

New Plaster Master

A must have for every Hospital

USER'S MANUAL AND MAINTENANCE GUIDE



CE

14-5-2018

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1. GENERAL INFORMATION

MANUFACTURER

Wesseling BV, Venenweg 31, 1161 AK Zwanenburg, Netherlands-Tel.+31 204975183-Fax+31 204975909 - website:www.wesseling-bv.com

EQUIPMENT INTENDED USE AND DESCRIPTION

The New Plaster Master table is intended for examining and treating patients. With the additional options this table can be used for every plaster technique. The entire frame is epoxy powder coated and the top is upholstered and covered in fireproof synthetic leather. It's equipped with an electric backrest, electric upper-body section and electric height adjustment. All are adjustable by means of a triple foot control. Upper leg section as well as lower leg section can be inclined with the help of gas springs. The gas springs are all adjusted by handles that are easy to access on both sides of the table. The brakes and lock are centrally controlled by means of a foot pedal that is easy to activate.

STORAGE

When storing, the following conditions must be met: 1. relative humidity 10% / 90% - temperature $-10^{\circ}C / +50^{\circ}C$

SYMBOLS

The various symbols appearing in this manual and on the equipment itself are meant to draw the user's attention on important safety warnings and useful information. Please observe all warning, caution and hazard notices.

WARNING Warning messages are used to advise users/patients about any risk of injury or danger if the specified procedures and conditions are not carefully observed during operation or maintenance activities.
CAUTION Caution symbols are used to advise users about an operation or maintenance procedure, best practice or condition that may damage the equipment if not duly complied with.

14-5-2018 2. SPECIAL WARNINGS AND USE RESTRICTIONS

	Equipment must not be used:				
	• Without knowing the user's manual.				
—	• When the safety load exceeds the stated capacity.				
	• Without the patient being monitored.				
	• When the patient and/or equipment is not stable enough.				
	• When table is not on its feet when stopped, during treatment, or when patient is moved to/from other equipment.				
	• When the original product has been tampered with and/or modified from its original configuration.				
	• When the controls and/or components are even only partially faulty or defective.				
	• When incorrectly configured or when you think it may cause damage to a patient or user.				
	• Do not allow any body parts to enter the areas with moving components and/or controls.				
	• Foam rubber and plastic components may burn if they come in contact with naked flames.				
Corrosive and/or abrasive detergents may damage the covers and paintwork.					
	• The equipment is not suitable for use outdoors and/or in surfaces that are not smooth enough.				
!!!!!!!!!!	NEVER LEAVE THE TABLE UNATTENDED WHEN THERE IS A PATIENT ON IT !!!!!!!!!!				

3. USE

STARTING UP

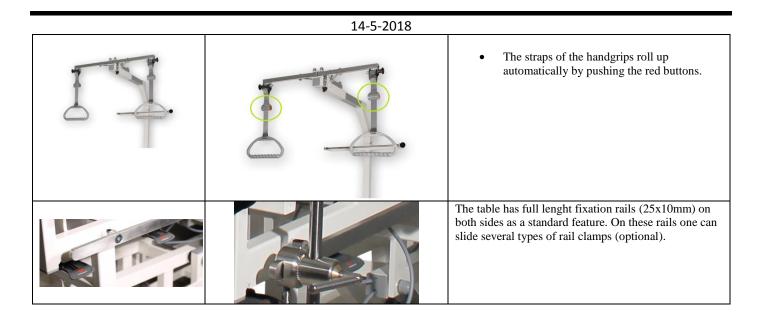
For packaging reasons the couch is supplied covered by protective means that are to be removed, avoiding direct contact with cutters that could damage it. Any damage in transit must be reported to the transporter and seller immediately, without using the equipment for safety reasons.

SETTING UP AND ADJUSTMENTS

The table has electric actuators for the complete table, for the upper body section, and for the back section. The leg sections are all individually fitted with gas springs.

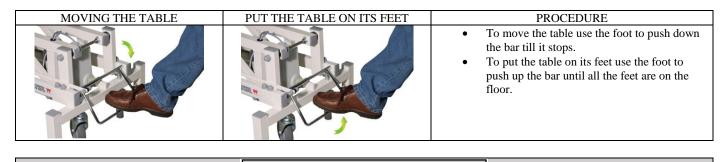
ADJUSTMENT/FUNCTION	CONTROL	PROCEDURE
	A NE LUN	At both sides of the table is a triple foot-switch.
		Push the relevant symbol to adjust the height of the entire table. Use the switch which is closest to the lower leg-rests.
		Push the relevant symbol to adjust the height of the upper body-frame. Use the center switch.
	¢ <u>}</u> ° ĵ	Push the relevant symbol to adjust the angle of the backrest. Use the switch which is closest to the backrest.

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ADJUSTMENT/FUNCTION	CONTROL	PROCEDURE			
		To adjust the lower leg sections pull the control handle, and support the section as it moves. Release the handle to secure the position. WARNING Image: Image			
		To adjust the upper leg sections pull the control handle, and support the section as it moves. Release the handle to secure the position.			
		 To create room for applying a plastercorset or a " Durchhangcorset " when laying prone, the pelvic support can be removed: First put the upper body-frame into its highest position by pushing the relevant symbol on the triple foot-switch. Release the black handscrew at the left side of the backrest. Pull out the lockpin which is located at the right side of the backrest. Now the sit-cushion with its supporting frame can be removed. To put back the pelvic support again, please take the same steps in reverse order. 			
		WARNING Only adjust the height of the upper body- frame when the pelvic support is completely pushed in or removed. Therefore, always pay attention that the black lockpin is retracted and the black handscrew completely tightened.			
		 The horizontal part of the monkey pole is adjustable in lenght and width. As it is mounted on the frame it will go up or down simultaneously. Therefore the distance between the upholstery and the handgrips will not change during the adjustment of the height. To adjust the lenght: Release the black hand screw at the bottom side and the tube can be adjusted alongside the chrome bar. Tighten the hand screw again when the bar has reached its required position. To adjust the width: release the black hand screw at the top side. Now the 2 chrome bars can be moved for- or backwards. Tighten the hand screw when the required width has been reached. 			
		Both handgrips can be removed by pushing the red button of the lockpin and pull them backwards.			



TRANSPORTATION AND BRAKES

The table has four swivel wheels to allow movements in tight spaces. At the back-side of the table is the stirrup bar of the wheel-lift system. By pushing this stirrup bar downwards the table becomes mobile. Lift the stirrup bar upwards again after reaching the required position so the castors will be retracted. The system uses a gas spring as shock-absorber. Never use the table if the castors are not fully retracted! The 4 feet have an anti-slip surface and can be adjusted individually when the floor is not even.



WARNING

• Putting the table on its feet is essential when transferring and treating the patient.

14-5-2018 FITTING AND USING THE ACCESSORIES-OPTIONAL EXTRAS:

The table's use can be extended by means of the accessories - optional extras

ACCESSORY – OPTIONAL EXTRA	CONTROL	PROCEDURE
Pelvic support for children		 First put the upper body-frame in its highest position by pushing the relevant symbol on the triple foot-switch. Level this section with the adapter for the pelvic support. To push in the Lexan pelvic support: pull the knob with on hand and slide in the support. To remove the Lexan pelvic support: pull the knob with on hand and pull out the support. Make sure that there is no weight on the pelvic support when you try to remove it. Do not exceed the maximum weight of 25kg on the Lexan pelvic support.
Corset strap and spanner		 The optional corset strap can be installed to apply a plaster corset while the patient is lying in horizontal position. The upper body-frame is in its lowest position. Pull out the massive pin which goes through the two vertical tubes of the monkey pole. Take the wide side of the strap. Hold the thoop between the vertical tubes of the monkey pole and push the massive pin through the loop and the tubes. Lock the pin on the outside. Insert the belt spanner into the relevant tube between the upper legrests. This is the tube closest to the hinges of the lower legrests. Tighten the black hand screw at the front of the tube. When standing at the front of the table, the nut of the belt spanner should be on your left. Now the patient can lie down and should grab the handgrips. Both lower legrests can be put in their most upright position to give best possible stability. Now put the upper body-frame into its highest position. Insert the corset strap into the spanner and adjust the tension with the wrench. Put the safety pin in place! The upper body-frame can now be lowered to create enough room for applying the plaster corset. Remove the wrench before treatment. After finishing the corset one can put the upper body-frame into its highest position again. Remove the safety pin and increase the tension on the strap slightly with the wrench, while at the same time pushing down the locking handle on the right side. Hold the wrench during this movement to prevent it from spinning around. Remove the strap from the belt spanner and pull the strap out from the patient so it is no longer in touch with its body. Now the upper body-frame can be put in its lowest position again. WARNING WARNOW the strap from the belt spanner and pull the strap out from the patient so it is no longer in touch with its body. Now the upper body-frame can be put in its lowest position again. Warting and lowering the upper body-frame. Ensure that neither the patient nor you can get a

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<section-header></section-header>		 The traction unit can be used for finger, wrist and under-arm traction. The following options are needed in order to use the traction-unit correctly: Traction unit Radial clamp (2x) Frame for Chinese fingers Chinese fingers Upper arm support The traction unit can be adjusted in height, width, length and angle using the clamp and the system itself. To adjust the width: Loosen the clamp with the lever in the middle and twist the unit to the desired position. Now tighten the clamp to keep the traction system in place. To adjust the height: Loosen the clamp with the lever in the middle and put the system at the desired height. Now tighten the clamp to keep it in place. To adjust the angle with the clamp: loosen the lever in the middle and adjust the angle. When the traction system is placed in the right position, tighten the clamp again with the same lever. To adjust the angle with the system itself: at the front of the system is a black hand screw. Loosen this screw when it is in place. To adjust the "length" with the clamp: to put the traction unit in the right position for the patient one can slide it over the rails using the clamp. Loosen the lower lever to loosen the clamp from the rail. Now slide it over the rail to the desired position and tighten it again. To adjust the "length" with the system itself: in the middle of the unit is a black lever. Loosen this lever to adjust the length of the traction unit in small steps. When the unit is in the right position tighten the right position and tighten it again. 	
Radial clamp		 To use the traction system turn the lever on the back of the traction system. This lever is very easy to turn and the system is very slow and sensitive. The radial clamp is necessary in order to use a number of accessories. These rail clamps fit on the rail that is mounted standard on the table. To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. To fix any accessory: Put the accessory in the clamp (max diameter 20mm) and tighten the clamp with the lever in the middle. To adjust the angle of an accessory: Loosen the lever in the middle and adjust the angle. When the accessory is placed in the right position, tighten the clamp again with the same lever. 	
Upper arm support		 The upper arm support is used to keep the arm of the patient in place, for instance during traction. This support can only be used in combination with the radial clamp. To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. To fix the arm support: Put the support in the clamp and tighten the clamp with the lever in the middle. The upper arm support can be adjusted in height, width, length and angle. To adjust the width: the support can be adjusted in width because of the bended steel frame. Loosen the clamp with the lever in the middle and twist the support to the desired position. Now tighten the clamp to keep the support in place. To adjust the wight: Loosen the clamp with the lever in the middle and put the support at the desired height. Now tighten the clamp to keep the support in place. To adjust the "length": to put the support in the right position for the patient one can slide it over the rails using the clamp. Loosen the lower lever to loosen the clamp from the rail. Now slide it over the rail to the desired position and tighten it again. To adjust the angle: Loosen the lever in the middle and adjust the angle. When the support is placed in the right position, tighten the clamp again with the same lever. 	

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Foldable sitting section		 The sitting section can be folded so it becomes a backrest. This can be very useful to create a chair on the front of the table. In combination with the knee support this is ideal for plaster the hanging leg. First put the upper body-frame in its highest position by pushing the relevant symbol on the triple foot-switch. Pull out the lock pin which is located at the right side of the sitting section and at the same time pull up the section. The section will automatically block and hold when it is up. To fold back: make sure the upper body section is up. Pull out the lock pin of the sitting section and at the same time fold down the section. 		
		WARNING Were the second and		
Long knee support		 The radial clamp is necessary in order to use this accessories. These rail clamps fit on the rail that is mounted standard on the table. To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. To fix the knee support: Put the support in the clamp and tighten the clamp with the lever in the middle. To adjust the angle of the knee support: Loosen the lever in the middle and adjust the angle. When the support is placed in the right position, tighten the clamp again with the same lever. 		
Adjustable neck cushion		The cushion can be placed anywhere on the backrest with a Velcro strap		
Set of short knee supports		 With the help of these supports one can create an ideal position for various leg plasters and all kind of bandage techniques. It also helps to make several plaster techniques of the leg easier. These supports can easily be plugged in under the upper- or the lower leg-rests. In total there are three positions to plug the supports in. After use the supports can be stowed away at the back side of the monkey pole. 		

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Paperrolholder		The paperrollholder is fitted to the monkey pole at the back of the table.	
TIST	T THE	Therefore the paper will move up and down along with the table and the patient. The maximum width of the paper that one can fit on this holder is 60cm.	
		• To put on a roll of paper: remove the black round knob at the end of the holder.	
		• Pull out the stainless steel axle from the holder.	
		• Put the roll of paper between the holders. Now push the stainless steel	
		axle through the holder and the paper.	
<u> </u>	D'	Now crew the black round knob back on.	
Small castors	Big castors	The table is standard mounted with four wheels with a diameter of 75mm. As an	
(standard)		option one can choose for bigger castors with a diameter of 125mm. Please notice that this will have a small effect on the lowest and the highest position. The braking system will not change in any way.	
Set of crutch holders		As an option 2 clamps for crutches can be mounted at the back side of the	
		monkey pole. During the treatment the crutches can be stowed and can be taken off easily when needed again.	

4. CLEANING and CONSERVATION

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For durable joy with the Skai® material, please clean regularly. For cleaning use a cloth or soft brush dampened using water and a neutral detergent. Any stains on the upholstery should be promptly removed with colourless ethyl alcohol diluted in 20% water. Rinse well.

	<u>^</u>	VARNING	<u> </u>	
ENSURE THE COUCH IS PERFEC	TLY CLEAN BY	DISINFECTING THE	E SYNTHETIC LEATHER AND AF	PPLYING A

- SINGLE-USE PAPER SHEET AT EVERY USE.
- HARSH DETERGENT PRODUCTS MAY DAMAGE THE SURFACES.
- DO NOT USE STEAM JETS, WASHING TUNNELS, WATER JET CLEANERS OR HIGH PRESSURE WASHERS

5. MAINTENANCE

Maintenance operations must be carried out by technicians who are familiar with the contents of this instruction booklet. Check the equipment is safe after any instances of "rough handling" (e.g. fall, bumps, etc.) and any time you are in doubt about safety.

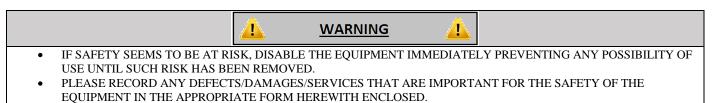
ROUTINE MAINTENANCE

Routine maintenance operations must be carried out with the frequency indicated in the table.

FREQUENCY	ACTIVITY	
	General equipment cleaning.	
	Visual and functional inspection of the equipment and related hydraulic and manual controls.	
Every 6 months or at least	Frame and mechanical parts: Check screws and bolts are tight; state of wear of bushings and pins, presence of tears and deformations or damages.	
once a year	Oil leaks from the piston and/or gas springs must only be in the form of minor lubrication residue.	
	Check that the adjustable sections are stable and do not give way when the control lever is released.	
	Brake control: check regular functioning of the activating device and the efficiency of the brakes.	
	Wheels: these must be securely fixed and in good condition, rolling smoothly and with their treads free of impediments.	
	During use and operation, make sure there are no unusual sounds, vibrations or oscillations that may indicate actuator and/or mechanism malfunctions.	
At the end of the activities above	ve, complete the inspection performing a lift cycle with the stated maximum safe load.	

NON-ROUTINE MAINTENANCE

For safety reasons and to avoid invalidating the guarantee, no component may be opened or handled for repair. Any faults on the hydraulic piston, the gas springs and the wheel system must be diagnosed by Wesseling BV, who will organize the most suitable action.



SPARE PARTS

Only use original spare parts from Wesseling. Please contact Wesseling BV for the parts you might need.

6. TROUBLESHOOTING



Please note:

ASSISTANCE:

• Before contacting for service or help, please identify the "SERIAL NUMBER" in the product label attached to the equipment (see example above), or the transport document/invoice number. This will speed things up and improve service quality.

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The equipment was tested in very stringent conditions. during testing no specific breakages or faults occurred. If the equipment fails to operate, please follow the troubleshooting process below.

DIRECT E-MAIL FOR TECHNICAL OR USERS

phone you can call: +31-20 497 5183

info@wesseling-bv.com

If you rather want to speak to one of us on the

Issue	Cause	Solution
Adjustment of the leg-sections does not	Gas spring faulty or incorrectly set	Contact Wesseling BV
work or the position is not maintained	Transmission cable damaged or broken	
	One of the footswitches is broken	
One of the actuators does not work	Power cable is damaged or not connected in a proper way	Contact Wesseling BV
	Actuator is damaged or not connected in a proper way	

7. TECHNICAL DATA SHEET

Product Name	New Plaster Master		
Product Code	PLASTMAST00		
Safe working load	200kg		
Max patient weight	175kg		
Electric adjustable sections	3		
Height adjustment: complete	Small castors:61 to 111cm with a speed of 11mm/s - 10.000N, 850W, 3.6Ah, stroke 200mm		
table	Big castors: 65 to 115cm with a speed of 11mm/s		
Height adjustment: upper body	0 to 30cm with a speed of 10mm/s - 8000N, 470W, 2.0Ah, stroke 200mm		
section			
Adjustment electric backrest	0° to 90° with a speed of 14mm/s - 2000N, 350W, 1.5Ah, stroke 200mm		
Adjustment system	German electric actuators		
Adjusting electrics	Triple footswitch from Stainless Steel		
Sections adjusted by gas spring	4		
Upper leg sections	0° to 65°		
Lower leg sections	$+45^{\circ}$ to -90°		
Adjusting gas spring	By levers that are on both sides of the table		
Wheels	Ø75mm or Ø125mm (optional)		
Braking system	Centralized control on the back of the table		
Equipment weight	± 150kg		
Length	212cm with legsections horizontal / 165 cm with legsections vertical		
Width	64cm		
Height	207cm – 255cm (total height with monkey pole)		
Upholstery thickness	± 55mm		
Filling	Polyether SG 90/30 / sitting section has an extra filling with Lazyfoam for extra comfort		
Semi Leather	Original SKAI® or STAMSKIN		

8. WARRANT

GENERAL AFTER-SALES SERVICE CONDITIONS FOR WESSELING ITEMS

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The warranty has a 24-month validity from the date of delivery.

The warranty does not cover consumable items, rechargeable batteries, and generally all the material subject to wear, breakdowns caused by knocks, falls, misuse or improper use, accidental events and transport damage. This warranty shall be automatically invalidated if the equipment is tampered with. Repair of the equipment will be carried out in relation to the breakdown stated.

An estimate must be specifically requested.

Payment is cash on delivery, unless other agreements are made.

For any dispute, the sole competent court shall be the court of Amsterdam

WARRANTY REPAIRS

Warranty repairs must be expressly requested.

Repairs under warranty shall be carried out at our workshop and upon authorization

The return shipment for products sent in their original package will be made free of carriage charges.

A fiscal document (bill of sale, purchase invoice or cash receipt) is required to make a warranty claim; the purchase date indicated must fall within the warranty time period.

If, upon inspection, the product appears to be fully functioning, troubleshooting expenses shall still be charged to the client.

OUT OF WARRANTY REPAIRS

For out-of-warranty repairs carried out at our workshops upon authorization, transportation charges shall be paid by the customer.

The warranty of the parts replaced during the repair operations is 12 months from the moment the equipment is collected.

If, upon inspection, the product appears to be fully functioning, troubleshooting expenses shall still be charged to the client.

REPAIRS MADE AT HOME

In the event repairs are made at the customer's home, a written request is required indicating the complete details of the person making the request, the type of machine and the breakdown.

The cost per kilometer for on-site technician visits will be agreed upon in relation to the urgency of the customer.

In the event the machine is under warranty, the customer will have to pay only the expenses incurred for the technician to reach the customer's house. Time is calculated from the moment the technician leaves our workshop until he/she returns. The time of his/her return will be estimated based on the time required to get there.

SALE OF SPARE PARTS AND CONSUMABLE ITEMS

The orders must be in writing and specify the customer, the item and the shipping method as well as the precise fiscal data of the customer.

The order processing time can vary depending on the availability of the material.

Returned spare parts will not be accepted.

Payment will be cash on delivery, unless other agreements are made.

9. SERVICE RECORD

EQUIPMENT:		DATE OF FIRST INSTALLATION:	SERIAL NUMBER:		
DATE OF SERVICE	OPERATIONS CARRIE	D OUT	TECHNICIAN	SIGNATURE	NEXT DUE DATE