GB/US . . . . Digital Scale

Vers. 1.00

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CE



Guldmann™

GB/US . . . . Digital Scale

Item no.:
11346 & 113461

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1.00 Purpose and Use

1.01 Manufacturer

V. Guldmann A/S
Graham Bells Vej 21-23A
DK - 8200 Århus N
Tel. + 45 8741 3100
Fax. + 45 8741 3131

1.02 Description

The Digital Scale is a compact precision scale designed specially for use with mobile and ceiling mounted hoists for disabled persons.
Completely self-adjusting, it combines the latest microprocessor technology for measuring instruments and provides accurate repeated weight data with a calibrated accuracy of 0.1%.
Automatic resetting with the help of a push button makes weighing patients fast and easy.

1.03 Important/warning

- Read the user manual carefully before using the Digital Scale.

Safety instructions

- Please comply with the maximum capacity of the scale which is stated on the identification plate on the back of the device.



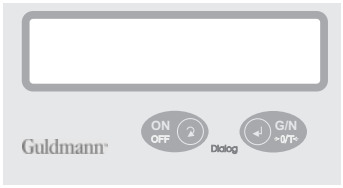
The maximum load of 250 kg/550 lbs. / 320 kg/704 lbs. must not be exceeded. The safety requirements and the notes on appropriate use must also be observed.

- The device must not be modified in any way that changes its design or construction with regard to safety without the express consent of the supplier. Any modification exempts the supplier from liability for any damage as a result of modification.
- It is strictly forbidden to carry out any repairs and soldering work on the motherboards or to replace any components. Repairs must only be undertaken by persons who are authorized and qualified to do so.
- Do not use the Digital Scale where there is a risk of water coming into direct contact with it.
- The display is not impact-proof, do not drop it.

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2.00 Description of functions

2.01 Labels on the Digital Scale

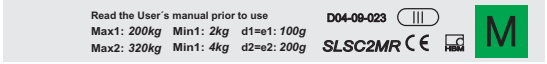


Guldmann™

No. 11346-1001-2005

V. Guldmann A/S, Graham Bells Vej 21-23A
DK-8200 Århus N, Tel. +45 8741 3151





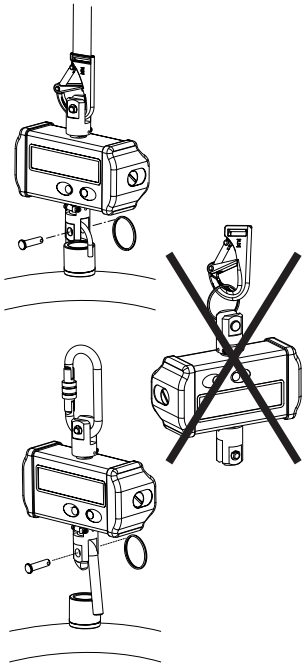
2.02 Use

1. **Using the digital scale with a ceiling hoist**
   Attach the digital scale to the snap hook on the ceiling hoist. Remove the spiral locking ring and the split pin. Attach the lifting hanger by inserting the split pin into the hook on the lifting hanger and then inserting the spiral locking ring.

   Hang the required sling on the lifting hanger and reset the digital scale to zero, see section 3. The display will now show 0.0.

2. **Using the digital scale with a mobile person hoist**
   The digital scale is attached to the mobile hoist with the help of the oval hook. Remove the spiral locking ring and the split pin. Attach the lifting hanger by inserting the split pin into the hook on the lifting hanger and then inserting the spiral locking ring.

   Hang the required sling on the lifting hanger and reset the digital scale to zero, see section 3. The display will now show 0.0.



3. Remove the sling from the hanger, place the user in the sling and hang it on the lifting hanger again.

4. Carefully lift the user. When the sling carrying the use is steady and freely suspended, the total weight will now be shown on the display.

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Important
Always reset the scale to zero after weighing the patient.

Important
The power conserving function will automatically turn off the display after 30 seconds when there is no weight on the scale. This can be changed – see section 3.07.

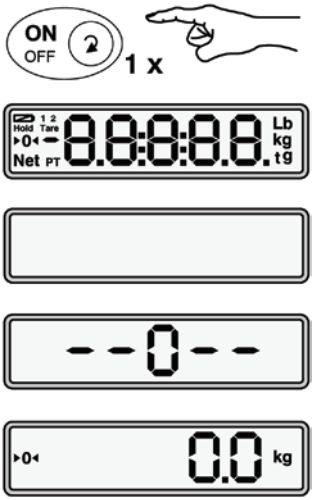
5. Carefully lower the user after reading the weight.

Caution
This device is intended to weigh patients during transfer (i.e.: bed to chair). In case the lifting height is reduced, it may be necessary to split the process in two. Start by weighing the user and remove the device, then make the final transfer (i.e. bed to chair). This device is NOT intended for use during patient transport and should be removed when moving a patient.

2.03 **More information**
If you have any questions or comments regarding the operation of the Guldmann Digital Scale, please contact your distributor.

3.00 Operation

3.01 **Switching on/weighing**
The scale is ready to use about 10 seconds after it has been switched on. During this time, the scale must neither be moved nor subjected to a load!



Switch on the scale

please wait

Display segment test
(~5 seconds)

Automatic resetting 1)
(~3 seconds)

Then all segments go off
(~2 seconds)

please wait

The scale is ready to use.
You can now use the scale.

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1) If the scale is switched on carrying a load (tare) of more than 20% of the weighing range, automatic resetting to zero will not take place. In this case, resetting must be performed manually (see chapter 3.02).

3.02 **Resetting/additive weighing**

Switch on the scale and wait ~10 seconds (see chapter 3.01).
Add the weight to be tared (e.g. belt).

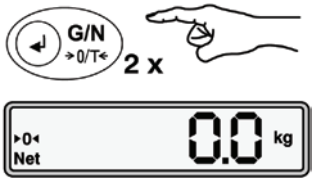


Resetting to zero

It is now possible to weigh the person with and without the sling

Keep pressing the G/N key to toggle between the scale zero and the gross weight.

Add more of the weight to be reset.



Resetting to zero

It is now possible to weigh the person with and without the sling

The first time the G/N key is pressed, the current total (gross) weight is displayed. Resetting to zero occurs when the G/N key is pressed again. You can repeat this as often as you like until the maximum weighing range of the scale is reached.

3.03 **Switching off**



Press the ON/OFF key to switch off the scale

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3.04 Error messages

Overload

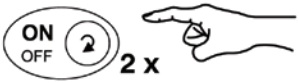


Scale overloaded!
Please comply with the rated load for the scale (see identification plate on the back of the device)

Underload



Switch the scale off and on again.



Battery status



The batteries must be replaced!

3.05 Changing the unit (kg <--> Lb)

Switch on the scale and wait ~10 seconds (see chapter 3.01).



Unit kg



Continue pressing for ~5 seconds



Unit Lb (American pounds)

The same method is used to change from Lb to kg.
The last unit set is retained even when the scale is switched off.

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3.06 Enhanced functions

3.07 Setting/modifying OFF time (Power Off)

Switch on the scale and wait ~10 seconds (see chapter 3.01).
Simultaneously pressing the **ON/OFF** and **G/N** keys enables standard function.

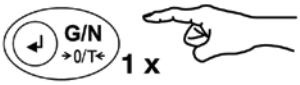


press simultaneously



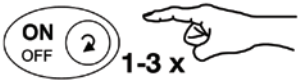


Standard function





OFF time (Power Off = automatic switching off)



Select by repeatedly pressing the **ON/OFF** key (digit flashes):



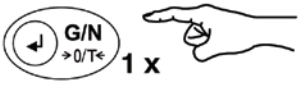
Can only be switched off manually (by means of the **ON/OFF** key)



Switches off automatically after 30 secs. (only if the scale is unloaded)



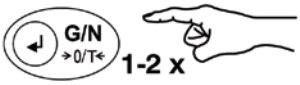
Switches off automatically after 60 secs. (only if the scale is unloaded)



Confirm the selection with the **G/N** key



At this point, you can check or change **PO** by pressing **ON/OFF** again.



Pressing once: Filter setting AF (see next page)



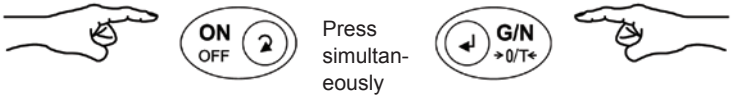
or pressing twice: back to weighing mode



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3.08 **Filter setting/filter change**
(Stabilizing the weight display)

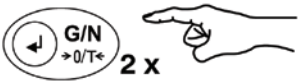
Switch on the scale and wait ~10 seconds (see chapter 2.01).
Simultaneously pressing the **ON/OFF** and **G/N** keys enables standard function



Press simultaneously

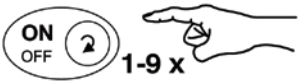


Standard function





Filter setting (amplifier filter)



Select by repeatedly pressing the ON/OFF key (digit flashes):



0 = Filtering switched off



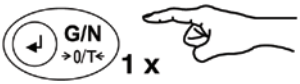
1 = low filtering:
+ very rapid weight display
-- the display flickers when the scale is moved



4 = average filtering (recommended):
+ fast weight display
+ steady display



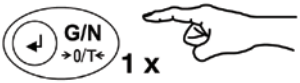
8 = very strong filtering:
+ Possible to weigh people who are unable to keep still
-- long waiting time until the weight or the zero-point of the scale is displayed steadily



Confirm the selection and confirm the settings with the **G/N** key



At this point, you can check or change **AF** by pressing **ON/OFF** again



Back to weighing mode



You can now use the scale

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4.00 **Transport**

Guldmann recommends that the Digital Scale be transported in its original packaging.

5.00 **Maintenance and storage**

5.01 **Cleaning**

It is only necessary to wipe the apparatus carefully with a damp cloth. Never use abrasive or caustic detergents.

5.02 **Storing**

The Digital Scale should be kept in a dry room

6.00 **Battery**

The digital scale is powered by four 1.5 V type AA batteries, and they have a useful lifetime of approximately 400 hours. Lines will appear on the display when it is necessary to replace the batteries, see section (3.04).

Replacing batteries

Unscrew the right-hand cover and insert the battery holder with batteries (4 x 1.5V - type AA), and make sure that they are inserted correctly as shown on the apparatus! Press the tray into the battery aperture and screw the cover on. The scale is now ready for use.



6.01 **Disposing of the digital scale and batteries**

Always comply with local and national rules. Batteries must always be delivered to an approved recycling depot.

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7.00 Technical specifications

Weight range

Item no. 113461 . . . . . 0 - 250 kg / 0 - 550 lbs
Item no. 11346 . . . . . 0 - 320 kg / 0 - 700 lbs
Display type . . . . . LCD

Display resolution

Item no. 113461 . . . . . 0.1 kg / 0.22 lbs
Item no. 11346 . . . . . up to 200 kg = 0.1 kg / 440 lbs = 0,22 lbs
Item no.11346 . . . . . over 200 kg = 0.2 kg / 440 lbs = 0,44 lbs
Display accuracy . . . . . ±0,1%
Size (H x L x W). . . . . 77x103x77 mm/3”x4”x3”
Weight . . . . . 0.7 kg / 1,54 lbs
Battery . . . . . 4 x 1,5 V Type AA
Battery life . . . . . 400 hours

8.00 Calibration/verification of digital scale, item No. 11346

In order to maintain the medical approval the digital scale must be calibrated/ verified according to national regulatory requirements at an accredited testing institute.

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9.00 EC declaration of conformity

CE

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EC-DECLARATION OF CONFORMITY

Manufacturer	V. Guldmann A/S Graham Bells Vej 21-23A DK-8200 Aarhus N EAN country code: 57 EAN distribution No.: 07287 Phone +45 8741 3100 Fax +45 8741 3131
Representative	Company
	Address
	Country
	Phone
Hereby declare that	Product **Digital Scale**
	Type No. **XXXXX-YYYY-ZZZZ** x)

x) *XXXXX: Reference No. of the product, YYYY: Serial No. of the product in the production year, ZZZZ: Production year*

was manufactured in conformity with the provisions in the Council Directive 93/42/EEC of 14 June 1993.

Furthermore, reference is made to declaration of conformity No. 230/09.2004 and 231/09.2004 from Hottinger Baldwin Messtechnik Gmbh.

Skejby 01.07.2005

Place and day of issue

Product responsible

Technical Manager

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HBM

Hottinger Baldwin Messtechnik GmbH

Im Tiefen See 45 - D-64293 Darmstadt
Tel. ++49/6151/803-0, Fax. ++49/6151/803-9100

Konformitätserklärung — *Declaration of Conformity* — *Déclaration de Conformité*

Document: ***230/09.2004***

Wir, We, Nous,

Hottinger Baldwin Messtechnik GmbH, Darmstadt

erklären in alleiniger Verantwortung, dass das Produkt

declare under our sole responsibility that the product

déclarons sous notre seule responsabilité que le produit

Waagentypen

SLSC2, SLSC2MR

auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokument(en) übereinstimmt (siehe Seite 2) gemäß den Bestimmungen der Richtlinie(n)

to which this declaration relates is in conformity with the following standard(s) or other normative document(s) (see page 2) following the provisions of Directive(s)

auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s) (voir page 2) conformément aux dispositions de(s) Directive(s)

89/336/EWG - Richtlinie des Rates vom 3. Mai 1989 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit, geändert durch 91/263/EWG, 92/31/EWG, 93/68/EWG und 93/97/EWG

90/384/EWG - Richtlinie des Rates vom 20. Juni 1990 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über nichtselbsttätige Waagen

Diese Konformitätserklärung gilt nur in Verbindung mit einer Bescheinigung der EG-Bauartzulassung einer benannten Stelle.

This declaration of conformity is only valid in conjunction with an EC type-approval of a notified body.

Cette délaration de Conformité est valide seulement avec un certificat d'approbation CE de type d'un organisme notifié.

Zulassungsnummer: D04-09-023

Nº of type-approval: D04-09-023

Nº d'approbation: D04-09-023

Erstmalige Anbringung der CE-Kennzeichnung: 2004

First attachment of the CE mark: 2004

Première application de la marque CE: 2004

Die Absicherung aller produktspezifischen Qualitätsmerkmale erfolgt auf Basis eines von der DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) seit 1986 zertifizierten Qualitätsmanagementsystems nach DIN ISO 9001 (Reg. Nr. DQS-000001). Die Überprüfung der sicherheitsrelevanten Merkmale (Elektromagnetische Verträglichkeit, Sicherheit elektrischer Betriebsmittel) führt ein von der DATech erstmals 1991 akkreditiertes Prüflaboratorium (Reg. Nr. DAT-P-006 und DAT-P-012) unabhängig im Hause HBM durch.

All product-related features are secured by a quality system in accordance with DIN ISO 9001, certified by DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) since 1986 (Reg. No. DQS-000001). The safety-relevant features (electromagnetic compatibility, safety of electrical apparatus) are verified at HBM by an independent testing laboratory which has been accredited by DATech in 1991 for the first time (Reg. Nos. DAT-P-006 and DAT-P-012).

Chez HBM, la détermination de tous les critères de qualité relatifs à un produit spécifique est faite sur la base d'un protocole DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) certifiant, depuis 1986, notre système d'assurance qualité selon DIN ISO 9001 (Reg. Nr. DQS-000001).
De même, tous les critères de protection électrique et de compatibilité électromagnétique sont certifiés par un laboratoire d'essais indépendant et accrédité depuis 1991 (Reg. Nr. DAT-P-006 et DAT-P-012).

Darmstadt, 2004-09-09

Roland Seebauer

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Dr. Wolfgang Bauch

QVI051.P1.06

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	Document: ***230/09.2004***	
Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.	This declaration certifies conformity with the Directives listed above, but is no asseveration of characteristics. Safety directions of the delivered product documentation have to be followed.	Cette déclaration atteste la conformité avec les directives citées mais n´assure pas un certain charactère. S.v.p. observez les indications de sécurité de la documentation du produit ajoutée.
Folgende Normen werden zum Nachweis der Übereinstimmung mit den Vorschriften der Richtlinie(n) eingehalten:	The following standards are fulfilled as proof of conformity with the provisions of the Directive(s):	Pour la démonstration de la conformité aux disposition de(s) Directive(s) le produit satisfait les normes:

EN 45501 : 1992 ***Metrologische Aspekte nichtselbsttätiger Waagen;*** Deutsche Fassung

EN 61326 : 1997 + A1 : 1998 + A2 : 2001 ***Elektrische Betriebsmittel für Leittechnik und Laboreinsatz*** - EMV-Anforderungen; Deutsche Fassung

CE

QV1051-F1.06

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HBM

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Konformitätserklärung — Declaration of Conformity — Déclaration de Conformité

Document: ***231/09.2004***

Wir, We, Nous,

Hottinger Baldwin Messtechnik GmbH, Darmstadt

erklären in alleiniger Verantwortung, dass das Produkt

declare under our sole responsibility that the product

déclarons sous notre seule responsabilité que le produit

Waagentyp

SLS

auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokument(en) übereinstimmt (siehe Seite 2) gemäß den Bestimmungen der Richtlinie(n)

to which this declaration relates is in conformity with the following standard(s) or other normative document(s) (see page 2) following the provisions of Directive(s)

auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s) (voir page 2) conformément aux dispositions de(s) Directive(s)

89/336/EWG - Richtlinie des Rates vom 3. Mai 1989 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit, geändert durch 91/263/EWG, 92/31/EWG, 93/68/EWG und 93/97/EWG

Die Absicherung aller produktspezifischen Qualitätsmerkmale erfolgt auf Basis eines von der DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) seit 1986 zertifizierten Qualitätsmanagementsystems nach DIN ISO 9001 (Reg. Nr. DQS-000001). Die Überprüfung der sicherheitsrelevanten Merkmale (Elektromagnetische Verträglichkeit, Sicherheit elektrischer Betriebsmittel) führt ein von der DATech erstmals 1991 akkreditiertes Prüflaboratorium (Reg. Nr. DAT-P-006 und DAT-P-012) unabhängig im Hause HBM durch.

All product-related features are secured by a quality system in accordance with DIN ISO 9001, certified by DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) since 1986 (Reg. No. DQS-000001). The safety-relevant features (electromagnetic compatibility, safety of electrical apparatus) are verified at HBM by an independent testing laboratory which has been accredited by DATech in 1991 for the first time (Reg. Nos. DAT-P-006 and DAT-P-012).

Chez HBM, la détermination de tous les critères de qualité relatifs à un produit spécifique est faite sur la base d'un protocole DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen) certifiant, depuis 1986, notre système d´assurance qualité selon DIN ISO 9001 (Reg. Nr. DQS-000001).
De même, tous les critères de protection électrique et de compatibilité électromagnétique sont certifiés par un laboratoire d´essais indépendant et accrédité depuis 1991 (Reg. Nr. DAT-P-006 et DAT-P-012).

Darmstadt, 2004-09-09

Roland Seebauer

Dr. Wolfgang Bauch

GV1001-F.L06

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Document:	***231/09.2004***	
Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.	This declaration certifies conformity with the Directives listed above, but is no asseveration of characteristics. Safety directions of the delivered product documentation have to be followed.	Cette déclaration atteste la conformité avec les directives citées mais n´assure pas un certain charactère. S.v.p. observez les indications de sécurité de la documentation du produit ajoutée.
Folgende Normen werden zum Nachweis der Übereinstimmung mit den Vorschriften der Richtlinie(n) eingehalten:	The following standards are fulfilled as proof of conformity with the provisions of the Directive(s):	Pour la démonstration de la conformité aux disposition de(s) Directive(s) le produit satisfait les normes:

EN 61326 : 1997 + A1 : 1998 + A2 : 2001 ***Elektrische Betriebsmittel für Leittechnik und Laboreinsatz*** - EMV-Anforderungen; Deutsche Fassung

CE

QV1205-F1.06

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U.S.A. and countries outside the EU

A. **USERS GUIDE Digital Scale**

Please read all warranty information and this entire chapter before use of the product.

B. **WARRANTIES**

The Guldmann lifting equipment is designed to be used for the lifting, transferring, and transporting of persons who are physically challenged or incapacitated and who are not able to physically self transfer.

If the product is used in an irresponsible manner or for any use other than that described above or in the enclosed written instructions, the manufacturer's warranty will be nullified and rendered void.

There are no warranties which extend beyond the description in the enclosed written instructions.

Guldmann warrants that its lifting equipment is free from defects in materials and workmanship under normal use. Guldmann warrants that the lifting equipment itself will perform substantially in accordance with the specifications set forth in the documentation provided with the equipment.

The above express warranties are made for a period of 365 days from the date the lifting equipment is delivered to you as the first user.

Your distributor will replace any lifting equipment which proves defective in materials or workmanship, without additional charge, on an exchange basis.

Your distributor will either replace or repair without additional charge any Guldmann lifting equipment that does not perform in substantial accordance with the specifications of the documentation.

Guldmann does not warrant that the functions contained in the lifting devices will meet your requirements or that the operation of the services will be uninterrupted or error-free. The warranty does not cover any of the part of the lifting equipment which has been subject to damage or abuse by you. The warranty does not cover any part of the lifting equipment which has been altered or changed in any way by you or others. Guldmann is not responsible for problems caused by changes in the operating charasteristics of the operating system which are made after the delivery of the lifting equipment. Any implied warranties including any warranties of merchant ability or fitness for a particular purpose are limited to the terms of the express warranties.

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Guldmann shall not in any case be liable for special, incidental, consequential, indirect or other similar damages arising from any breach of these warranties even if Guldmann or its agent has been advised of the possibility of such damages.

You must call Guldmann or your distributor for an authorization to return any defective item during the warranty period. If your distributor is unable to correct your problem by telephone, you will be provided with a return authorization number and address for returning the defective item for warranty service or replacement. You must insure any defective item being returned as Guldmann does not assume the risk of loss or damage while in transit. Do not return items or warranty service to Guldmann.

The warranties set forth above are in lieu of all other express and implied warranties, whether oral, written or implied, and the remedies set forth above are your sole and exclusive remedies.
Only an authorized officer of Guldmann may make modifications to this warranty, or additional warranties binding on Guldmann. Accordingly, additional statements such as advertising or presentations, whether oral or written, do not constitute warranties by Guldmann and should not be relied upon as such. The warranty gives you specific legal rights, and you may also have the other rights which vary from state/country to state/country.

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