tape width | mm / in | 50 / 2 |
| Tape leg (flap) length | mm / in | 50 – 70 / 2 – 2.8 |
| 2 taping units per belt for PP/PVC tapes | — | Optional |
| Power supply | — | 230V 1-Ph 50Hz + earth |
| Installed power | kW | 0.4 |

## Workable Carton Dimensions

| Parameter | Unit | Value |
|---|---|---|
| Minimum carton (L × W × H) | mm / in | 150 × 135 × 110 / 5.9 × 5.3 × 4.3 |
| Maximum carton (L × W × H) | mm / in | ∞ × 500 × 500 / ∞ × 19.7 × 19.7 |
| Maximum carton weight | kg / lbs | 50 / 110.2 |

## Machine Dimensions

| Parameter | Unit | Value |
|---|---|---|
| Height (max) | mm / in | 1810 / 71.2 |
| Width (max) | mm / in | 770 / 30.3 |
| Length (max) | mm / in | 880 / 34.6 |
| Working height | mm / in | 670 – 850 / 26.4 – 33.5 |
| Machine weight | kg / lbs | 140 / 308.6 |

*Figures above are from the manufacturer's technical table for the machine body. The kbpackaging.com listing quotes 1900 × 770 × 1600mm (L × W × H), which appears to include the infeed and outfeed roller conveyors — allow for the longer footprint when planning floor space.*

## Compatible Consumables & Accessories

Current SKUs as listed alongside the Robotape 50 TBDE on kbpackaging.com:

| KB SKU | Description | Pack |
|---|---|---|
| CPP990-P100 | Machine Tape 48mm × 990m — Clear | Box of 6 |
| CPP48990HM | Machine Tape 48mm × 990m — Clear, Hot Melt | Box of 6 |
| SAPT48500 | Machine Tape 50mm × 500m — Self-Adhesive Kraft Paper | Box of 6 |
| ROBOTAPE-50-FEEDSET | Robotape 500mm Infeed and Outfeed Roller Set (one each end) | Set of 2 |

## Installation & Operating Requirements

- **Electrical:** 230V single-phase 50Hz supply with earth; installed power 0.4kW.
- **Compressed air:** none listed in the manufacturer's technical data — the drive and taping are electrically powered.
- **Floor space:** allow for the full footprint with any infeed/outfeed conveyors fitted, plus safe operator access on the infeed side.
- **Carton suitability:** set the side guides and head height to the carton in use; best suited to runs of fixed-format boxes.

## Regulatory & Safety Compliance

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| **Declaration of Conformity** | Request the manufacturer's Declaration of Conformity confirming the CE / UKCA marking applicable to the unit supplied. |
| **Machinery Regulation (EU) 2023/1230** | Replaces Directive 2006/42/EC for machines placed on the EU market from 20 January 2027, with no transitional period. Request the manufacturer's updated Declaration of Conformity for units supplied on or after that date. |

## Source Documents

- Robotape 50 TBDE Case Taper product listing, kbpackaging.com/product/robotape-50-tbde/ (KB SKU, description, features, warranty and compatible consumables)
- Robopac — Robotape 50 TBDE W=135 Technical Features table (Caratteristiche Tecniche / Technical Features)

*Note: KB Packaging is not the end user of the equipment it supplies. Confirming the suitability of this machine for a specific application, carton range and installation site, and compliance with any additional market-specific requirements, remains the responsibility of the end user. Specifications may be changed by the manufacturer without notice.*