Australian Government
Department of Industry, Science and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/14G/20

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 GLM-I Automatic Catchweighing Instrument

submitted by Bizerba Australia Pty Ltd
1/575 Darling Street
Rozelle NSW 2039

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 51, *Automatic Catchweighing Instruments*, dated August 2009.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & Variants 1 to 7 approved – interim certificate issued	21/08/08
1	Pattern & Variants 1 to 7 approved – certificate issued	12/12/08
2	Variants 8 to 11 approved – interim certificate issued	3/07/09
3	Variants 8 to 11 approved – certificate issued	5/08/09
4	Variants 12 to 14 approved – certificate issued	21/04/10
5	Pattern & Variants 1 to 14 reviewed & updated – Variant 15 approved – interim certificate issued	6/07/15
6	Variants 16 to 20 approved – interim certificate issued	4/11/15
7	Pattern & Variants 1 to 14 reviewed & updated – Variants 15 to 20 approved – certificate issued	24/03/16
8	Variant 17 amended (maximum belt speed) – certificate issued	8/04/16
9	Variant 21 approved – certificate issued	5/10/18
10	Review date removed and Variant 22 approved – certificate issued	01/12/23

Document History (cont…)

Rev	Reason/Details	Date
11	Variant 23 provisionally approved – certificate issued	16/01/24
12	Variant 23 approved – certificate issued	04/09/24

CONDITIONS OF APPROVAL

General

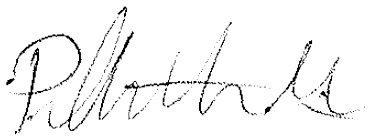
Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/14G/20' and only by persons authorised by the submittor.

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.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

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



Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No 6/14G/20

1. Description of Pattern approved on 21/08/08

A Bizerba model GLM-I class Y(a) automatic catchweighing instrument (Figure 1) which is approved for use to weigh objects either statically or dynamically.

Instruments are approved for use over a temperature range of 0 °C to +40 °C and must be so marked.

Notes:

(a) The pattern or variants may have differing arrangements of conveyor, controller cabinet, terminal/indicator, printer(s), e.g. as in Figures 1 to 4.

(b) The instrument model number (GLM-I) may be followed by suffixes to indicate various configurations, e.g. GLM-I 170 1T/1B indicates an instrument rated as 170 packs per minute, having one printer above the conveyor and one below (Figure 4).

1.1 Details

The pattern is a single interval class Y(a) automatic catchweighing instrument with a maximum capacity of 6 kg, a verification scale interval of 0.002 kg and a minimum capacity of 0.04 kg.

The instrument operates either statically (package stops on the weighing receptor) or dynamically (package in motion on the weighing receptor). The maximum belt speed of the weighing receptor is 1 m/s.

The throughput (packs per minute) is variable and depends on several factors, e.g. size of label, size and weight of pack. The instrument has facilities to detect errors and provide error messages for situations close to and outside the limits.

Instruments may be fitted with sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices, and for the external programming of PLU and labelling data.

The pattern comprises:

- A terminal/indicator with an LCD touchscreen display/keyboard.
- A weighing module and conveyor system with associated controller; and
- One or two printing units above and/or below the conveyor.

1.2 Zero

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

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument, capable of setting zero to within ±0.25e.

A zero-tracking device may be fitted.

1.3 Tare

A semi-automatic subtractive taring device of up to 2.400 kg capacity may be fitted. This device may only be activated (tare obtained) whilst the conveyors are stationary.

The instrument has a pre-set subtractive taring device of up to 2.400 kg capacity.

Pre-set tare values are stored in association with product-look-up (PLU) items.

1.4 Operation

In start/stop mode, an object to be weighed moves from the infeed and separator conveyors onto the weighing receptor conveyor and then stops to be weighed statically. After weighing, the object continues onto the outfeed conveyor where a label is then printed and applied to the object.

In continuous mode, an object to be weighed moves from the infeed and separator conveyors onto the weighing receptor conveyor and is weighed dynamically. After weighing, the object continues onto the outfeed conveyor where a label is then printed and applied to the object.

1.5 Terminal/Indicator

The terminal/indicator is fitted with a touchscreen LCD display and keyboard – either a Bizerba model GT-CT which has a monochrome display, or model GT-12C which has a colour display (Figure 5).

This is used to control the system and store data such as system parameters (e.g. conveyor speed, PLU and label format). It displays the weight (in kg).

The display may be a black and white or colour screen.

Instruments have unit price to $9999.99/kg, a product-look-up (PLU) facility and a separate ‘tare’ display.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

1.6 Weighing Unit and Conveyor

The weighing unit uses a Bizerba Type 10A belt conveyor-type load receptor which incorporates a Bizerba model WS10 C5/10/10 load cell. The belt conveyor type load receptor has maximum nominal dimensions of 535 × 370 mm.

The conveyor system comprises infeed conveyor(s), the weighing module/conveyor and outfeed conveyor(s), with an associated electric motor and drive arrangement for each conveyor. A controller cabinet is located beneath or beside the conveyors.

An optical sensor is located along the conveyor path. The infeed conveyors space the objects to be weighed.

1.7 Printing Unit

The printing unit includes a thermal printer and a compressed air, rotary arm, or piston unit used to apply the label to the weighed object.

1.8 Verification Provision

Provision is made for the application of a verification mark.

1.9 Sealing Provision

Provision is made for sealing of the calibration adjustments of the instrument by the application of a destructible adhesive label over the fixing screws on the nameplate attached to the weighing module (these fixing screws also secure access within the casing of the weighing module). Hence, sealing the fixing screws prevents unauthorised access to a 'calibration switch' located within the casing of the weighing module (Figures 6 to 9 show details which may apply for the pattern and variants, including differing instrument arrangements).

1.10 Descriptive Markings

Instruments are marked with the following data, together in one location, in the form shown at right:

Manufacturer's mark, or name written in full	Bizerba GmbH, Germany	
Name or mark of manufacturer's agent	……..	
Model designation	……..	
Serial number	……..	
Accuracy class	Y(a)	
Pattern approval mark	NMI 6/14G/20	
Maximum capacity	*Max* …. kg	(*)
Minimum capacity	*Min* ….. kg	(*)
Verification scale interval	*e* = …... kg	(*)
Maximum subtractive tare	*T* = - …. kg	
Maximum conveyor speed	…….. m/s	
Special temperature limits	0 °C to +40 °C	

(*) These markings are also shown near the display of the result if they are not already located there.

Notes:

(i) For multiple range instruments (refer to the variants) the markings shall be as above, with the exception that the 'Maximum capacity', 'Minimum capacity' and 'Verification scale interval' for each range shall be marked, with an indication of the range to which they apply, as shown in the instrument display (e.g. 'W1').

Range	W1	W2	(#)
Max	…. kg	…. kg	
Min	…. kg	…. kg	
e =	…. kg	…. kg	

(#) The markings for each weighing range shall be clearly associated with an indication of the corresponding range (i.e. 'W1') to correspond to the weighing range designations shown in the instrument display.

(ii) For multi-interval instruments (refer to the variants) the markings shall be as above, with the exception that the 'Maximum capacity' and 'Verification scale interval' shall be marked for both interval ranges, e.g. as follows:

Maximum capacity	*Max* ...../..... kg
Verification scale interval	*e* = .../..... kg

2. Description of Variant 1 approved on 21/08/08

Certain other versions/capacities of the GLM-I series as listed below, with Type 10A weighing modules but now using a Bizerba model WS10CW load cell:

- As single interval instruments of 10 kg maximum capacity with a verification scale interval of 2 g; and
- As multi-interval instruments with a verification scale interval of 1 g up to 6 g, and with a verification scale interval of 2 g from 6 kg up to 10 kg.

These instruments have a maximum tare capacity of 4 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 400 mm × 700 mm.

3. Description of Variant 2 approved on 21/08/08

Certain other versions/capacities of the GLM-I series as listed below, with Type 10A weighing modules but now using a Bizerba model WS10VK load cell:

- As single interval instruments of 12 kg maximum capacity with a verification scale interval of 2 g;
- As single interval instruments of 15 kg maximum capacity with a verification scale interval of 5 g; and
- As multi-interval instruments with a verification scale interval of 1 g up to 6 kg, and with a verification scale interval of 2 g from 6 kg up to 10 kg.

These instruments have a maximum tare capacity of 4.8 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 400 mm × 700 mm.

4. Description of Variant 3 approved on 21/08/08

Certain other versions/capacities of the GLM-I series as listed below, with Type 10A weighing modules but now using a Bizerba model WS20CW load cell:

- As single interval instruments of 6 kg maximum capacity with a verification scale interval of 2 g;
- As single interval instruments of 15 kg maximum capacity with a verification scale interval of 5 g; and
- As multiple range instruments with a verification scale interval of 2 g up to 6 kg, and with a verification scale interval of 5 g from 6 kg up to 15 kg.

These instruments have a maximum tare capacity of 6 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 500 mm × 800 mm.

5. Description of Variant 4 approved on 21/08/08

Certain other versions/capacities of the GLM-I series as listed below, now with V shape belt weighing modules which incorporate a Bizerba model WS20VB load cell:

- As single interval instruments of 6 kg maximum capacity with a verification scale interval of 2 g;
- As multiple range instruments with a verification scale interval of 2 g up to 6 kg, and with a verification scale interval of 5 g from 6 kg up to 15 kg.

These instruments have a maximum tare capacity of 6 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 500 mm × 800 mm.

6. Description of Variant 5 approved on 21/08/08

Certain other versions/capacities of the GLM-I series as listed below, now with Type 30K weighing modules which incorporate a Bizerba model WS6H load cell:

- As single interval instruments of 30 kg maximum capacity with a verification scale interval of 5 g; and
- As single interval instruments of 30 kg maximum capacity with a verification scale interval of 10 g.

These instruments have a maximum tare capacity of 12 kg, a maximum belt speed of up to 0.83 m/s, and maximum platform dimensions of 600 mm × 800 mm.

7. Description of Variant 6 approved on 21/08/08

Type 60K weighing modules which incorporates a Bizerba model WS10H load cell:

- As single interval instruments of 60 kg maximum capacity with a verification scale interval of 10 g;
- As single interval instruments of 60 kg maximum capacity with a verification scale interval of 20 g; and
- As single interval instruments of 60 kg maximum capacity with a verification scale interval of 50 g.

These instruments have a maximum tare capacity of 24 kg, a maximum belt speed of up to 1.0 m/s, and maximum platform dimensions of 600 mm × 1000 mm.

8. Description of Variant 7 approved on 21/08/08

A single interval model GLM-I, with a Type EM weighing module which incorporate a Bizerba model EM750 electrodynamic force compensation load cell.

The instrument has a maximum capacity of 750 g with a verification scale interval of 0.1 g.

These instruments have a maximum tare capacity of 300 g, a maximum belt speed of up to 0.83 m/s, and maximum platform dimensions of 150 mm × 350 mm.

9. Description of Variant 8 approved on 3/07/09

The Bizerba model GLM-E class Y(a) automatic catchweighing instrument which is similar to the GLM-I series (the pattern) except having an integrated display/control and printing unit (Figure 10a).

In addition to the Bizerba model GT-CT or GT-12C terminal/indicator described for the pattern, a Bizerba model GT-6M terminal/indicator (Figure 10b) may be used.

This variant is a single interval instrument of 10 kg maximum capacity with a verification scale interval of 2 g.

The Bizerba Type 10A weighing module incorporates a Bizerba model WS10CW load cell. These instruments have a maximum tare capacity of 4 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 400 × 700 mm.

Instruments are approved for use over a temperature range of 0 ºC to +40 ºC and must be so marked.

Notes:

(a) The GLM-E series may have differing arrangements of conveyor, controller cabinet, terminal/indicator, and/or printer(s).

(b) The instrument model number (GLM-E) may be followed by suffixes to indicate various configurations, e.g. GLM-E 40 1T/1B indicates an instrument rated as 40 packs per minute, one printer above the conveyor and one below (Figure 11).

10. Description of Variant 9 approved on 3/07/09

Certain other versions/capacities of the GLM-E series using a Bizerba model WS10CW load cell:

- As multi-interval instruments with a verification scale interval e_1 of 1 g up to 3 kg, and with a verification scale interval e_2 of 2 g from 3 kg up to 6 kg; and
- As multi-interval instruments with a verification scale interval e_1 of 1 g up to 6 kg, and with a verification scale interval e_2 of 2 g from 6 kg up to 10 kg.

These instruments have a maximum tare capacity of 4 kg, a maximum belt speed of up to 1.47 m/s, and maximum platform dimensions of 400 × 700 mm.

11. Description of Variant 10 approved on 3/07/09

Certain other versions/capacities of the GLM-E series using a Bizerba model WS10E load cell:

- As single interval instruments of 6 kg maximum capacity with a verification scale interval of 1 g;
- As single interval instruments of 6 kg maximum capacity with a verification scale interval of 2 g; and

These instruments have a maximum tare capacity of 2.4 kg, a maximum belt speed of up to 0.59 m/s, and maximum platform dimensions of 300 × 400 mm.

12. Description of Variant 11 approved on 3/07/09

Certain other versions/capacities of the GLM-E series using a Bizerba model WS20E load cell:

- As single interval instruments of 12 kg maximum capacity with a verification scale interval of 2 g, and maximum tare capacity of 4.8 kg; and
- As single interval instruments of 15 kg maximum capacity with a verification scale interval of 5 g, and maximum tare capacity of 6 kg.

These instruments have a maximum belt speed of up to 0.59 m/s, and maximum platform dimensions of 300 × 400 mm.

13. Description of Variant 12 approved on 20/04/10

The Bizerba model GLM-E Automac class Y(a) automatic catchweighing instrument (Figures 12 and 13) which is similar to the GLM-E series (variant 8) except that the weighing platform is integrated into a packaging machine. The item to be weighed may be transported/deposited onto the weighing platform by a conveyor (as shown in Figure 13d) or by use of a slotted platform arrangement (as shown in Figure 14a).

The weighing platform may be incorporated into other packaging machines in a similar manner to that shown in Figures 12 and 13.

The instrument operates statically (with the item being stationary on the platform during weighing).

The GLM-E Automac may utilise a Bizerba model GT-6M terminal/indicator, or the Bizerba model GT-CT or GT-12C terminal/indicator.

The instrument uses a Bizerba model 18A weighing platform, and is a multi- interval instrument having a verification scale interval (e_1) of 0.001 kg up to 6 kg and a verification scale interval (e_2) of 0.005 kg from 6 kg up to 15 kg.

The maximum nominal dimensions of the weighing platform are 300 mm × 470 mm.

The instrument has a semi-automatic subtractive taring device which may only be activated (tare obtained) whilst the instrument is operating in a non-automatic mode. The instrument also has a pre-set subtractive taring device. The maximum tare capacity is 6 kg.

The instrument has facilities for detecting that the pack has been stable for a sufficient time to achieve an acceptable weight reading, and will not produce a label until this is achieved – the achievable throughput is dependent on this, as well as the rate at which packs are supplied to the instrument and the speed of the wrapping and labelling process. A marking of 'Maximum conveyor speed …' is not required.

13.1 Sealing Provision

Provision is made for sealing of the calibration adjustments of the instrument by the application of a destructible adhesive label, or by use of a 'lead and wire' type seal to prevent access to a calibration switch located within the casing of the weighing module. See Figure 14b.

14. Description of Variant 13 approved on 20/04/10

The Bizerba model GLM-E Retail class Y(a) automatic catchweighing instrument (Figure 15) which is similar to the GLM-E Automac (variant 12) except that it is equipped with an additional printer. Either printer may print weight and price related data, whilst the other may be used for the printing of other information, e.g. promotional, nutritional content.

14.1 Sealing Provision

Sealing arrangements are shown in Figure 16.

15. Description of Variant 14 approved on 20/04/10

The Bizerba model GLM-E Automac (Variant 12) or model GLM-E Retail (Variant 13) as multi-interval instruments having a verification scale interval (e_1) of 0.001 kg up to 3 kg and a verification scale interval (e_2) of 0.002 kg from 3 kg up to 6 kg.

The maximum tare capacity is 2 kg.

16. Description of Variant 15 approved on 6/07/15

The Bizerba model **GLM-I^{evo}** class Y(a) automatic catchweighing instrument (Figure 17) which is similar to the pattern except that the different weighing platform is used. The item to be weighed may be transported/deposited onto the weighing platform by a conveyor.

The instrument operates statically (with the item being stationary on the platform during weighing) or dynamically (with the item being weighed while it passes through the weighing platform).

The instrument is fitted with GT-12C terminal/indicator. The instrument is fitted with a label printing machine. The format of the label should comply with the requirements of NMI S1/0B.

The instrument may be fitted with a Bizerba model BLE weighing platform or a BLS weighing platform. The metrological characteristics of the platform are listed in Table 1.

Table 1 – Metrological characteristics of the platform (Model GLM-I^{evo})

Weighing module	Max. capacity	Verification scale accuracy	Number n of scale intervals	Platform dimension (mm)	Max packs per minute	Max belt speed in m/min
BLE1500	≤1.5 kg	≥ 1.0 g	≤1500	150 × 325	≤200	≤65
BLS15	≤ 3 kg	≥ 0.5 g	≤ 6000	300 × 440	≤170	≤75
				300 × 540	≤139	≤75
BLS18	≤ 6 kg	≥ 1.0 g	≤ 6000	300 × 440	≤150	≤73
				300 × 540	≤150	≤81
				300 × 740	≤120	≤88
	≤ 6 kg / 10 kg	≥ 1 g / 2 g	≤ 6000 / 5000	300 × 540	≤150	≤81
	≤ 6 kg / 15 kg	≥ 2 g / 5 g	≤ 2 x 3000	400 × 540	≤100	≤54
				400 × 740	≤81	≤60
BLS36	≤ 12 kg	≥ 2 g	≤ 6000	400 × 540	≤100	≤54
				400 × 740	≤81	≤60

A semi-automatic subtractive taring device of 20% of maximum capacity may be fitted. This device may only be activated (tare obtained) whilst the conveyors are stationary.

A model BLE weighing platform has an electromagnetic force compensation load cell (Figure 19). A model BLS weighing platform has a strain gauge load cell (Figure 20).

The instrument has facilities for detecting that the pack has been stable for a sufficient time to achieve an acceptable weight reading, and will not produce a label until this is achieved – the achievable throughput is dependent on this, as well as the rate at which packs are supplied to the instrument and the speed of the labelling process. A marking of ‘Maximum conveyor speed …’ is not required.

16.1 Sealing Provision

Provision is made for sealing of the calibration adjustments of the instrument by the application of a destructible adhesive label to prevent access to a calibration switch located within the casing of the weighing module. See Figures 18 to 20.

17. Description of Variant 16 approved on 4/11/15

The Bizerba model GLM-Emaxx class Y(a) automatic catchweighing instrument (Figure 21) which is similar to the pattern but is fitted with certain WS10E iop weighing modules and a model GT-7C or model GT-12E terminal/indicator (Figure 22). The model GLM- Emaxx is approved as a single interval instrument of:

- 6 kg maximum capacity with a verification scale interval of 1 g; and
- 6 kg maximum capacity with a verification scale interval of 2 g.

These instruments have a maximum belt speed of up to 0.6 m/s (dynamic) and of 1.0 m/s (start/stop), and maximum platform dimensions of 300 × 440 mm.

Instruments are approved for use over a temperature range of 0 ºC to +40 ºC and must be so marked.

18. Description of Variant 17 approved on 4/11/15

Certain other versions/capacities of the GLM-Emaxx series using a Bizerba model WS20E iop weighing module and approved as a single interval instrument of:

- 12 kg maximum capacity with a verification scale interval of 2 g; and
- 15 kg maximum capacity with a verification scale interval of 5 g.

These instruments have a maximum belt speed **of up to 0.6 m/s (dynamic)** and of 1.0 m/s (start/stop), and maximum platform dimensions of 300 × 440 mm.

19. Description of Variant 18 approved on 4/11/15

A model GLM-Emaxx using a Bizerba model WS10E iop weighing module and approved as a multi-interval instrument with a verification scale interval e_1 of 1 g up to 3 kg, and with a verification scale interval e_2 of 2 g from 3 kg up to 6 kg.

20. Description of Variant 19 approved on 4/11/15

The Bizerba GLM-Emaxx Automac instruments which are similar to those described in Variants 12 and 14.

The GLM-Emaxx Automac may utilise a Bizerba model GT-CT, GT-6M, GT-7C, GT-12C or GT-12E terminal/indicator.

21. Description of Variant 20 approved on 4/11/15

The Bizerba GLM-Emaxx Retail instruments which are similar to those described in Variants 13 and 14.

The GLM-Emaxx Retail may utilise a Bizerba model GT-CT, GT-6M, GT-7C, GT-12C or GT-12E terminal/indicator.

22. Description of Variant 21 approved on 5/10/18

The Bizerba GLM-Emaxx instruments which are similar to those described in Variants 16, 17 and 18 but with maximum platform lengths up to 700 mm.

23. Description of Variant 22 approved on 01/12/23

The Bizerba model GLM-I^{evo} series may utilise a Bizerba model i75 terminal/indicator (Figure 23).

24. Description of Variant 23 provisionally approved on 16/01/24
approved on 04/09/24

The Bizerba model GLM-I G5 100 (Figure 24) instrument which is similar to Variant 15. The instrument is fitted with one Bizerba BLS18 load cell. The main differences are as follows.

- The instrument is fitted with a GT-16C terminal (Figure 25) or optional iS75 G2 terminal.
- The instrument is fitted with new version of automation control software (Software ID: “e: 04102”) and new version of terminal software (“GT-SoftControl” Software ID: 66229).
- The instrument is fitted with a Bizerba model GLM-I G5 70/100 weighing module with the conveyor size of 400 mm (L) x 300 mm (W).

The instrument includes GLM-I G5 labellers installed above and below the instrument respectively, and a GT-16C terminal. The instrument may be fitted with up to 4 labellers above the instrument and up to 2 labellers below the instrument.

The main specifications of the instrument are listed in Table 2 and the instrument shall be marked accordingly.

Table 2 – Main Specifications (Model GLM-I G5 100)

Maximum capacity (kg)	6
Minimum capacity (g)	20
Accuracy class	Y(a)
Verification scale interval (g)	≥ 1
Number n of scale interval	≤ 6000
Platform dimension (mm)	340 x 540
Maximum packs per minute	100
Maximum belt speed (m/min)	54
Maximum tare (kg)	1.2

The software version can be checked with the following steps:

1. Press <i> key
2. Select <Software ID>
3. Press <OK>
4. The software ID window will be displayed.

Sealing of the calibration adjustments of the instrument is the same as Variant 15.

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.

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

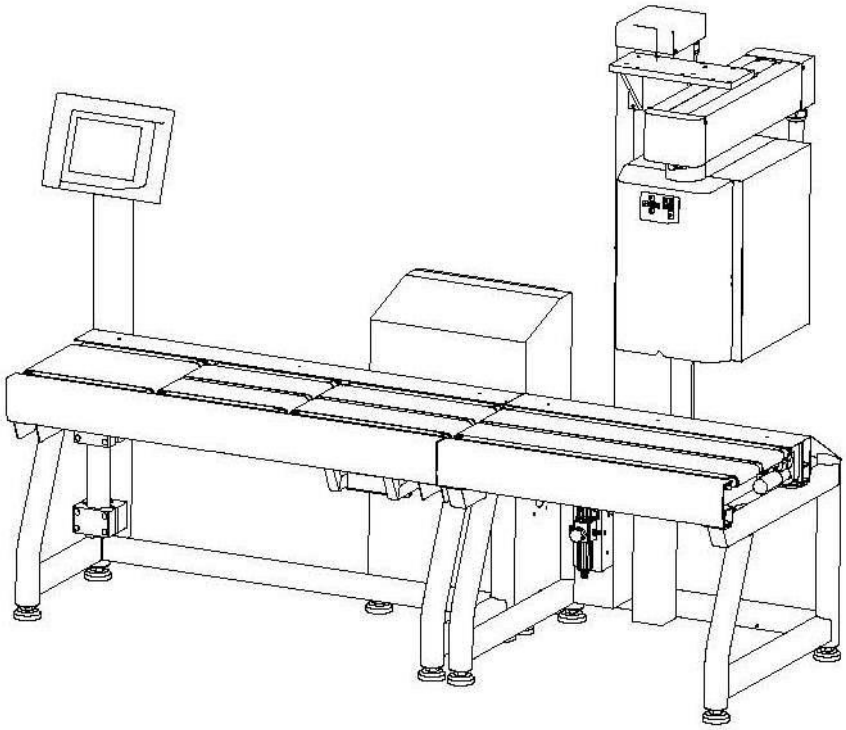
Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009.*

FIGURE 6/14G/20 – 1

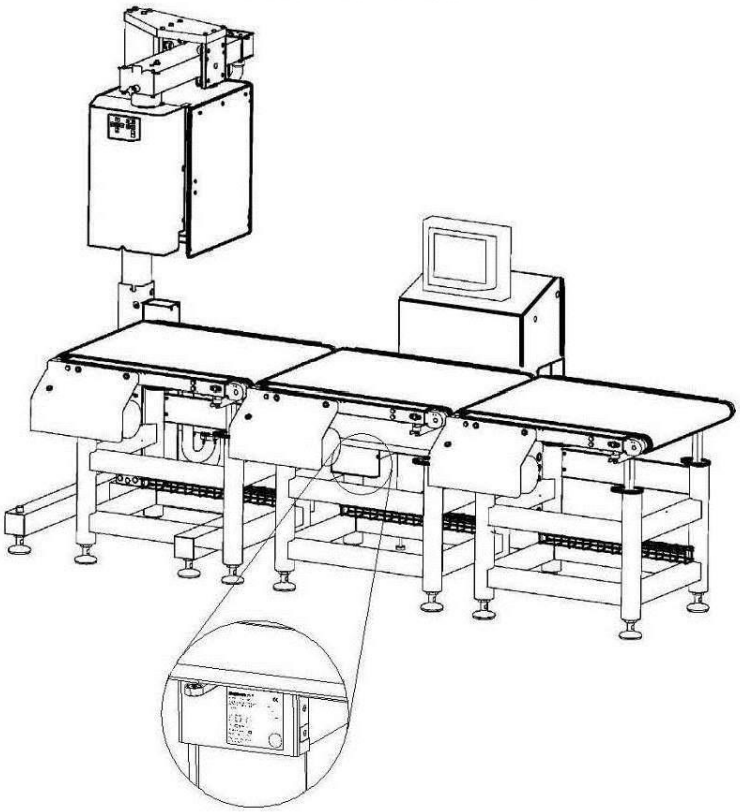
Bizerba Model GLM-I Automatic Catchweighing Instrument (pattern)

FIGURE 6/14G/20 – 2



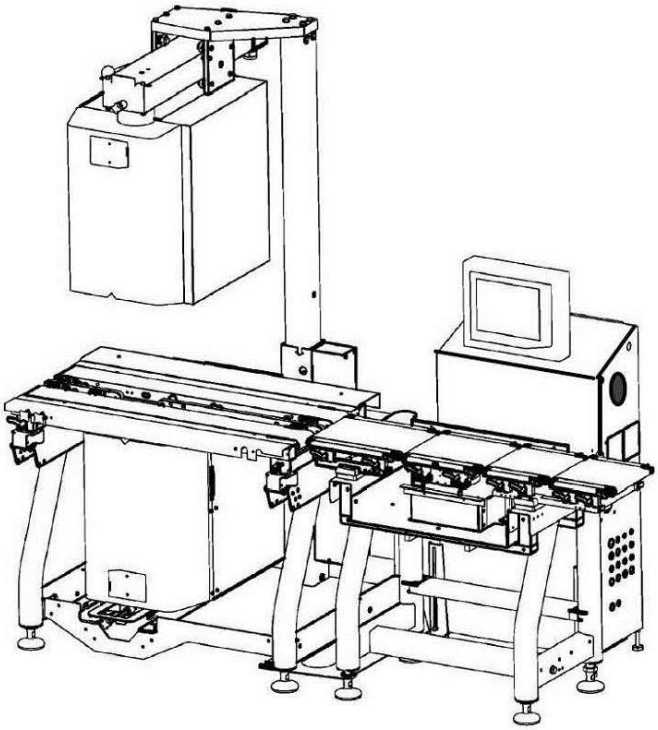
Model GLM-I – Alternative Arrangement of Components (Pattern & Variants 1 to 7)

FIGURE 6/14G/20 – 3



Alternative Arrangement of Components (Model GLM-I 40 1T) (Pattern & Variants 1 to 7)

FIGURE 6/14G/20 – 4



Alternative Arrangement of Components (Model GLM-I 170 1T/1B) (Pattern & Variants 1 to 7)

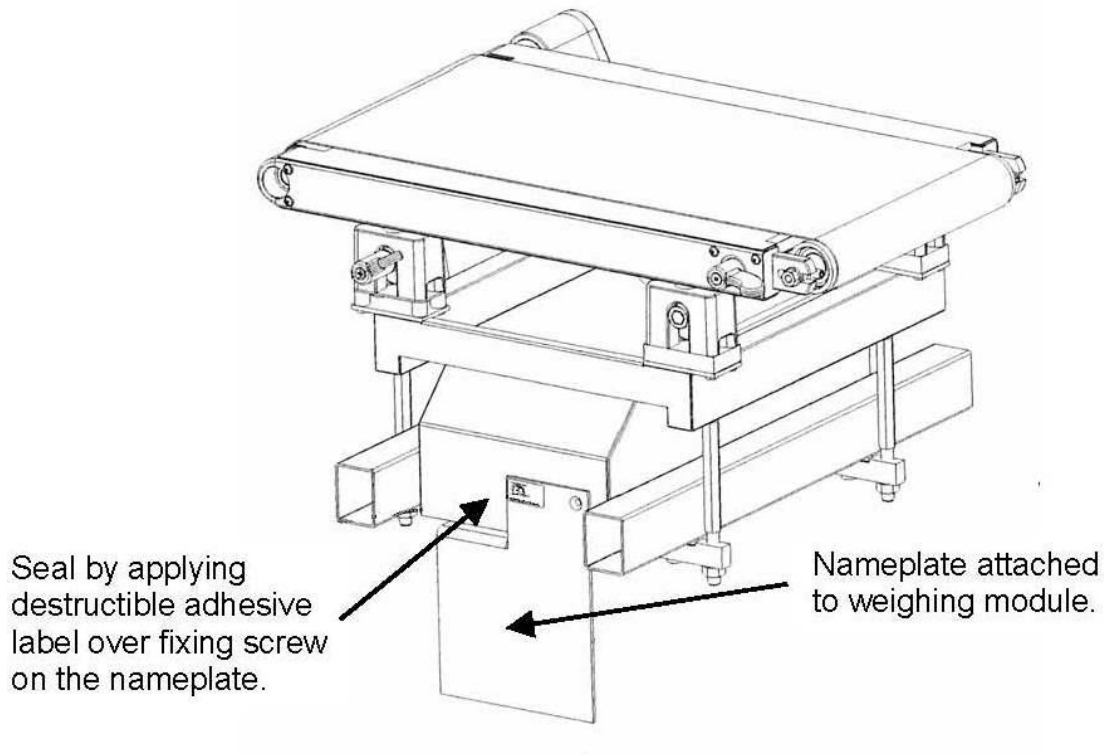
FIGURE 6/14G/20 – 5

(a) Model GT-CT

(b) Model GT-12C

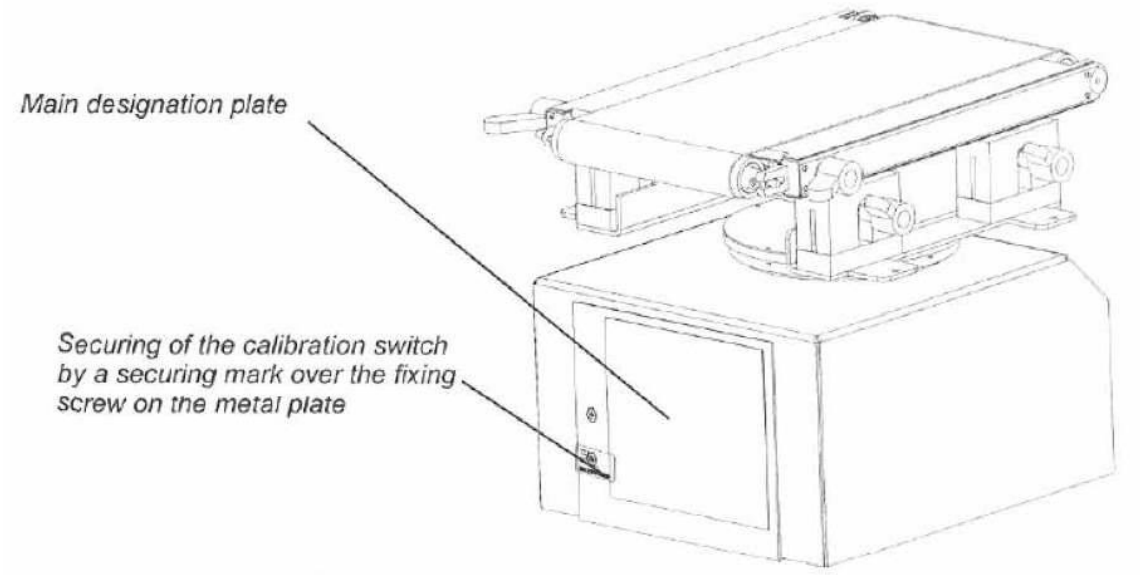
Terminal/Indicator – Touchscreen LCD Display/Keyboard

FIGURE 6/14G/20 – 6



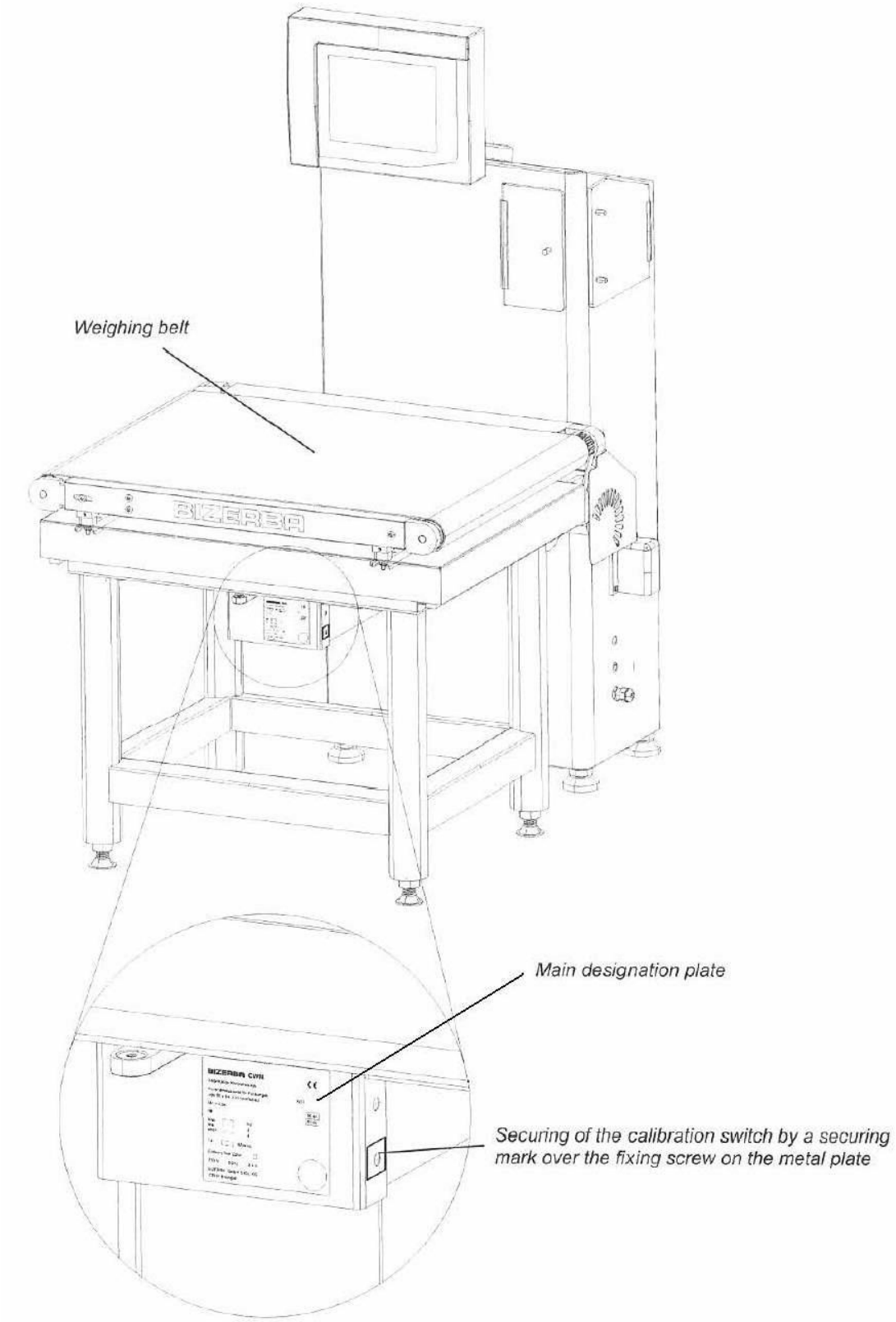
Typical Sealing – Pattern & Variants 1 to 7

FIGURE 6/14G/20 – 7



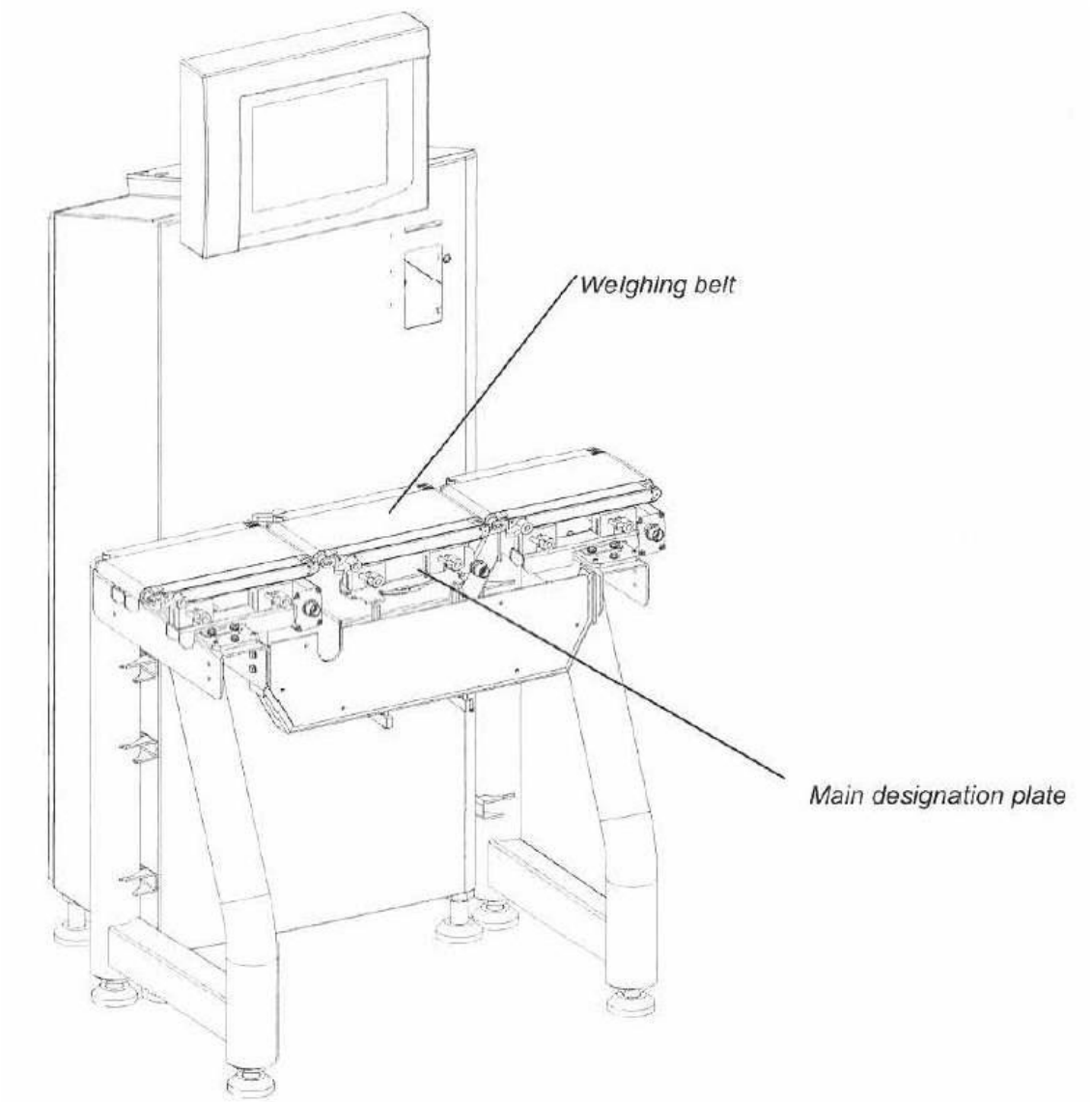
Alternative Sealing – Pattern & Variants 1 to 7

FIGURE 6/14G/20 – 8



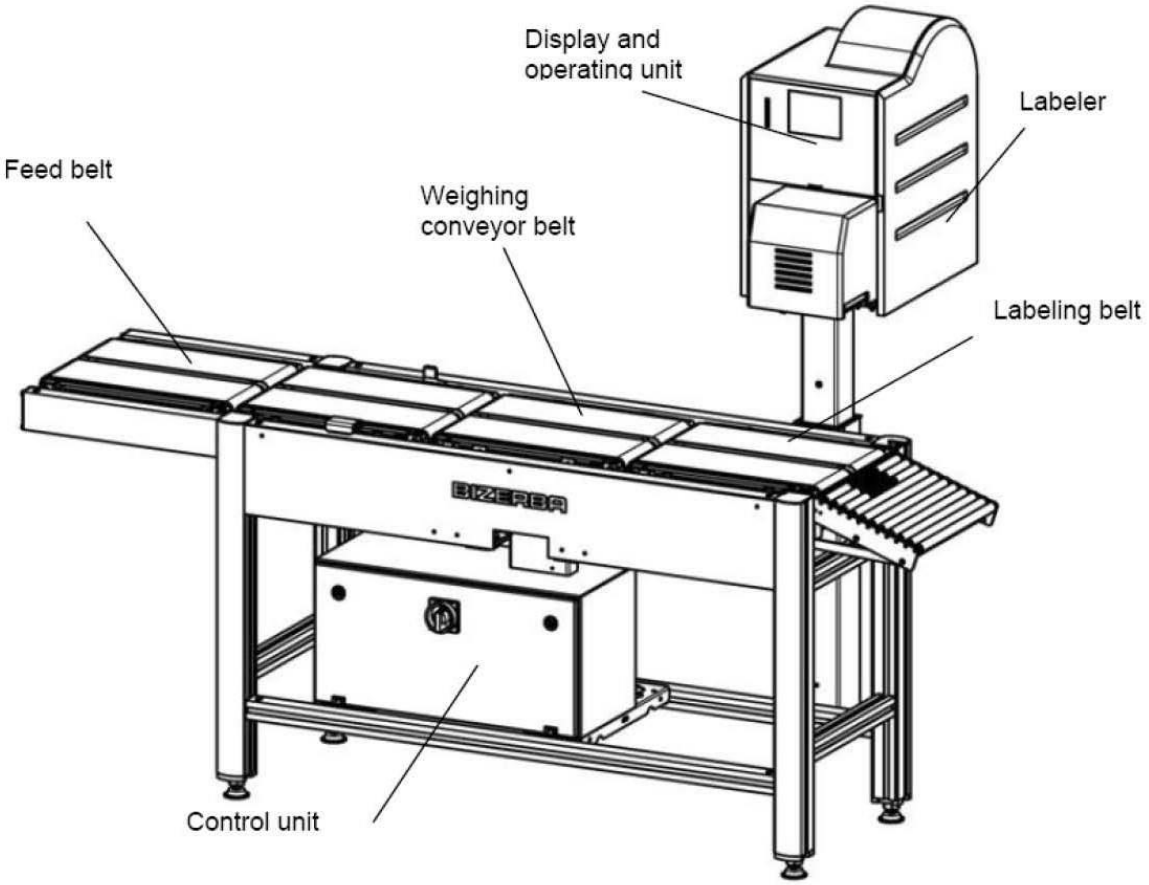
Alternative Sealing – Pattern & Variants 1 to 7

FIGURE 6/14G/20 – 9



Alternative Sealing – Pattern & Variants 1 to 7

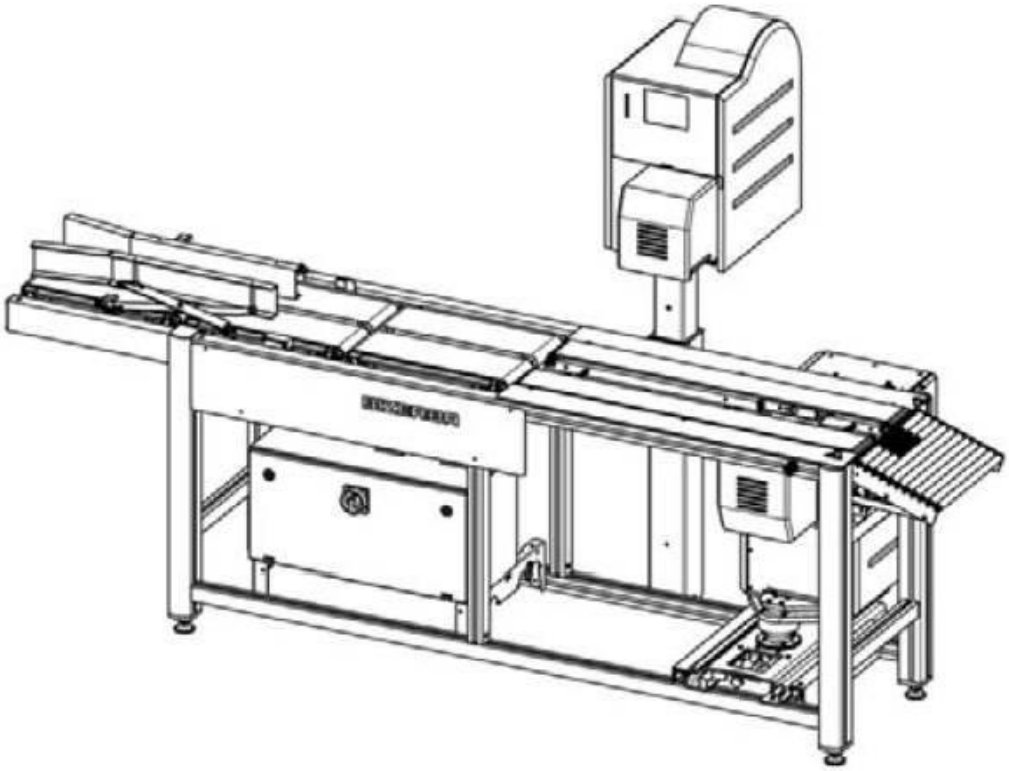
FIGURE 6/14G/20 – 10



(a) Model GLM-E Automatic Catchweighing Instrument (Variant 8)

(b) Model GT-6M Terminal/Indicator (Variant 8)

FIGURE 6/14G/20 – 11



Model GLM-E 40 1T/1B Instrument (Variant 8)

FIGURE 6/14G/20 – 12

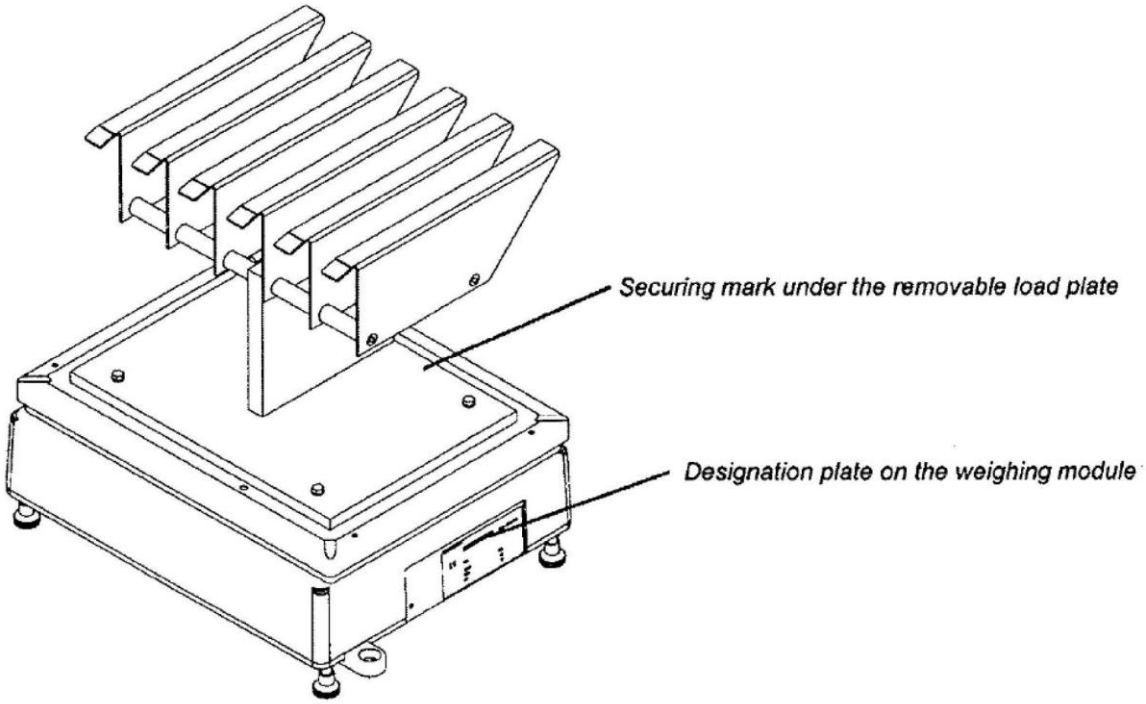
Model GLM-E Automac Automatic Catchweighing Instrument
(shown with model GT-6M terminal/indicator) (Variant 12)

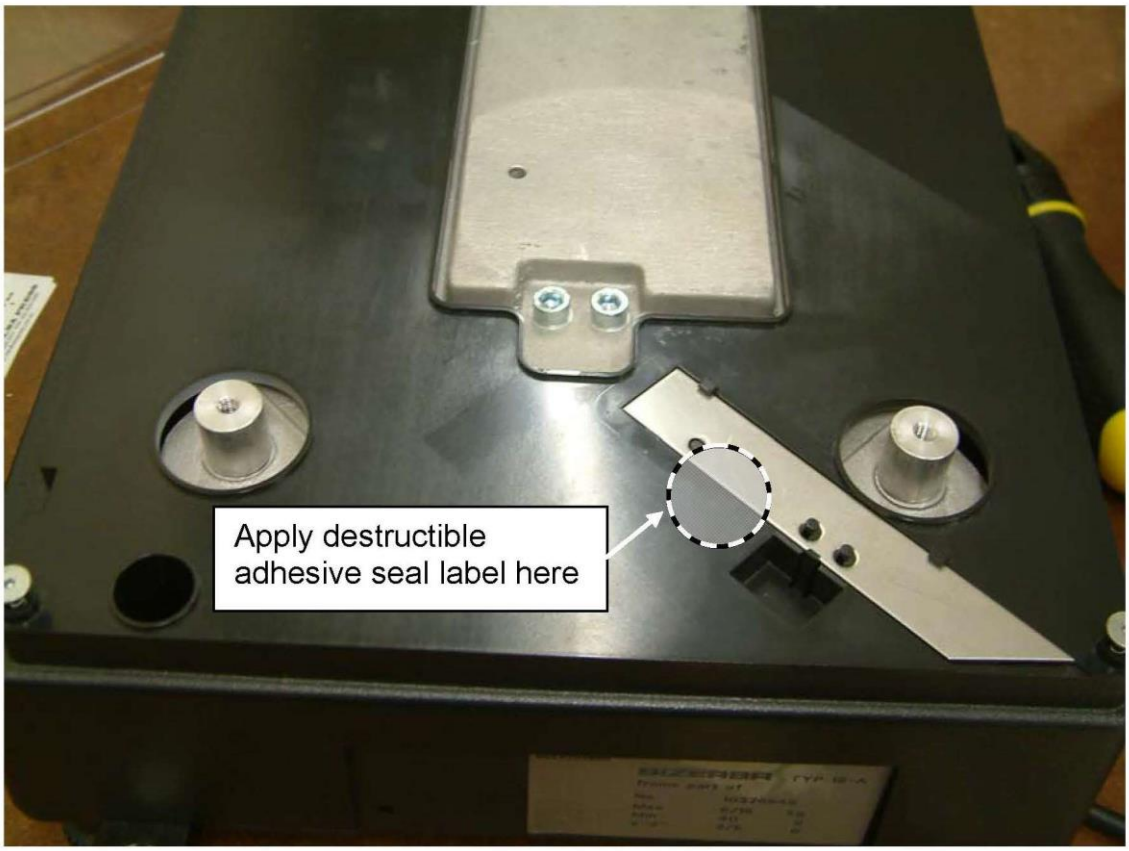
FIGURE 6/14G/20 – 13

Note: The terminal used shall be a Bizerba model GT-6M, GT-CT or GT-12C terminal/indicator (original photos above showed earlier model indicator)

Alternative Versions of Model GLM-E Automac Automatic Catchweighing Instruments (Variant 12)

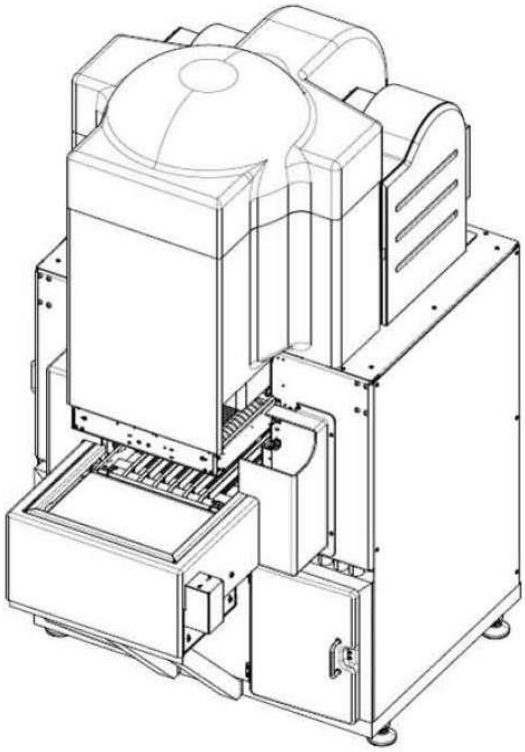
FIGURE 6/14G/20 – 14



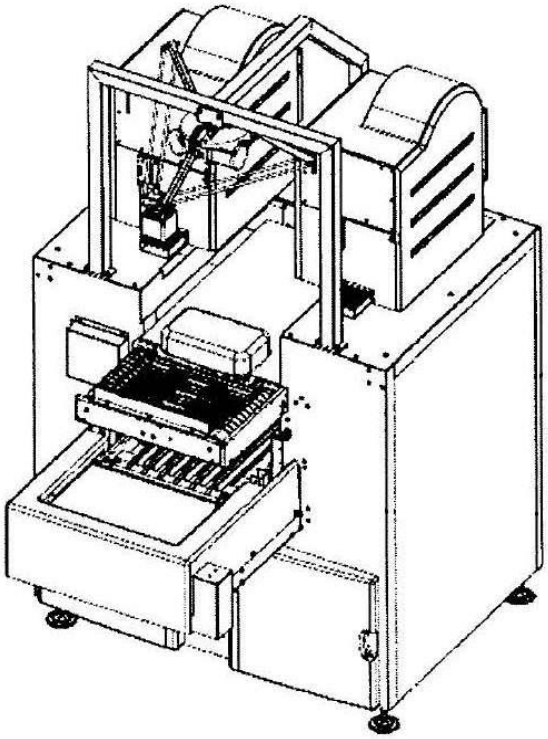


Typical Sealing Model GLM-E Automac Weighing Platform (sealing beneath load plate) (Variant 12)

FIGURE 6/14G/20 – 15



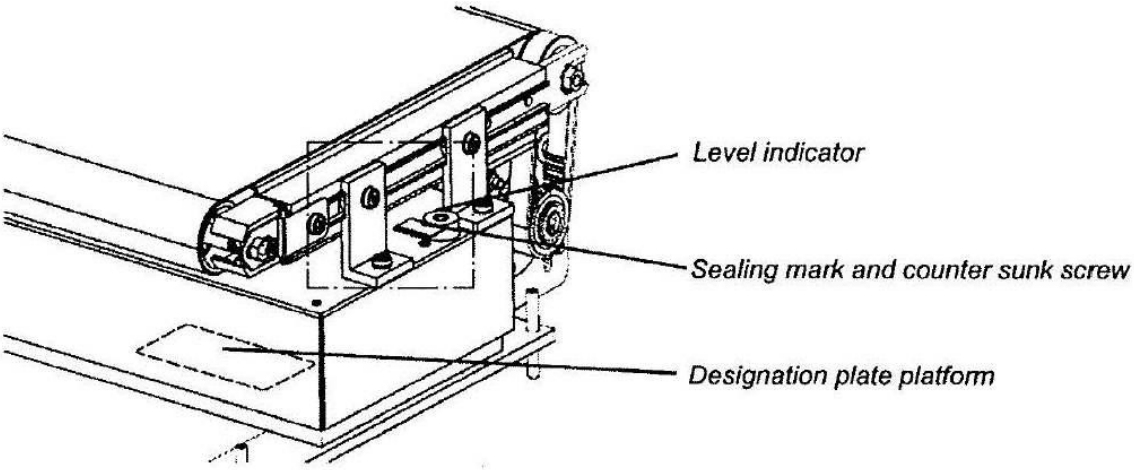
(a) Shown with cover



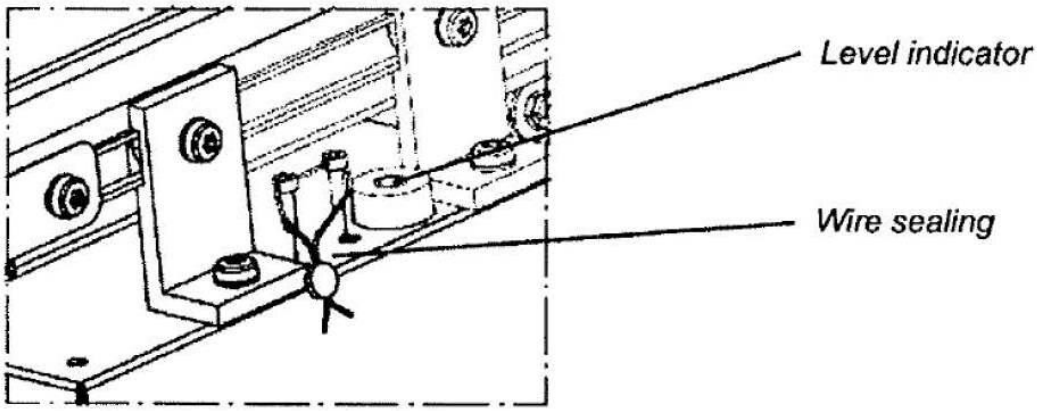
(b) Shown with cover removed

Model GLM-E Retail Automatic Catchweighing Instrument (Variant 13)

FIGURE 6/14G/20 – 16



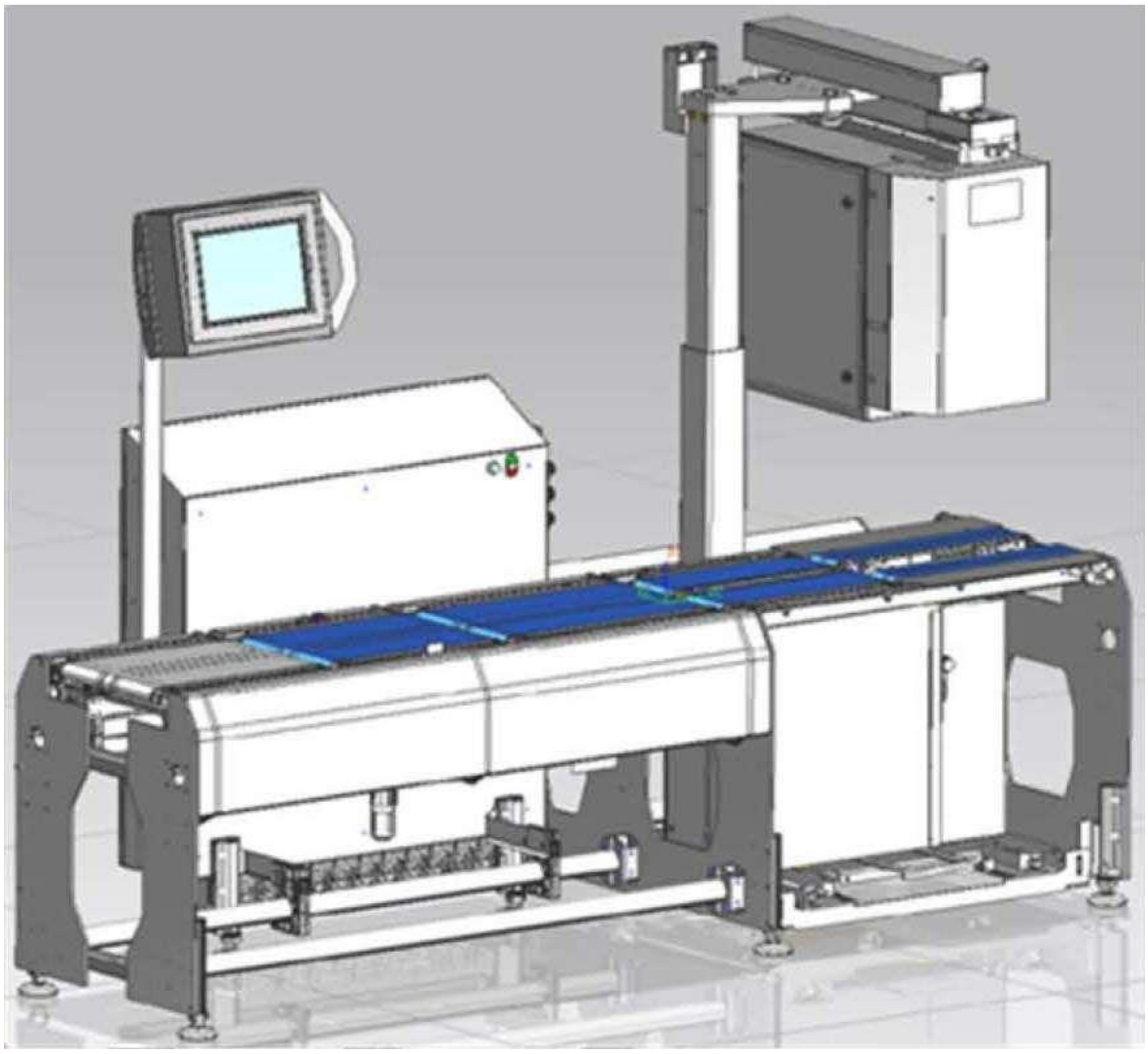
(a) Overview



(b) Detail

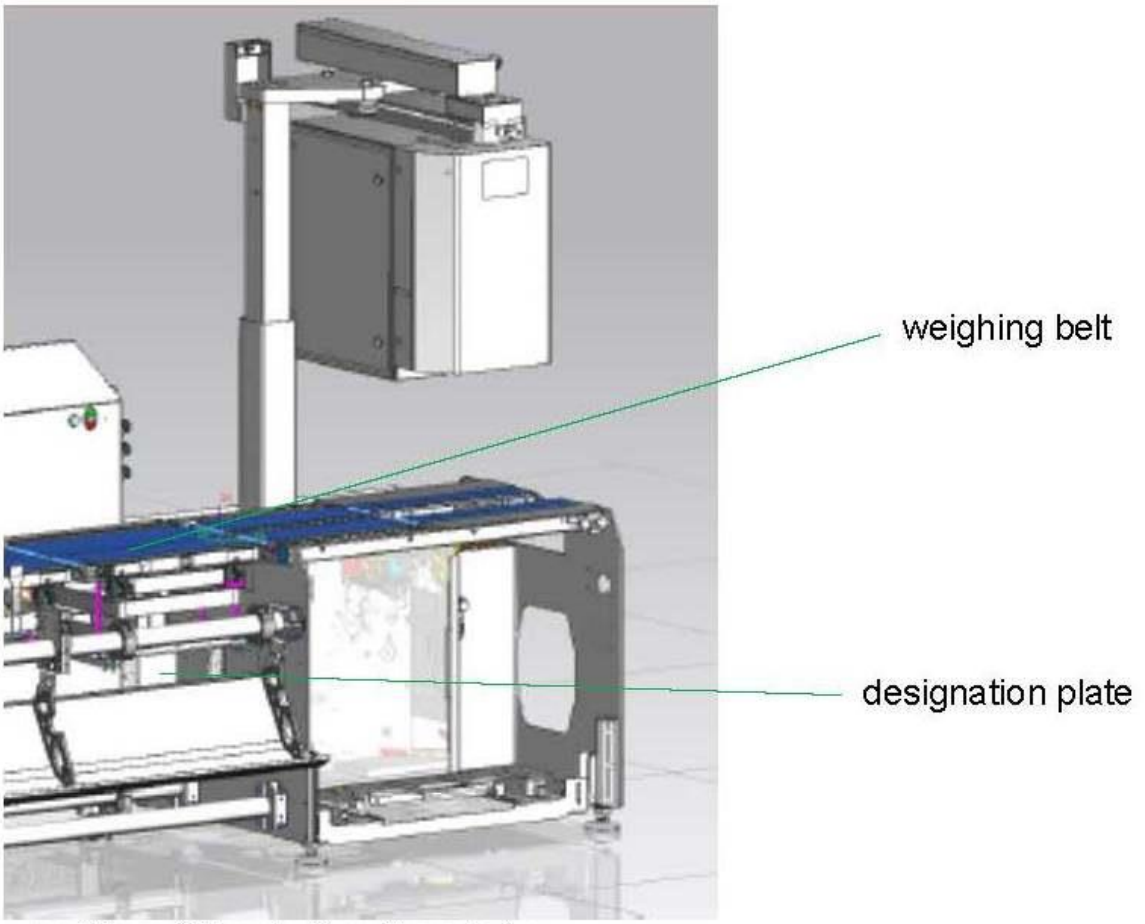
Typical Sealing Model GLM-E Retail Automatic Catchweighing Instrument (Variant 13)

FIGURE 6/14G/20 – 17

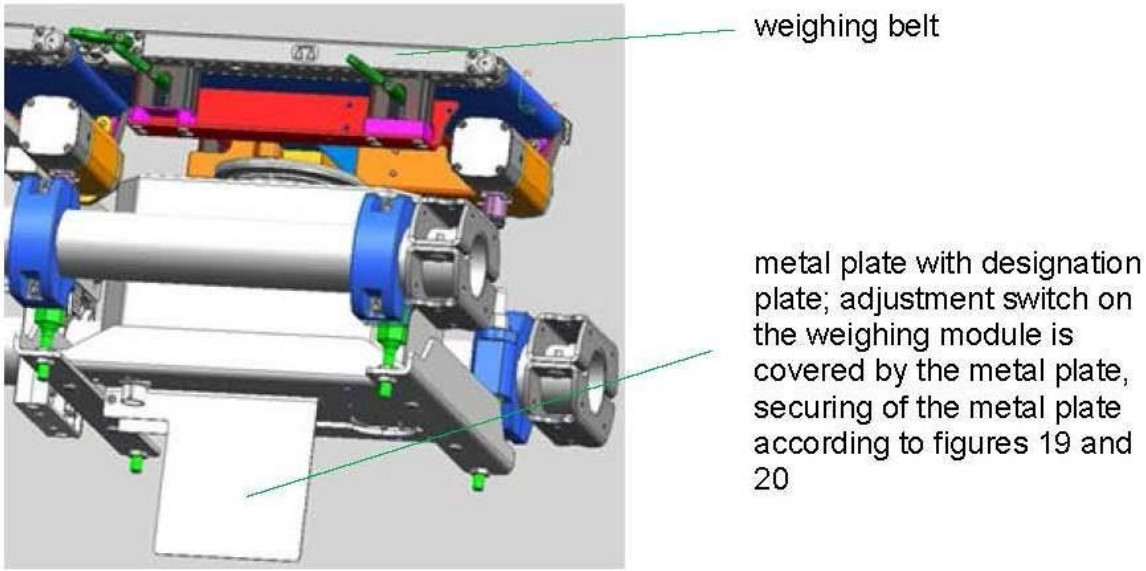


Bizerba Model **GLM-I^{evo}** Automatic Catchweighing Instrument (Variant 15)

FIGURE 6/14G/20 – 18



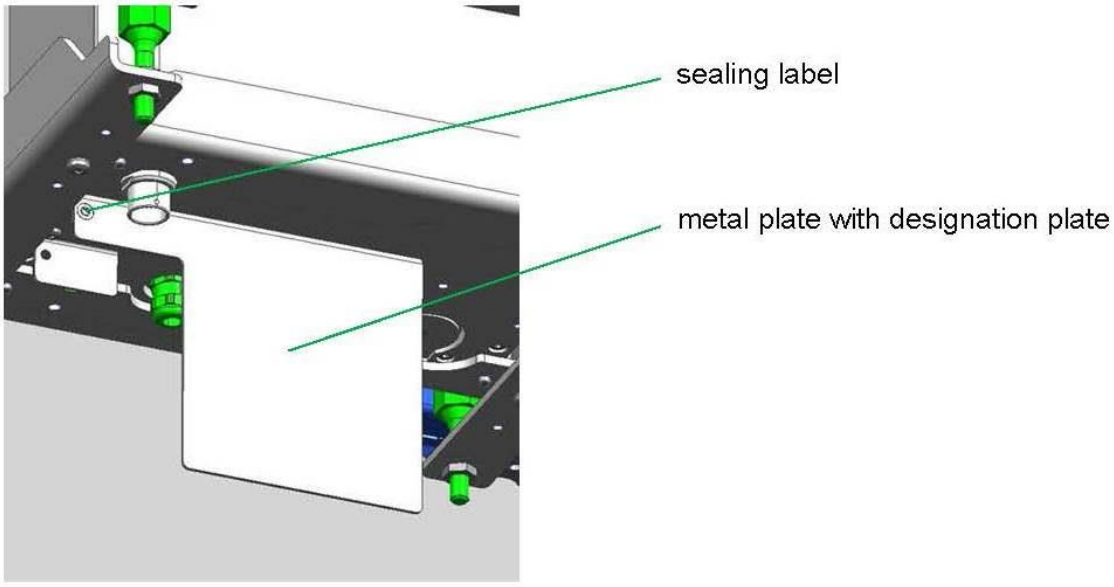
position of the designation plate



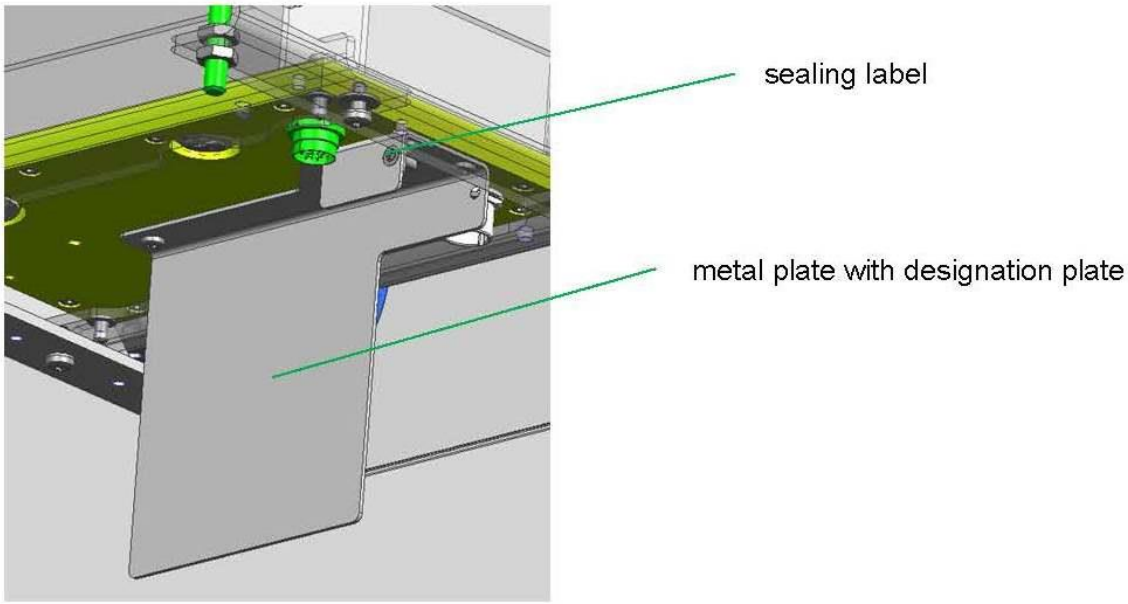
Typical Sealing Model **GLM-I^{evo}** (Variant 15) – location of metal plate over calibration adjustment switch

FIGURE 6/14G/20 – 19

BLE weighing platform with electromagnetic force compensation load cell



BLE weighing platform with direction of transportation from left to right

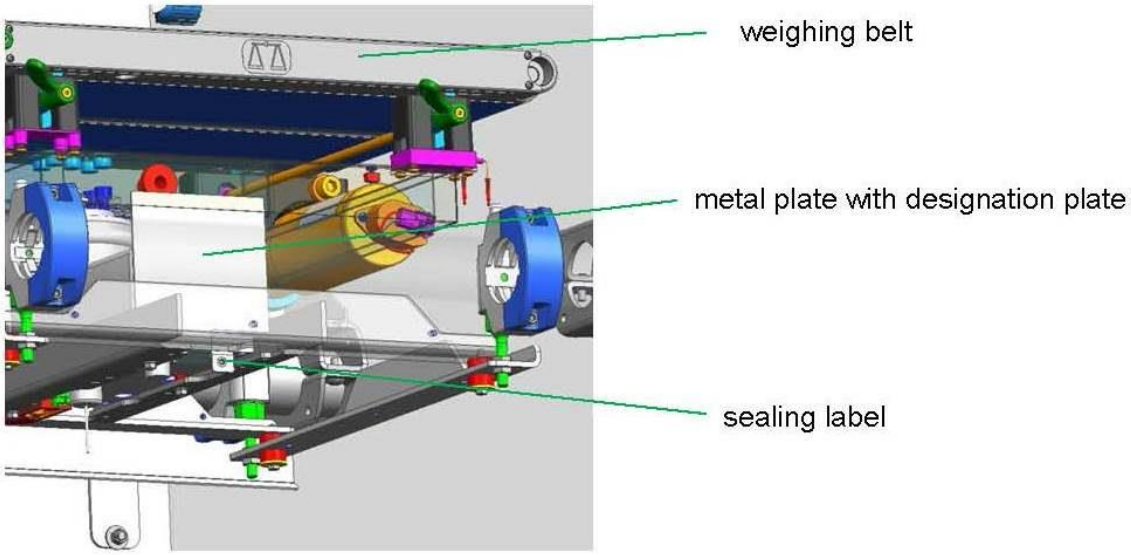


BLE weighing platform with direction of transportation from right to left

Typical Sealing Model **GLM-I^{evo}** (Variant 15) – model BLE weighing platform

FIGURE 6/14G/20 – 20

BLS Weighing platform with strain gauge load cell



Typical Sealing Model **GLM-I^{evo}** (Variant 15) – model BLS weighing platform

FIGURE 6/14G/20 – 21

Bizerba Model GLM-Emaxx Catchweighing Instruments (Variant 16)

FIGURE 6/14G/20 – 22

Model GT-7C and Model GT-12E Terminal/Indicator (Variant 16)

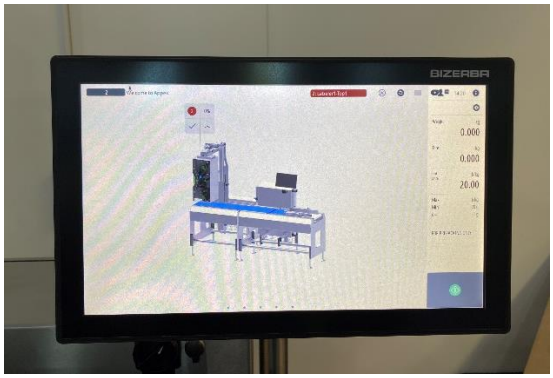
FIGURE 6/14G/20 – 23

Model i75 Terminal/Indicator (Variant 22)

FIGURE 6/14G/20 – 24

Model GLM-I G5 Catchweighing Instrument (Variant 23)

FIGURE 6/14G/20 – 25



Model GT-16C Terminal/Indicator (Variant 23)

~ End of Document ~