

# TMR pkB3S

Automated parcel measurement, carrier quotes, label production and collection scheduling



- Streamlined parcel shipping
- Precision box measurement
- Cuts in-house processing times
- Avoids carrier surcharges
- Online multi-carrier database
- Best available delivery rates
- Compact standalone footprint

## Growth Market

The value of the UK parcel market is around £10 billion annually and is set to show continued growth, underlining the key role that delivery companies are playing in the retail and business-to-business economy. This has prompted customers to query whether there might be a mailing solution for parcels, which could be as easy to use, time saving and cost-efficient as our franking machines. In response, we have introduced the TMR pkB3S shipping terminal designed for this

growing parcel market. The perfect solution for SMEs and online traders, it provides accurate size, weight and volumetric package measurement, an online link to a cloud-based platform with up-to-date courier rates, and simple direct pick-up booking and label printing. It is ideal for enterprises sending 10 or more parcels daily or processing a diverse variety of packages and the back-end system will also process plastic flyer bags for documents and smaller items.



Authorised  
independent inspector and  
maintainer of franking machines

We go **Beyond Mailing**

Mail Management | Mailing Equipment | Postal Discount | Complete Support



**The  
Mailing  
Room**

The TMR pkB3S comprises three main elements. A standalone terminal that automatically processes each parcel using digital sensors, to calculate the exact chargeable weight and dimensions; a link via a laptop to an online carrier booking interface that books UK and international delivery services at discounted prices; and a hard-wired compact printer with peel and stick shipping labels.

The whole system is fully automated, so that once you have selected your preferred carrier, it issues a live request for parcel collection, without you needing to call and schedule a pick-up. The compact thermal printer produces industry-standard labels, in the format and quantity required by the parcel carrier.



#### **Minute Per Parcel**

A typical SME or online retailer sending over 20 items a day can spend up to 2 hours daily in resource time, physically measuring parcels, selecting a carrier, filling in a shipping label and commissioning a collection time, averaging at least 5 minutes per parcel. In contrast, the TMR pkB3S takes just 1 minute: 5 seconds for measuring the parcel, 40 seconds for keying the delivery address into the laptop, 10 seconds for checking the best available carrier for the package, and around 5 seconds to print and affix the shipping label.

#### **Reduced Waste**

The system's state-of-the-art dimensional scale incorporates sensors for package presence, height, length and girth, measuring each parcel in seconds and providing accurate data for calculating volumetric weight (see panel). Since each item is weighed and dimensionally measured individually and presented to the online shipping platform for onward processing, there is no need to adopt standard box sizes to meet carriers' strict packaging requirements. Taking into account faster parcel preparation time and accurate volumetric weights of parcels, this saves in excess of 10% on shipping charges and additionally reduces waste from excess packaging. The TMR pkB3S accepts parcels up to 735mm long and with a maximum weight of 30kg, although the scale has a 35kg capacity.

#### **Avoids Surcharges**

Apart from optimising shipping charges and reducing waste, one of the key benefits of our system's accurate weight capture and measurement is the avoidance of surcharges or fines, applied by courier companies for incorrect dimensions. If the carrier feels that a parcel received at its depot exceeds the declared specifications, it can apply extra charges for overweight or oversized items, resulting in further costs and sometimes time-wasting returns to shipper. In contrast, our system ensures package dimensions and weight are accurately captured, including bulges along the edges, and presented in your outgoing shipping data, avoiding the risk of surcharges.

Our parcel shipping system gives you automatic access to the best available carrier rates, without a lockdown contract.



The TMR pkB3S is backed by The Mailing Room's renowned service and repair facility, online ordering of ink film rolls and industry-standard shipping labels, and our solid reputation for customer support, built over 20 years.

#### **Booking Interface**

Our parcel shipping system then gives you automatic access to the best available carrier rates, without a lockdown contract, simply by entering the shipping address into your laptop and going online. The aggregating shipping tool then gives you the freedom to select the best rate and most suitable service from a continually updated database of national and international carrier companies. Our online booking interface annually handles millions of shipments at discounted prices, making it easy for you to access professional courier services, including Parcelforce, DHL, UPS, TG International, DPD, Tuffnells, UK Mail and others covering the whole spectrum of pricing and performance options.

#### **Pre-Qualified Requirements**

To set up your link to the carrier database and establish your shipping preferences, you will be asked to complete a pre-qualifying online checklist, indicating specific requirements like insurance cover, package tracking, signed-for receipts and guaranteed delivery, as well as typical value of contents. This will allow the system's back-end shipping platform to highlight the three best carriers that meet your parameters, as well as providing a list of other options and prices, for when your specifications change or volume of shipments varies. Once you click on a carrier, TMR pkB3S generates a self-adhesive parcel label and adds the item to the daily shipping manifest, which automatically triggers a collection by the designated service. An online top-up payment facility enables you to increase your current balance to maintain in-credit status.

#### **Packets Sub-Routine**

Because the digital processing system of the TMR pkB3S is designed to work with the hard, flat edges of boxes, it will not accurately measure the flexible, irregular profile of plastic flyers or bag-it packaging. Nevertheless, it will weigh the package and enable manual measurements to be entered into the shipping platform. Then, using a 'Packets' sub-routine, the system will automatically price up and list the top three options, with the selected suppliers added to the carrier's shipping manifest and labels printed in the required format. This straightforward, semi-automated procedure allows you to process and manage plastic packaging alongside regular boxed parcels, integrating everyday shipments.

# TMR pkB3S

**Dimensioning capability (LxWxH)**

Min:  
75x75x25mm  
Max:  
735x390x480mm



**Integrated Scale Capacity**

Packages up to 30kgs

**Tolerance**

Weight 0–5kg: +/- 1g  
Weight 5–30kg: +/- 5g  
Dimension: +/- 10mm

**Measuring Time**

3–5 seconds

**Machine Dimensions**

558x567x847mm

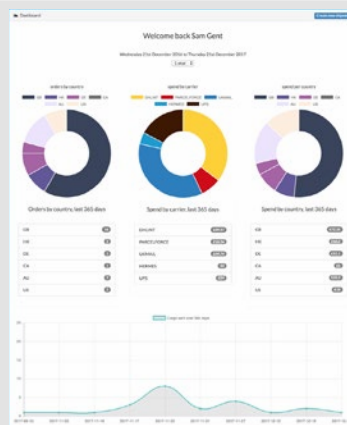
**Machine Weight**

23kg (28kg boxed)

**Connectivity Requirement**

Internet, direct LAN or opt 4G device

**Dashboard Example**



Please Note all specifications are variable and for guide only. Confirm specific machine details with your sales contact.

**Volumetric Weight**

For UK and international despatches where the price reflects the weight of the parcel, the volumetric weight of the package is used, which is based on the bulk of the item. Volumetric weight is used by carriers to determine how much space an item might take up in an aircraft, railway truck or carrier’s van when the parcel is being moved around, so the cost that is charged reflects this bulk factor. Thus, a 150cm square box weighing 1kg would be charged at a higher rate than a 10cm square, 1kg box, as it takes up far more room in the aircraft, truck, van or depot. To calculate volumetric weight, carriers multiply the length x height x width in centimetres of your parcel, then factor the answer by 5,000 or 6,000 depending on the network.

This figure is expressed in kilograms, rounded up to the nearest half kilogram, and whichever is the greater, the volumetric or actual weight of the parcel, is used to calculate your consignment price. If your parcel is irregularly shaped, the volumetric weight is based on the smallest cube shape into which the package will fit, although again the greater weight will apply. Thankfully, the back-end of the TMR pkB3S system contains special algorithms that instantly calculate volumetric weights for you and compares them with actual weights, ensuring that all measurements and weights are accurate when you book the consignment and avoiding any excess charges down the line.

**Summary**

The TMR pkB3S is a standalone parcel shipping platform with a compact footprint, state-of-the-art technology and easy-to-use features. It improves parcel shipping processes, saving over 4 minutes per package, avoids the risk of incorrect dimensions and subsequent surcharges, and reduces shipping costs through preferential carrier rates, saving up to 20% on standard prices. It provides access to leading suppliers’ delivery rates, without any volume commitment, and integrates with couriers for real-time parcel collection and track & trace alerts, at the same time accommodating plastic flyer bags supplied by carriers. The system’s affordable automation promises an early return on investment and provides a significant improvement to in-house resource efficiency. It is backed by The Mailing Room’s renowned service and repair facility, online ordering of ink film rolls and industry-standard shipping labels, and our solid reputation for customer support, built over 20 years.



If you would like to find out more about our range of products and how The Mailing Room could benefit your organisation, please get in touch.

