

SERVICE

MANUAL

Plaster Silo

WGS-25 T/W



Fig 1: WTS 25-W

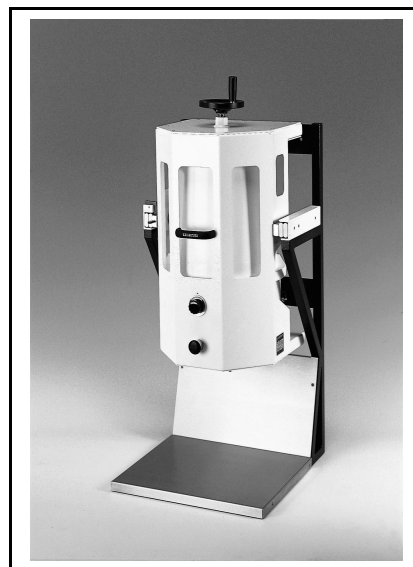


Fig 2: WTS 25-T

WASSERMANN
DENTAL-MASCHINEN



Dear Customer,

we appreciate your decision to select a unit of the Wassermann product range. Wassermann Dental - Maschinen provides the highest quality and latest technology. To ensure optimum performance for many years and to get familiar with the various functions, please read these service manual carefully before using and always operate the unit accordingly.

Please keep these service manual for future reference.

Company address:

Wassermann Dental-Maschinen GmbH

Rudorffweg 15-17

D-21031 Hamburg

Germany

Tel.: +49 (0)40/730 926-0 Fax.: +49 (0)40/730 37 24

email: info @ wassermann-dental.com

URL: <http://www.wassermann-dental.com>

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1 Features

The plaster silo allows the keeping of all kind of plasters, embedding materials and pounces in a totally dry environment free from dirt and pollution. To retrieve stored material, simply press the knob and, thanks to an electro-vibrating device, the material flows out constantly under close control, free from any lumps due to integrated frequency control. The special “Clou” is the built-in tilting mechanism, which makes refilling a child’s play. You only have to replace the entire storage bin. This silo is a perfect addition to our Dosing Scales DSW-1.

2 For your own safety

2.1 *Read the service manual carefully*

Handling and operation of this unit requires detailed knowledge and attention as explained in these service manual. This unit is designed only for the described purpose.

Especially important notes are marked as follows:



Warning !

This is a warning indicating risk and hazard situations. Ignorance can cause danger to life. These warnings must always be heeded.



Information !

This information refers to important features you have to consider.

2.2 Safety Instructions



This unit is designed for AC 220-240 V / 50/60 Hz only. Make sure that the unit is always operated with the correct voltage.

Disconnect the power plug before doing any service or repairs.

2.3 Reliability for functionality and damages

The reliability for the functionality of the unit depends upon the owner or operator, whether the unit will be serviced, repaired or altered improperly by persons not belonging to an authorized service company or when it is used for other than the described purpose.

The unit must be operated and serviced according to these service manual. For damages incurred due to negligence of these notes, Wassermann Dental-Maschinen GmbH cannot be held responsible.

Warranty and reliability conditions of the terms of sale and delivery of the Wassermann Dental-Maschinen GmbH are not extended by the above mentioned notes.



Please keep these service manual in an easily accessible place and take care that they will be read and understood.

3 Application

The plaster silo is designed to store all kind of plasters, embedding materials and pounces in a dry environment protected from dirt. By simply pressing a knob, the material flows out constantly under close control, free from any lumps.

4 Before Starting

4.1 Unpacking / Transport

- Remove all packing material and place the unit on an even and stable surface. Make sure that all accessories are included (see “Specification”).
- Before moving the unit, please make sure that it is disconnected from the power source. To avoid unnecessary transport damages, please pay attention to proper packing when transporting the unit.

4.2 Installation / Storage

- Place the unit in a horizontal position.
- Do not place the unit outdoors.
- Place the unit so that the work area is freely accessible and so that operation is not restricted. (Please consider the structural dimensions.)
- In case of long-term storage, the unit must be protected against humidity and dust.

• Model WGS-25W with wall holder

Screw the unit with the supplied mounting kit onto a stable, bearing wall in the desired height level.

4.3 Initial Filling / Refilling

1. Loosen the lock bolt and pull out the silo by holding it by the handle until the lock bolt locks again.
 2. Loosen the lever and rotate the silo 180° until the lever locks again.
 3. Crank the handle downwards until the storage bin becomes free.
 4. Fill the empty storage bin and place it inside the silo again.
 5. Crank the handle upwards until the storage bin is placed firmly.
 6. Loosen the lock bolt, turn the silo 180° until the lever locks again.
 7. Loosen the lock bolt and push the silo back by holding it by the handle until the guide bolts, connections and lock bolts lock again properly.
-

5 Starting

- Connect the power plug to a power outlet (220-240 V / 50/60 Hz).
- The unit is now ready for operation.
- Remove the rubber stopper at the lower outlet.
- Place the storage bin for plaster, embedding material, etc. under the outlet.
- Now it is possible to retrieve material by pressing the lower knob.
- The upper knob with the round arrow is provided to adjust the vibrating intensity.
- To stop operation disconnect the power plug.

i

Disconnect the power plug when not using the unit for a long period of time.

6 Operation

1. Remove the rubber plug.
 2. Press the mushroom-type knob.
 3. Adjust the desired vibrating intensity with the regulator above.
 4. Hold down the mushroom-type knob until the desired quantity is received.
-

7 Troubleshooting / Remedies

Symptom / Trouble	POSSIBLE CAUSE	POSSIBLE SOLUTION
No vibrations.	Power plug is not connected.	Check the power plug and connect it.
	Plug connection is not locked.	Check the plug connection and relock.
No plaster comes out.	The rubber stopper is not removed.	Check the rubber stopper and remove it.
	Storage bin is empty.	Check the storage bin and refill it.

i If the trouble persists, please contact your dealer or our service department.

8 Servicing

8.1 Cleaning

To ensure continuous proper operation the unit must be cleaned regularly.

8.2 Maintenance

The plaster silo does not require any special maintenance. You only have to pay attention so that the unit is always kept clean.

8.3 Warranty

The warranty period for all our units is 6 months. Should trouble occur during this time, please inform your dealer or contact our service department.

Damage, caused by improper use, external mechanical influences, transport damages as well as alterations made by unauthorized persons is not covered by this warranty.

8.4 Spare parts and Accessories

If necessary please contact our service hotline phone:

0049 (0)40 / 730 92 6-0

Included in delivery	Item no.:
25 kg supply container	---
Accessories	Item no.:
25 kg supply container with lid	390030

8.5 Repairs

All service and repair works should be referred to qualified service personnel only. For replacement, use only original Wassermann parts. The product liability expires if any modifications or alterations have been made by others as well as if non-original spare parts are used.

9 Specifications

Specifications Plaster Silo WGS-25 T/W:

WGS-25 T	Item no.: 166998
WGS-25 W	Item no.: 166999*
Voltage*	220–240 V / 50/60 Hz
Power consumption	0.3 A
Output	70 W
W x H x D /max. D	445 x 1065 x 400 mm / max. 790 mm 445 x 910 x 400 mm / max. 790 mm *
Weight	43.6 kg 37.8 kg*
Sound level	≤ 70 dB(A)



Specifications and design are subject to change without notice.

EC conformity certificate

in accordance with 2006/95/EG (low-voltage guidelines) and 2004/108/EG (EMV guidelines) and 2006/42/EG (machinery guidelines)

Manufacturer:	W A S S E R M A N N Dental-Maschinen GmbH Rudorffweg 15 - 17 D-21031 Hamburg	Product description:	Plaster Silo for storage of plaster and investment material in dental laboratories.
Machine type:	Plaster Silo WGS-25T Plaster Silo WGS-25W		(166998) (166999)
Applicable standards:	EN 61010-1 DIN EN 61000-6-3 DIN EN 61000-6-1 DIN 45635-1 DIN EN 60335-1		

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EG-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above-mentioned machine complies with the described EC rules. This declaration becomes invalid if the machine is modified without our approval.

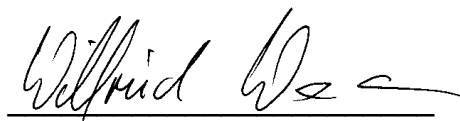
Cette machine est conforme aux normes en vigueur de la Communauté Européenne. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los límites requeridos por el reglamento EC. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

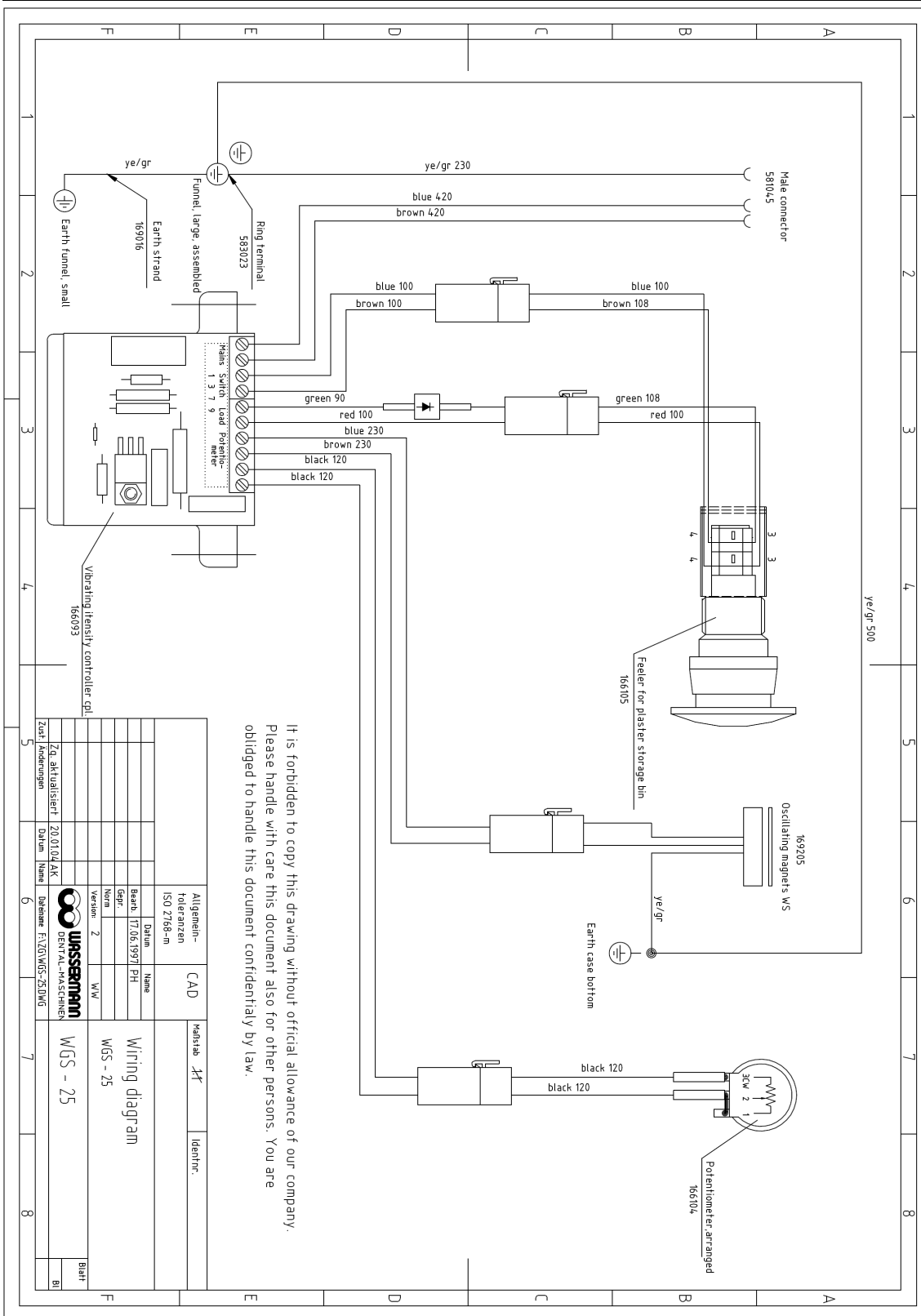
Place, date: Hamburg, 06.03.2013

Company stamp :

Signed: 
Wilfried Wassermann
(Managing Director)



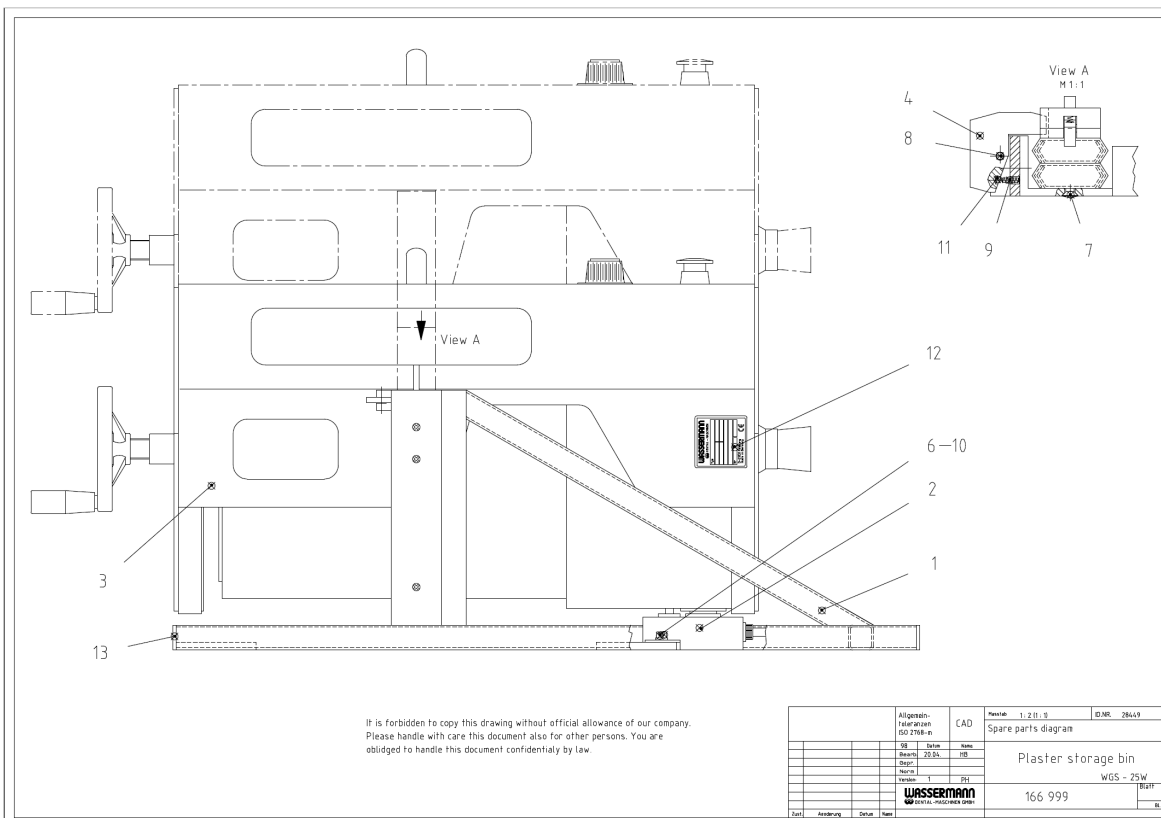
Wiring diagram



It is forbidden to copy this drawing without official allowance of our company.
Please handle with care this document also for other persons. You are obliged to handle this document confidentially by law.

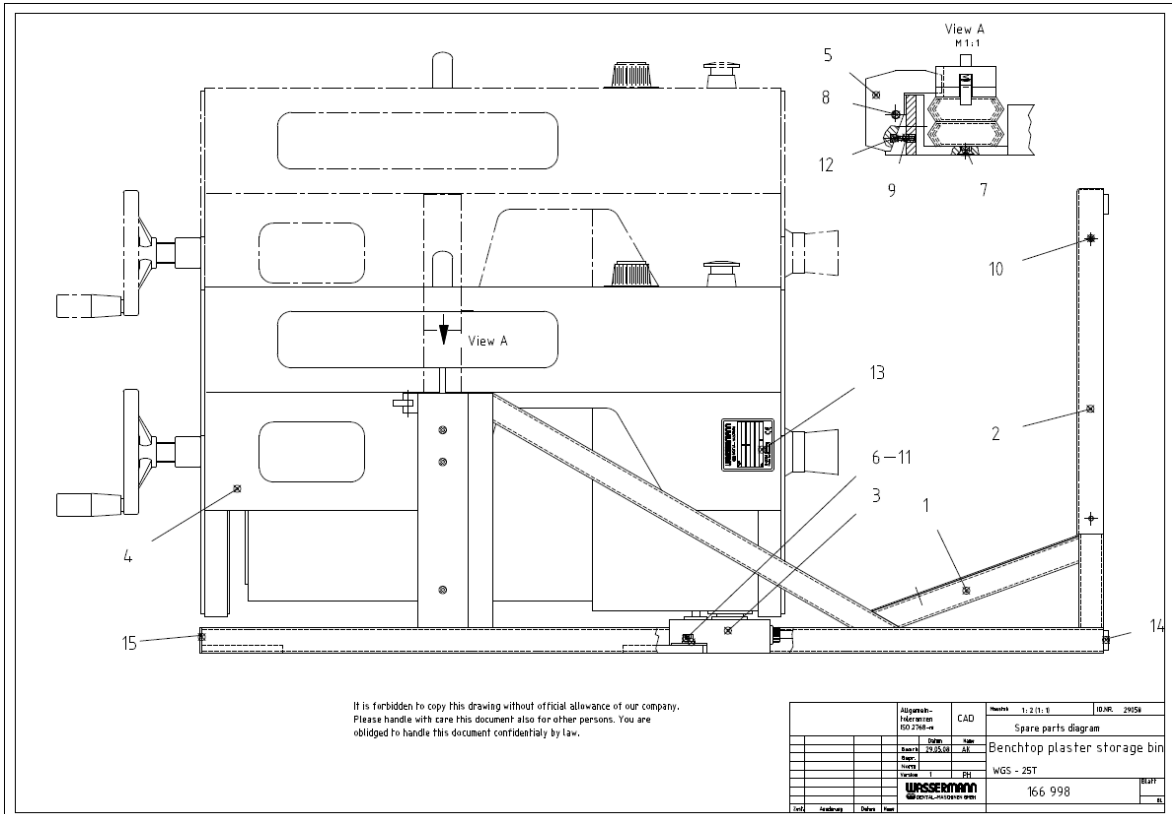
Zust. Änderungen	Datum	Name	Datum	Name
Zu. aktualisiert	20.01.04	AK		
Allgemein-Toleranzen ISO 2768-m			CAD	
Bauteil: 17.06.1997 PH			Master: 4R	
Gepr.:			Identif.:	
Norm:			Wiring diagram	
Version: 2			WGS - 25	
WW			WGS - 25	
WASSERMANN DENTAL-MASCHINEN			Blatt	
Dateiname: F:\ZD\WGS-25DWG			Bl.	

Spare part diagram WGS-25 W



Lfd. Pos.	Stck	Beschreibung	Material	Zg. Nr.
1	1	Wall frame		166 020
2	1	Terminal box, assembled		166 060
3	1	Case assembled		166 070
4	1	Lever		166 083
5	1	Mounting set		166 094
6	2	Screw DIN 912 M6 x 12	St Zn	200 228
7	6	Screw DIN 966 M4 x 8	VA	201 116
8	1	Cylinder pin DIN 7 4m6 x 20	St	203 038
9	1	Cylinder pin DIN 7 2m6 x 8	VA	203 048
10	2	Washer DIN 125 A6,4		204 049
11	1	Pressure Spring 2,85 x 0,3 x 14		250 036
12	1	Type plate 52 x 52		310 035
13	4	Cap for VKT-tube		392 042
14	1	Packaging wall-mounted plaster storage bin		673 069

Spare part diagram WGS-25 T



Lfd.Nr.	Stck.	Beschreibung	Material	Zg.Nr.
1	1	Table frame		166 010
2	1	Cover sheet		166 026
3	1	Terminal box, assembled		166 060
4	1	Case, assembled		166 070
5	1	Lever		166 083
6	2	Screw DIN 912 M6 x 12	St Zn	200 228
7	6	Screw DIN 966 M4 x 8	VA	201 116
8	1	Cylinder pin DIN 7 4m6 x 20	St	203 038
9	1	Cylinder pin DIN 7 2m6 x 8	VA	203 048
10	6	Blind rivet D4 x 6	VA	203 105
11	2	Washer DIN 125 A6,4		204 049
12	1	Pressure spring 2,85 x 0,3 x 14		250 036
13	1	Type plate 52 x 52		310 035
14	4	Rubber foot D20 - H5 SW		392 004
15	2	Cap for Vkt-tube		392 042
16	1	Packaging benchtop plaster storage bin		673 070





WASSERMANN Dental-Maschinen GmbH
Rudorffweg 15 – 17, D-21031 Hamburg

Tel.: + 49 (0)40 / 730 926 – 0

Fax: +49 (0)40 / 730 37 24

e-mail: info@wassermann-dental.com

Internet: <http://www.wassermann-dental.com>