Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

Certificate of Approval

NMI 6/4D/344

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Bizerba Model GLP/GT240 Weighing Instrument

submitted by Bizerba Australia Pty Ltd
now of 2 McGregors Drive
Keilor Park VIC 3042

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

This approval becomes subject to review on 1/06/20, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – interim certificate issued	6/05/09
1	Pattern & variants 1 to 3 approved – interim certificate issued	3/12/09
2	Variants 4 to 7 approved – certificate issued	27/08/10
3	Pattern & variants 1 to 7 reviewed & updated – variants 8 & 9 approved – certificate issued	30/07/15
4	Variants 6 to 7 (incl. Table 1) amended (alternative model) – certificate issued	18/01/16
5	Variant 10 approved – certificate issued	2/06/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/344' and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates No S1/0/A or No S1/0B.

Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4D/344

1. Description of Pattern **approved on 6/05/09**

A Bizerba model GLP/GT240 multi-interval self-indicating class (III) price-computing weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg and with a verification scale interval (e_2) of 0.005 kg from 6 kg up to 15 kg.

The pattern includes a model GT240 display/keyboard, a model 18A-M basework, and a model GLP label printer. The format of all labels/tickets shall comply with the requirements of General Supplementary Certificate No S1/0/A.

Instruments have unit price to $9999.99/kg, price to $9999.99, a product look up (PLU) facility, and may be fitted with output sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices. This may include additional or alternative operator keyboards.

Note: The instrument is intended for weigh/price/labelling of items. The indication includes display of unit price, weight and tare values, but does not include indication of the computed price value. The computed price value (together with unit price and weight) is printed on the label which is produced by the instrument.

The instrument operates from mains AC power (230 V AC, 50 Hz).

1.1 Additional Information

Some aspects of the instrument may be configurable by the submittor and/or user. For example the keyboard layout on the operators touch screen display/keyboard may be altered.

The upper section of the instrument displays (i.e. as shown in Figure 2) shall not be altered.

The acceptability of particular instrument configurations is at the discretion of the applicable trade measurement authority. It should be noted in particular that the use of units other than kg (or g) and the use of unit prices in units other than $/kg (for weighed items) is not acceptable (other configuration options may also be unacceptable).

1.2 Zero

A zero-tracking device may be fitted.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

The instrument may have a key programmed as a semi-automatic zero setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.3 Tare

A semi-automatic subtractive tare device of up to maximum capacity and/or a keyboard-entered pre-set subtractive tare device of up to 5.998 kg capacity, may be fitted.

Pre-set tare values may also be associated with product look up (PLU) items.

When a tare is operating, a display of the tare value is provided.

1.4 Levelling

The basework of the instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.5 Interfaces

The instruments may be fitted with interfaces for the connection of auxiliary and/or peripheral devices. Any interfaces shall comply with clause 5.3.6 of document NMI R76 (the basic intent of which is that it shall not be possible to alter weighing results via the interfaces).

Any measurement data output from the instrument or its interfaces shall only be used for trade in compliance with Supplementary Certificates No S1/0/A or No S1/0B (in particular in regard to the data and its format).

1.6 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba, Germany	
Indication of accuracy class	(III)	
Pattern approval mark for the instrument	NMI 6/4D/344	
Maximum capacity	*Max*…/… g or kg	#1
Minimum capacity	*Min*…….. g or kg	#1
Verification scale interval	*e* = …/.... g or kg	#1
Maximum subtractive tare	*T* = - ….. g or kg	#2
Serial number of the instrument	……..	

#1 These markings are also shown near the display of the result if they are not already located there.

#2 This marking is required if *T* is not equal to *Max*.

The instrument is NOT FOR TRADING DIRECT WITH THE PUBLIC and shall be so marked (or similar wording).

1.7 Verification Provision

Provision is made for the application of a verification mark.

1.8 Sealing Provision

Provision is made for access to the calibration adjustments to be sealed by use of destructible adhesive labels on the cover plate located underneath the platter, as shown in Figure 3.

2. Description of Variant 1 **approved on 6/05/09**

The model GLP/GT240 as multi-interval instruments of certain capacities as listed below:

(i) A multi-interval instrument with a verification scale interval (e_1) of 0.001 kg up to 3 kg and with a verification scale interval (e_2) of 0.002 kg from 3 kg up to 6 kg, and with a maximum semi-automatic tare capacity of 6 kg and pre-set tare capacity of 2.999 kg; and

(ii) A multi-interval instrument with a verification scale interval (e_1) of 0.005 kg up to 15 kg and with a verification scale interval (e_2) of 0.01 kg from 15 kg up to 30 kg, and with a maximum semi-automatic tare capacity of 30 kg and pre-set tare capacity of 14.995 kg.

3. Description of Variant 2 approved on 6/05/09

The models GLP80/GT240 and GLP160/GT240 of any capacity for which the model GLP/GT240 is approved. The '80' and '160' in GLP80 and GLP160 refer to different label width capabilities of the printer.

4. Description of Variant 3 approved on 3/12/09

The pattern or variants with the model 18A-M basework incorporated into weigh/wrap/labeller units, and known as model GLP-PRIMA (Figure 4a) or model GLP-COMPACT (Figure 4b).

Instruments operate as non-automatic weighing instruments (the labelling operation may be automatic), and are approved for static weighing only.

The maximum weight of packages that can be wrapped may be less than the maximum weighing capacity.

Provision shall be made for access to the sealing arrangements described for the pattern.

5. Description of Variant 4 approved on 27/08/10

Certain models of the GLP/GT12C series as multi-interval instruments of capacities as approved for the pattern and variant 1. Instruments are similar to the pattern but are fitted with a model GT12C colour liquid crystal (LCD) touchscreen display/keyboard (Figure 5a) instead of the model GT240 of the pattern.

6. Description of Variant 5 approved on 27/08/10

Certain models of the GLP/GT6M series as multi-interval instruments of capacities as approved for the pattern and variant 1. Instruments are similar to the pattern but are fitted with a model GT6M liquid crystal (LCD) display/keyboard (Figure 5b) instead of the model GT240 of the pattern.

7. Description of Variant 6 approved on 27/08/10

Certain models of the GLP-W/GT12C series as single and multi-interval instruments. Instruments are similar to the pattern but are fitted with a VE S3 series basework (Figure 6) also known as a model 'iL Economy 300 F/SP Type 2, of capacities as listed below in Table 1 fitted with a Bizerba model PC 6 load cell (refer Table 1). Instruments are fitted with a model GT12C touchscreen display/keyboard and a model GLP-W printer unit (Figure 7a) which must be sealed. Figure 7b shows typical sealing.

8. Description of Variant 7 approved on 27/08/10

Certain models of the GLP-W/GT6M series as single or multi-interval instruments. Instruments are similar to variant 6 including baseworks as listed in Table 1, but are fitted with a model GT6M display/keyboard and a GLP-W printer unit (Figure 7a) which must be sealed (Figure 7b).

TABLE 1 – Bizerba VE S3 Series (#1) Baseworks (Variants 6 & 7)

Maximum Capacity (kg)	Verification Scale Interval (g)	Platform Size (mm × mm)	Load Cell
1.5 / 3 (#2)	0.5 / 1 (#2)	335 × 260	PC 6 C3/10kg Y20
3	1	335 × 260	PC 6 C3/20kg Y20
6	2	335 × 260	PC 6 C3/20kg Y10
15	5	335 × 260	PC 6 C3/50kg Y10
30	10	500 × 400	PC 6 C3/100kg Y10
60	20	500 × 400	PC 6 C3/200kg Y10
150	50	500 × 400	PC 6 C3/200kg Y10

Note:

(#1) – All baseworks may also be known as model 'iL Economy 300 F/SP Type 2'

(#2) – This basework is multi-interval – all others are single interval

9. Description of Variant 8 approved on 30/07/15

Instruments are similar to the pattern and variants 1 to 7 but are fitted with a model GT-12E colour liquid crystal (LCD) touchscreen display/keyboard (Figure 8) instead of the model GT240 of the pattern.

10. Description of Variant 9 approved on 30/07/15

Instruments are similar to the pattern and variants 1 to 7 but are fitted with a model GT-7C liquid crystal (LCD) display/keyboard (Figure 9) instead of the model GT240 of the pattern.

11. Description of Variant 10 approved on 2/06/16

Variants 6 and 7 using a basework as listed in Table 2 below.

TABLE 2 – Bizerba iL Economy 300F/SP Type 2 (Variant 10)

Maximum Capacity (Max_1/Max_2) (kg)	Verification Scale Interval (e_1/e_2) (g)	Platform Size (mm × mm)	Load Cell Used Flintec PC6 C3MI6 Y=25000
3 / 6 (#1)	1 / 2	335 × 260	20 kg
6 / 12 (#1)	2 / 5	335 × 260	50 kg
6 / 15 (#2)	2 / 5	335 × 260	50 kg
15 / 30 (#1)	5 / 10	335 × 260	100 kg
6 / 12 (#1)	2 / 5	500 × 400	50 kg
15 / 30 (#1)	5 / 10	500 × 400	100 kg
30 / 60 (#1)	10 / 20	500 × 400	200 kg
60 / 120 (#1)	20 / 50	500 × 400	200 kg
60 / 150 (#2)	20 / 50	500 × 400	200 kg
15 / 30 (#1)	5 / 10	600 × 450	100 kg
30 / 60 (#1)	10 / 20	600 × 450	200 kg
60 / 120 (#1)	20 / 50	600 × 450	200 kg
60 / 150 (#2)	20 / 50	600 × 450	200 kg

Note: (#1) – This basework is multi-interval

(#2) – This basework is multiple range

TEST PROCEDURE

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009*.

Tests

For multi-interval and multiple range instruments with verification scale intervals of e_1, e_2 …, apply e_1 for zero adjustment, and maximum permissible errors apply e_1, e_2 …, as applicable for the load.

FIGURE 6/4D/344 – 1

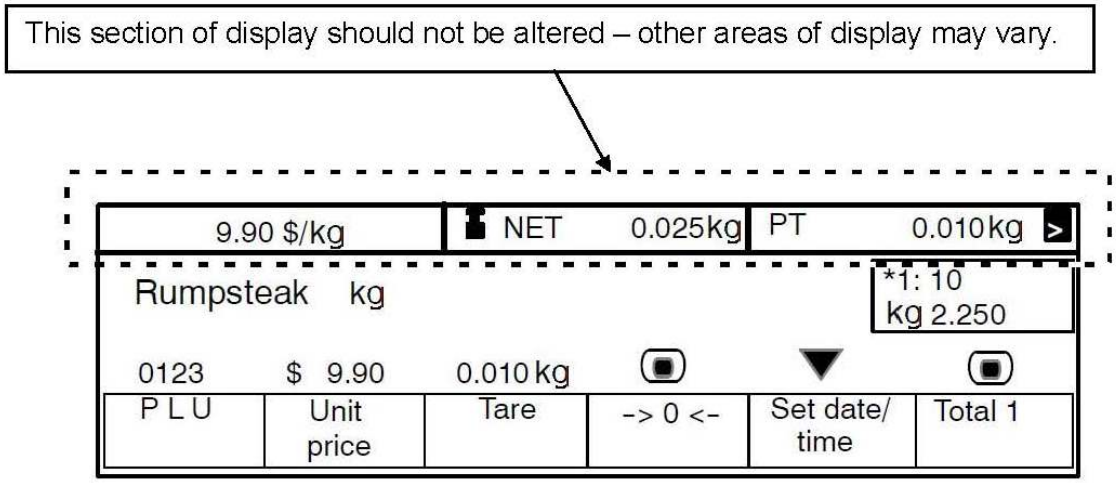
(a) Model GLP Printer Unit

(b) Model GT240 Indicator/Terminal

c) Model 18A-M Basework

Bizerba Model GLP/GT240 Weighing Instrument (Pattern)

FIGURE 6/4D/344 – 2



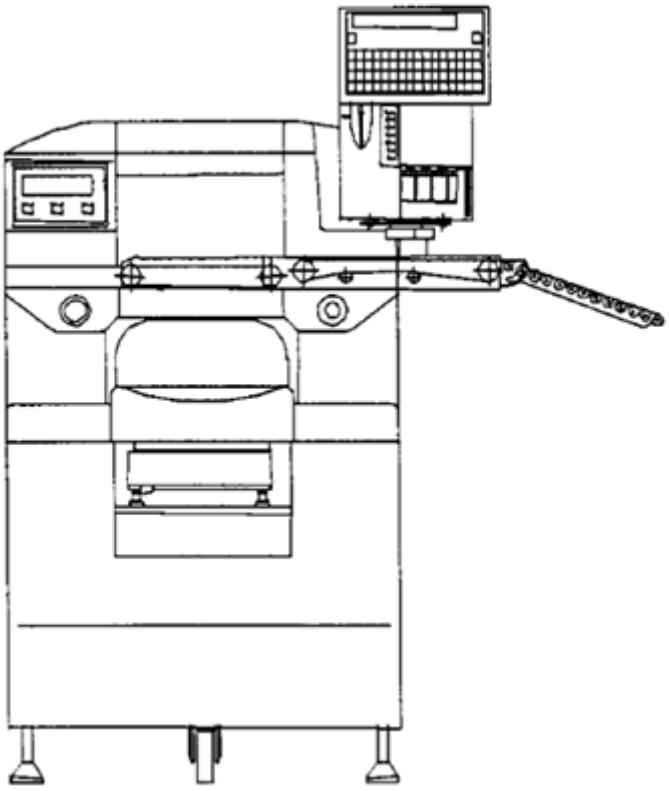
Bizerba Model GT240 Display (Pattern)

FIGURE 6/4D/344 – 3

Sealing of Calibration Access (Pattern)

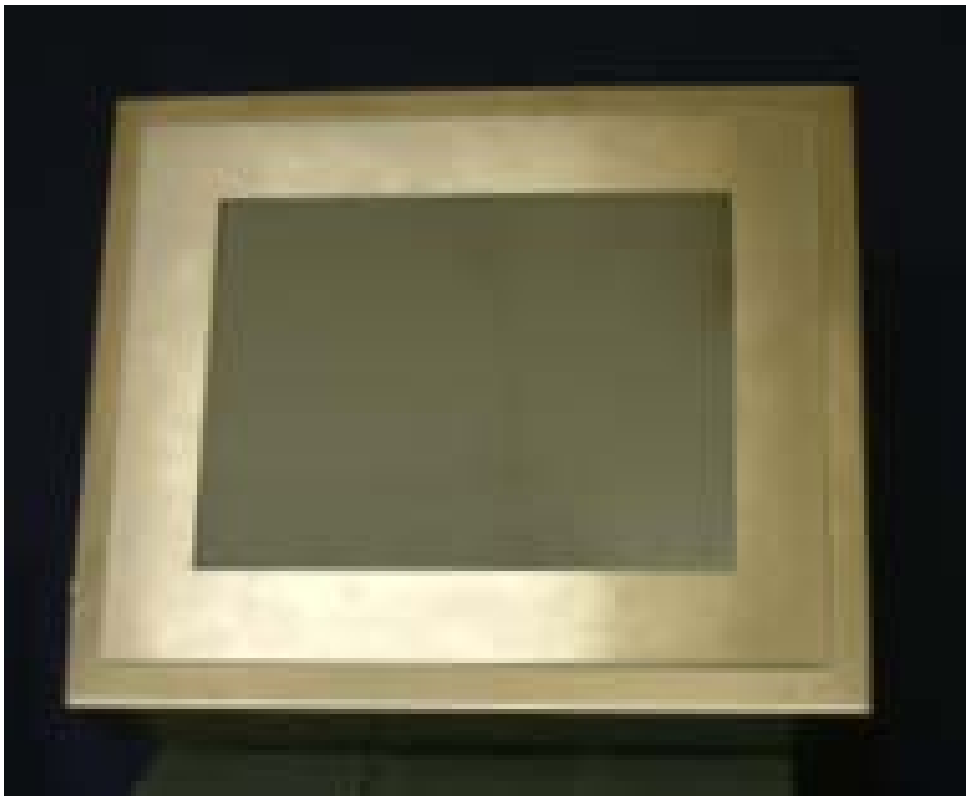
FIGURE 6/4D/344 – 4

(a) Model GLP-PRIMA (Variant 3)



(b) Model GLP-COMPACT (Variant 3)

FIGURE 6/4D/344 – 5

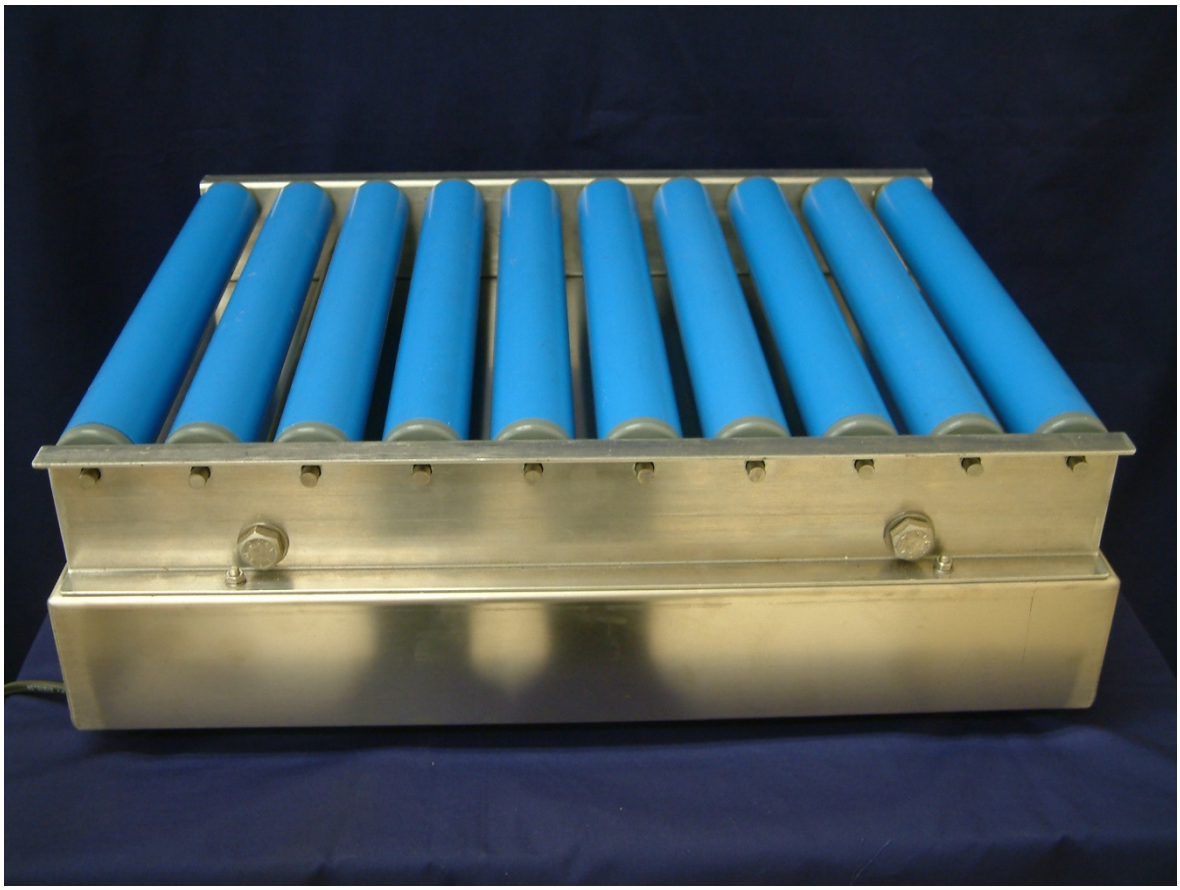


(a) Model GT12C Display/Keyboard (Variant 4)

(b) Model GT6M Display/Keyboard (Variant 5)

Bizerba Models GT12C and GT6M Display/Keyboards (Variants 4 & 5)

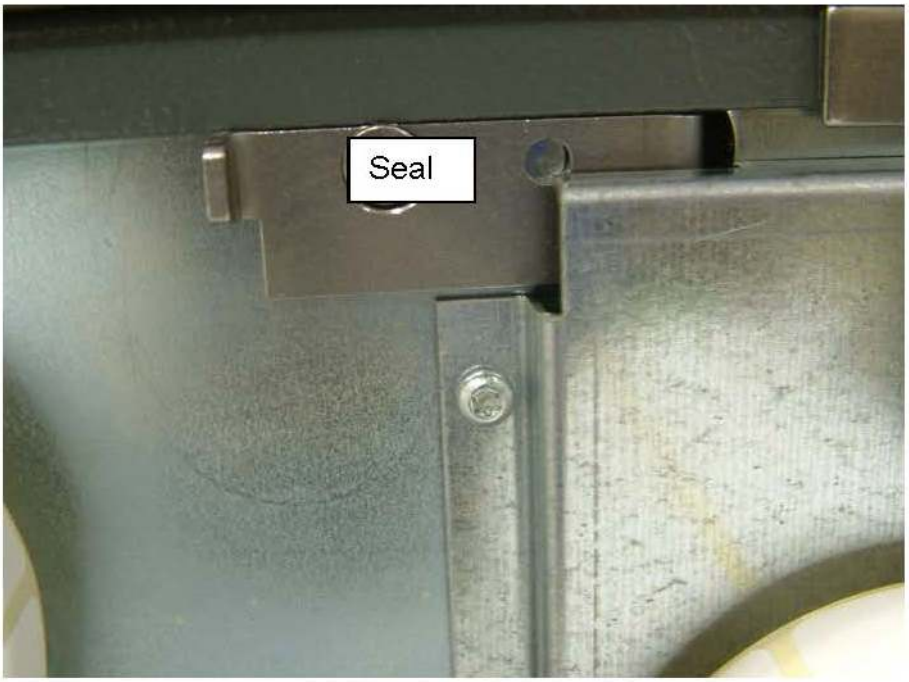
FIGURE 6/4D/344 – 6



Typical Bizerba VE S3 Series Basework,
(aka Model iL Economy 300 F/SP Type 2)
Shown With and Without an Optional Roller Top (Variants 6 & 7)

FIGURE 6/4D/344 – 7

(a) Model GLP-W Printer Unit



(b) Typical Sealing of Calibration Access on GLP-W Printer Unit

Bizerba Model GLP-W Printer Unit (including typical sealing) (Variants 6 & 7)

FIGURE 6/4D/344 – 8

Bizerba Model GT-12E Touchscreen Display/Keyboard (Variant 8)

FIGURE 6/4D/344 – 9

Bizerba Model GT-7C Display/Keyboard (Variant 9)

~ End of Document ~