



Serious Tan. Seriously Fast. UV-Free.



# Model MT3000™

UV-Free, Sunless Tanning Spray Booth

*Owner's Manual*

# Model MT3000™

## Owner's Manual



MAGIC TAN CORP.  
MODEL: MT3000  
230-240V, 300W, 50HZ  
IPX4

**Serial Number:** \_\_\_\_\_

**Manufacturer's**

**Date:** \_\_\_\_\_



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MagicTan Corporation  
Cleveland, Ohio  
Revision 2.0: October 2003

# Safeguards

**Your safety and the safety of others is very important. We have provided important safety information in this manual. Always read and obey all safety messages.**

It is the responsibility of the owner and operator of the MagicTan booth to comply with all appropriate safety and health laws, as well as other applicable national, state, and local laws and ordinances, when operating and maintaining MagicTan equipment.



This is the safety alert symbol used in this manual. When you see this safety symbol, it alerts you to hazards that can kill or hurt you and others. Safety messages will be preceded by the safety alert symbol and either the word “**DANGER**” or “**WARNING**”.

## IMPORTANT SAFETY INSTRUCTIONS



**DANGER!!:** To reduce the risk of burns, fire, electric shock, death or injury to persons, read the following important safety precautions and all instructions before operating/using the MagicTan unit.!

1. Always disconnect MagicTan booth from electrical power supply before servicing, wiring, opening enclosures (covers), and/or changing solution!
2. Do not plug the MT3000 into an electrical power supply until all servicing, wiring, and solution changing procedures have been completed; and all enclosures are in place.
3. Servicing, wiring, and performing adjustments/modifications to the MT3000 must be made by trained and qualified personnel only!
4. All wiring must be in accordance with local and national electrical standards, including the National Electrical Code.
5. Do not reach for a product that has fallen into the MagicTan booth.
6. Do not bring any electrical devices into MagicTan booth.
7. Never drop or insert any object into any MagicTan booth opening or hose.
8. Connect MagicTan booth to a properly grounded outlet only. (See Grounding Instructions.)
9. Keep cords away from heated surfaces.

10. The sump pump plugs into the main control box for power. This cord is HIGH VOLTAGE.
11. Do not operate MagicTan if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. Call MagicTan representative for repair.
12. Never disconnect plug by pulling cord. To disconnect from outlet, grasp the plug not the cord.
13. Never handle plug, cord, or power unit with wet hands.
14. Do not use on wet surfaces.
15. Do not place or store MagicTan where it can fall or be pulled into water and/or wet surfaces.
16. Turn off all controls before unplugging.
17. Do not use MagicTan near flammable or combustible liquids, such as gasoline, or use in areas where they are present.
18. Never operate/use MagicTan while sleeping, drowsy, or impaired.
19. Consult physician before using the MagicTan booth/products if you are pregnant or think you may be pregnant.
20. Move slowly and use extreme care to avoid slipping after applying barrier cream to hands and feet and when moving around inside the MagicTan booth and outer areas.
21. MagicTan tanning process is not a sunscreen or a substitute for proper sun protection.
22. Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.

**SAVE THESE INSTRUCTIONS**

## GROUNDING INSTRUCTIONS



**DANGER!!:** Improper use of grounding plug can result in a risk of electric shock! This product must be connected to a grounded, metallic, permanent wiring system or an equipment grounding conductor should be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

## SAVE THESE INSTRUCTIONS

### Safety /Instruction Decals



**Important:** The following decal is located on the MagicTan equipment near areas of potential danger. If a decal is missing, damaged, lost, or unlegible, please call your nearest MagicTan representative for a free replacement.



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# Section 1: Introduction

## MT3000™ Overview

Your MagicTan, Model MT3000™ is a revolutionary, fully-automated tanning spray machine, which uses state-of-the art misting technology and *sunless* tanning solutions to provide instant, even, natural-looking tans. In less than one minute, using 36, non-moving spray heads, your MagicTan, Model MT3000™ uniformly sprays a fine mist of sunless tanning solution and an aloe-based bronzing solution over your client's entire body, creating an even, golden brown tan that will continue to deepen throughout the day. The entire process is achieved without the use of lotions, so there is no mess and no uneven streaks and/or blemishes left on the body. In addition, the process is entirely UV-free, which allows those clients that are sensitive to sunlight and/or blemish or freckle easily to finally receive the perfect tan they've always wanted.

### *Your MagicTan, MT3000 Features:*

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- ◆ **100% UV-Free Tanning Technology** – a safe alternative to traditional UV tanning machines.
- ◆ **36 Spray heads:** More spray heads than any other sunless tanning machine on the market allows for a more accurate, uniform tan.
- ◆ **Non-Moving Spray Heads:** Lower operational costs by reducing mechanical failures, maintenance, and downtime.
- ◆ **Compact Design:** Space-saving design simplifies integration and installation.
- ◆ **Fast/Easy-to-Use:** Simply enter the MT3000 booth, press the start button, and relax while the misting process completes in less than one minute.

## How it Works

The MT3000™ is a technologically advanced, hydromechanical tanning system that mixes air and a DHA (Dihydroxyacetone) based tanning solution into a fine mist. The mist is then sprayed, via 36 spray heads onto the body to produce an even tan.

Each row of 4 spray heads connects to individual air and solution solenoid valves. The air and solution solenoid valves are controlled by the MT3000's Integrated Electronic Controller (IEC), which sequentially cycles the spray valves on and off from the bottom row of spray heads to the top row for approximately 8 seconds per side. Daily operational controls such as, the internal light, booth washdown, low solution indication, and tanning cycle usage are easily accessed via the unit's User Interface Controller (UIC).

During the misting (tanning) process, fresh air is ventilated into the MT3000 through a return vent, while mist residue is purged via the system's exhaust vent. A sprinkler is included to wash down the inside of the MT3000 after use. A floor drain removes excess mist during and after the misting and wash down processes. (See figures 1 & 2.)

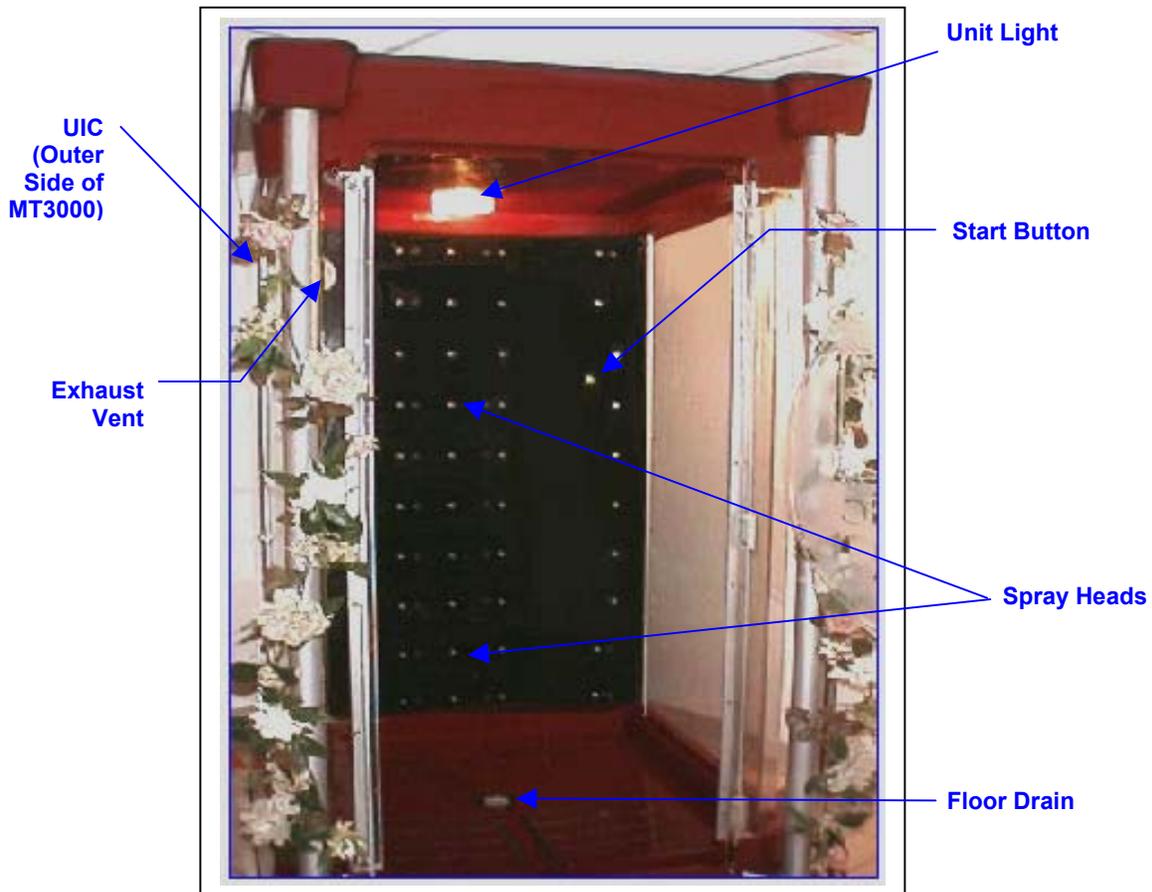


Figure 1: MT3000 Front View

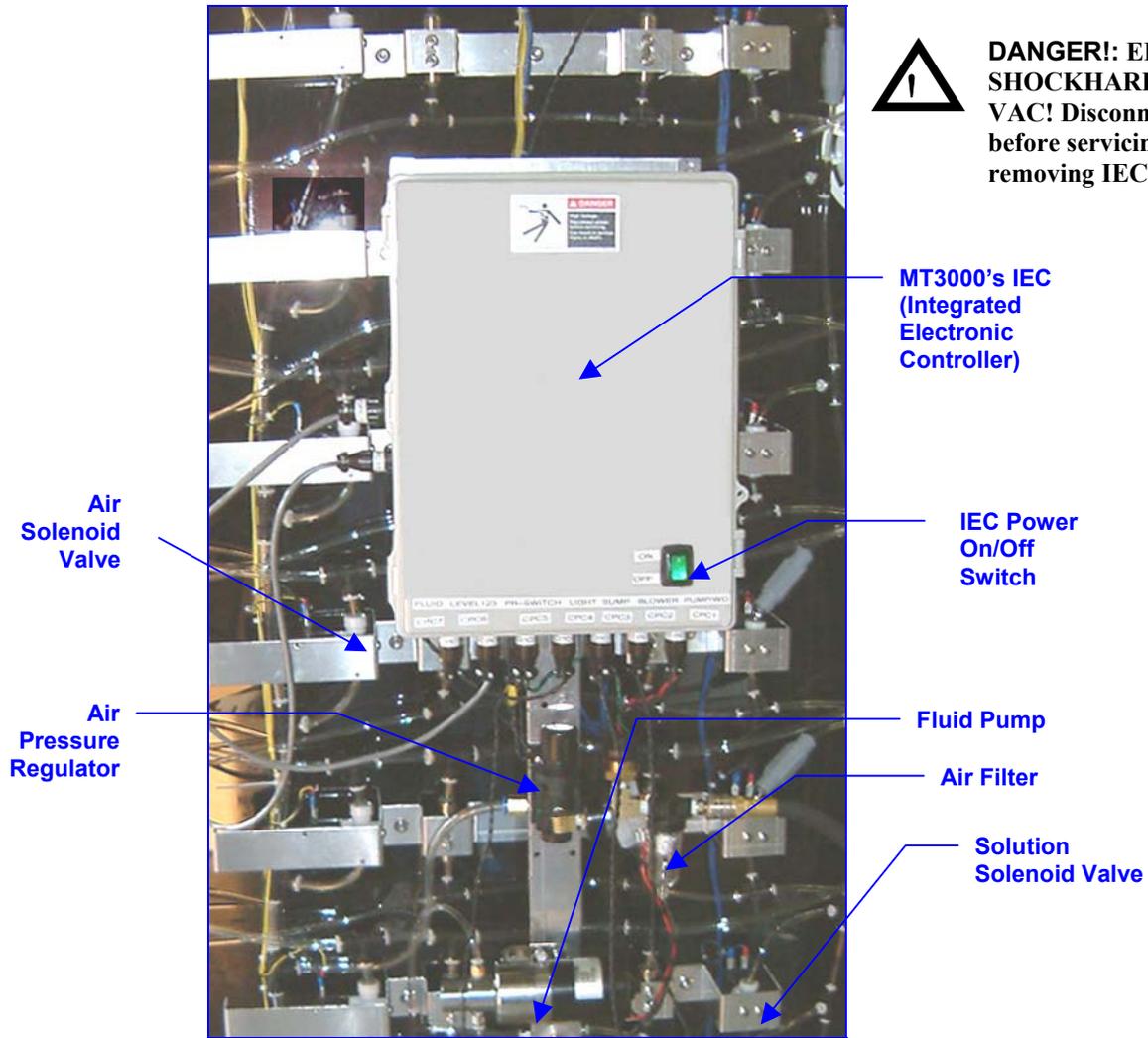


Figure 2: MT3000 Back Panel View

# Typical MT3000™ System Arrangement

A typical MagicTan, Model MT3000 system arrangement is shown in Figure 3. Refer to the MT3000's Installation document for system clearance requirements and further installation information.

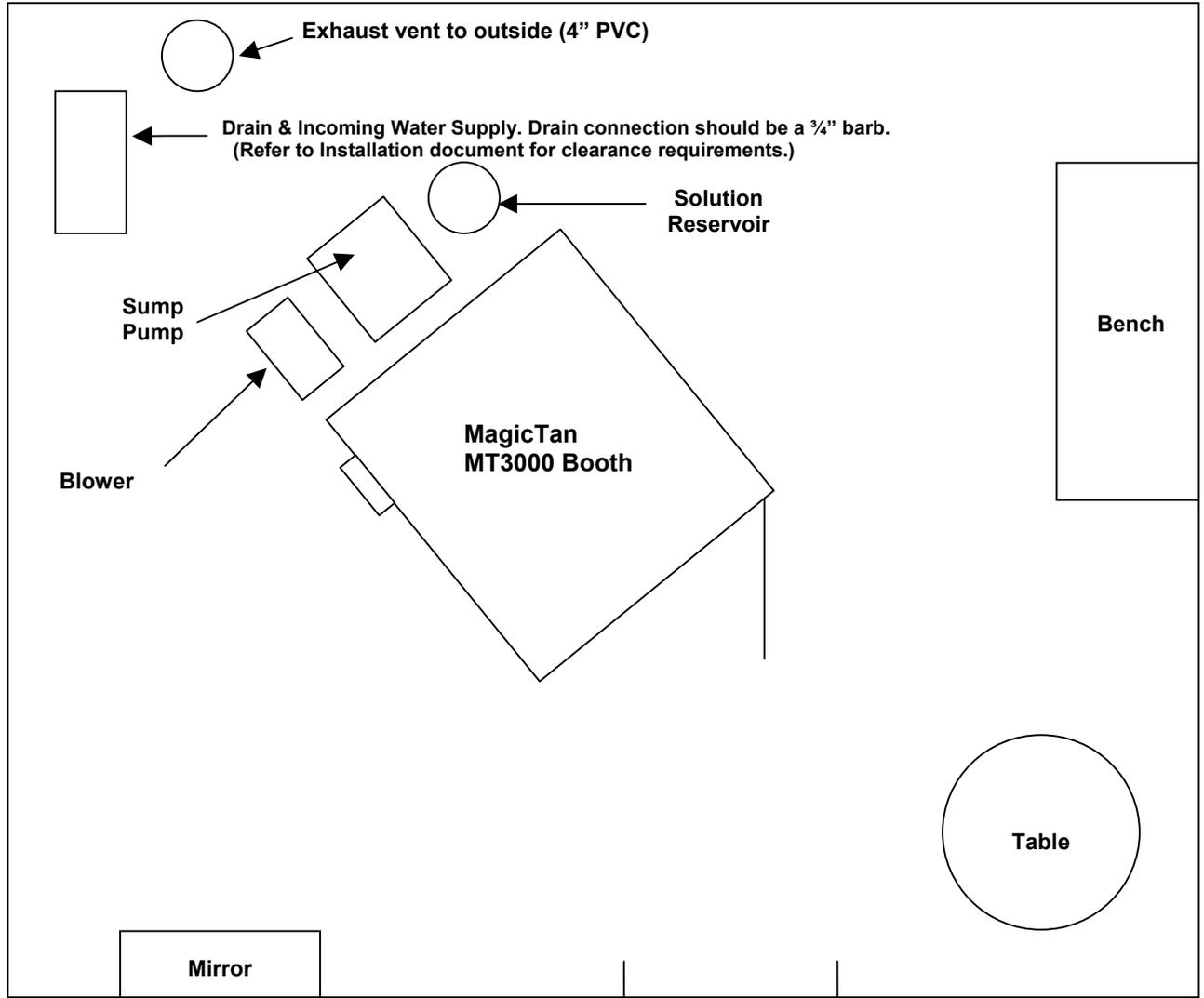


Figure 3: MT3000 Typical System Arrangement

## Getting Started/Tanning

The MT3000 uses a 4-position tanning stance to achieve optimum coverage. See figure 4 (A-D), page 7.

### 4-Position Tanning Stance

Follow These Steps When Tanning Using the 4-position Tanning Stance:



**CAUTION: Slippery Conditions.** Move slowly and use extreme care to avoid slipping after applying barrier cream to hands and feet and when moving around inside the MagicTan booth and outer areas.



**CAUTION: Consult physician before using the MagicTan booth if you are pregnant or think you may be pregnant.**

**Step 1.** Once in the MagicTan tanning area, disrobe.

**Step 2** Put on hair cap and booties (if booties are available). *Optional.*

**Step 3.** Apply barrier cream to palms, cuticles of fingers, fingernails, and bottom of feet (if not using booties). In addition, it is suggested to apply a light amount of barrier cream to dry skin areas, such as elbows and knees. Wipe off any excess barrier cream with a tissue or towel if needed.

**Step 4.** Open the MT3000 door, then walk into the unit and close the door.

**Step 5** Get into the proper 1<sup>st</sup> tanning position stance (see figure 4A), standing as close to the MT3000 door as possible (i.e., away from the spray nozzles).

**Step 6.** Once in the proper position, press the green start button (located on the nozzle panel) to begin the misting cycle. **Note:** *Each misting cycle lasts approximately 8 seconds and starts from the bottom to the top.*

**Step 7.** Once the first misting cycle is complete (i.e., stops spraying), quickly get into the 2<sup>nd</sup> tanning position stance (see figure 4B) and again stand as close to the MT3000 door as possible. **Note:** *There is a short delay between each misting cycle to allow time to get into the next tanning position.*

**Step 8.** After the short delay, the MT3000 begins the 2<sup>nd</sup> position misting cycle.

**Step 9.** Once the unit ends the 2<sup>nd</sup> position misting cycle (i.e., stops spraying), quickly get into the 3<sup>rd</sup> tanning position stance (see figure 4C) and again stand as close to the MT3000 door as possible.

**Step 10.** After the short delay, the MT3000 begins the 3<sup>rd</sup> position misting cycle.

**Step 11.** Once the 3<sup>rd</sup> position misting cycle is complete (i.e., stops spraying), quickly get into the 4<sup>th</sup> tanning position stance (see figure 4D) and again stand as close to the MT3000 door as possible.

**Step 12.** Once the 4<sup>th</sup> position misting cycle is complete (i.e., stops spraying), step out of the unit.

**Step 13.** Remove hair cap and booties, then discard them.

**Step 14.** Wipe barrier cream off hands using a towel or tissue. (To avoid potential streaking, make sure the towel or tissue is not the same one used to remove excess barrier cream prior to tanning.)

**Step 15.** With a soft towel, and different from the one used to wipe off the barrier cream with, towel dry the body.

**Step 16.** Get dressed!



*Palms facing towards spray booth floor with fingers open.*

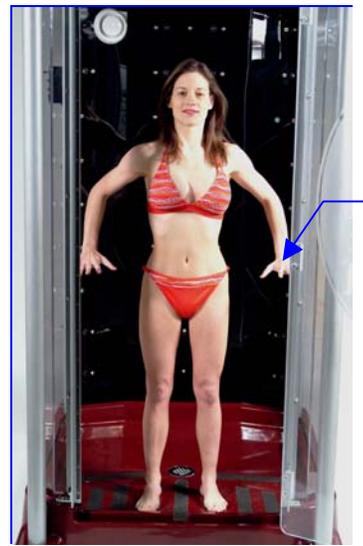
**Figure 4(A): 4-Position Stance 1<sup>st</sup> Position (Front Facing Towards Spray Nozzles)**



**Figure 4(B): 4-Position Stance 2<sup>nd</sup> Position (Front Facing Right-Side Panel)**



**Figure 4(C): 4-Position Stance 3<sup>rd</sup> Position (Front Facing Left-Side Panel)**



*Palms facing towards spray booth floor with fingers open.*

**Figure 4(D): 4-Position Stance 4<sup>th</sup> Position (Back Facing Towards Spray Nozzles)**

## Section II: Operation

### MT3000™'s Operational Controls/Connections

The MT3000's operational controls and connections are located on the MT3000 in four locations:

- ◆ the UIC (User Interface Controller)
- ◆ the IEC (Integrated Electronic Controller) and,
- ◆ the MT3000's back panel (Fluid/Air)
- ◆ Other External Connects.

#### MT3000's UIC (User Interface Controller)

The MT3000's UIC (see figure 5) is located on the outer side of the MT3000 (see figure 6). The UIC's controls are used during daily MT3000 operations. Table 1 lists the controls on the UIC and describes their functions.

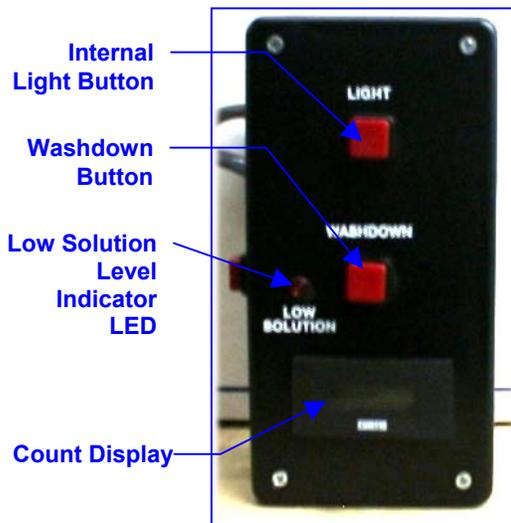


Figure 5: MT3000's UIC

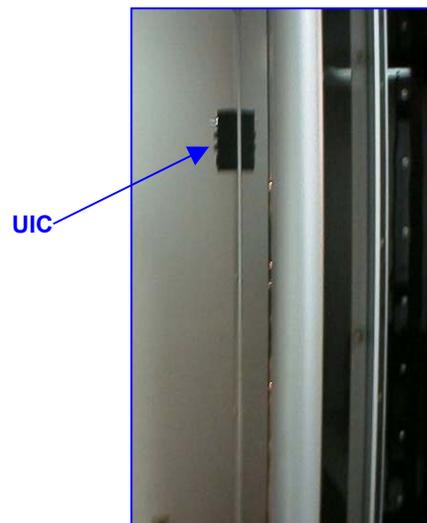


Figure 6 UIC Location (side of unit)

UIC CONTROL	DESCRIPTION
<b>Internal Light</b>	Switch used to turn the MT3000's light on and off.
<b>Washdown</b>	When pressed, cleans out the residual mist from the MT3000.
<b>Low Solution Indicator LED</b>	When lit, indicates tanning solution low (see page 18 for instructions on how to add tanning solution).
<b>Count Display</b>	Displays the number of completed tans. Each completed tan will add 1 count on the count display

Table 1: Description of UIC Controls

### MT3000™s IEC (Integrated Electronic Controller) External Controls/Connections

The MT3000's Integrated Electronic Controller (IEC) is located on the back of the MT3000. Figures 7 & 8 show where the controls/connections are located on the IEC, while table 2, page 11, describes their functions. Figure 9, page 12, shows an IEC component layout.



**WARNING: ELECTRIC SHOCKHAZARD. 110/220 VAC! Always disconnect power before opening the Integrated Electronic Controller (IEC) cover!!**

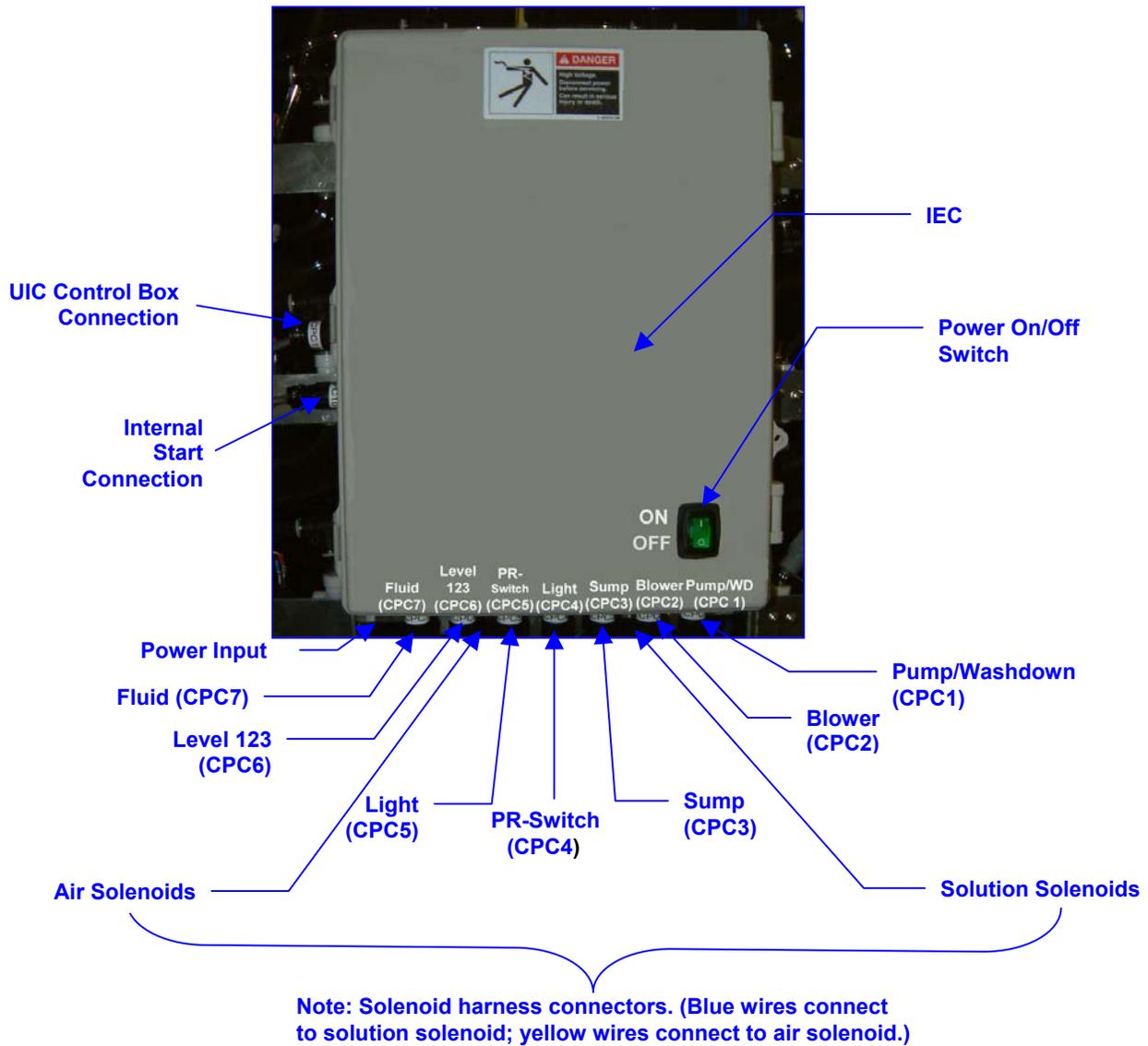


Figure 7: Location of IEC Connections & On/Off Switch

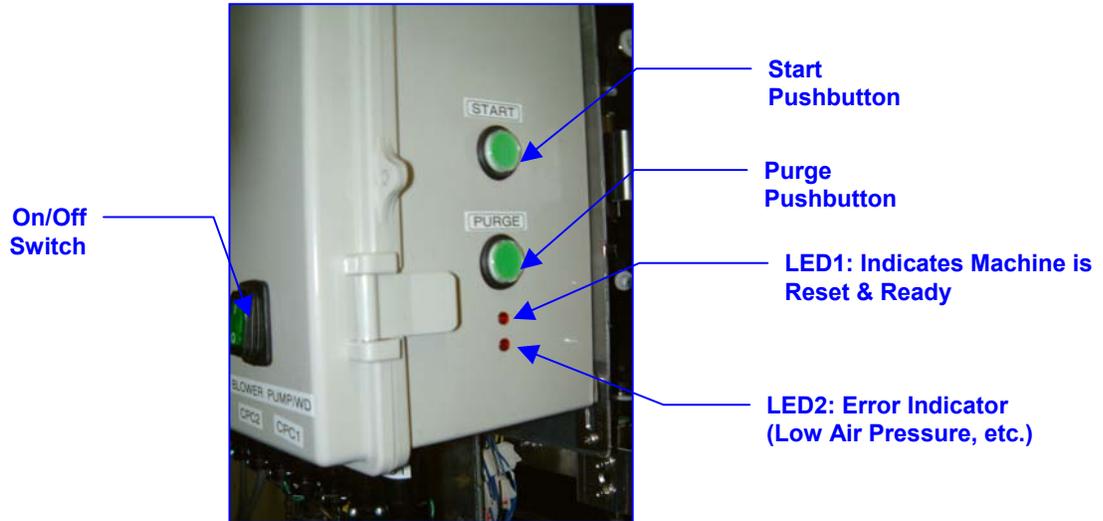


Figure 8: Location of IEC Pushbuttons & Troubleshooting Indicators (right-side view)

CONTROL/CONNECTOR:	DESCRIPTION:
<b>On/Off</b>	Toggle switch used to turn the MT3000 on and off. Putting the switch in the (O) position, turns the unit off, while the ( ) position, turns the unit on.
<b>Pump/WD (CPC1)</b>	Used to turn the water solenoid valve on and off during the washdown process (cleaning of the unit). This connector also connects to the tanning solution pump
<b>Blower (CPC2)</b>	Connects to the blower power cord. Used to turn the blower on to remove residual mist from the unit.
<b>Sump (CPC3)</b>	Connects the safety overflow switch from the sump pump.
<b>Light (CPC4)</b>	Connects to the light power cord.
<b>PR-Switch (CPC5)</b>	Air pressure switch connection.
<b>Level 123 (CPC6)</b>	Connects to tan level controller.
<b>Fluid (CPC7)</b>	Connects to the pick-up tube that is inserted in the solution bucket. When solution level is too low, the float switch turns the MT3000 off and the solution indicator LED lights. (See figure 5 on page 9 for solution indicator LED location and page 18 for instructions on how to add solution.)
<b>Solution (CPC8)</b>	Connects to solution solenoids' wiring harness.
<b>Air (CPC9)</b>	Connects to the air solenoids' wiring harness.
<b>Internal Start CPC10</b>	Connects to start button inside the MT3000 booth.
<b>User Interface Control Box CPC11</b>	Connects to User Interface Controller (UIC), which is located on the outer-side of MT3000 booth.
<b>Start</b>	When pressed, starts the MT3000 misting process.
<b>Purge</b>	When pressed, passes solution through the nozzles (without air) for system priming. See page 18 for purging instructions.
<b>LED1</b>	Indicates the unit is reset & ready. Used during troubleshooting.
<b>LED2</b>	LED indicator used during troubleshooting.
<b>Power Input</b>	Receives power plug connection (110/220 VAC).

Table 2: Description of IEC Controls/Connections

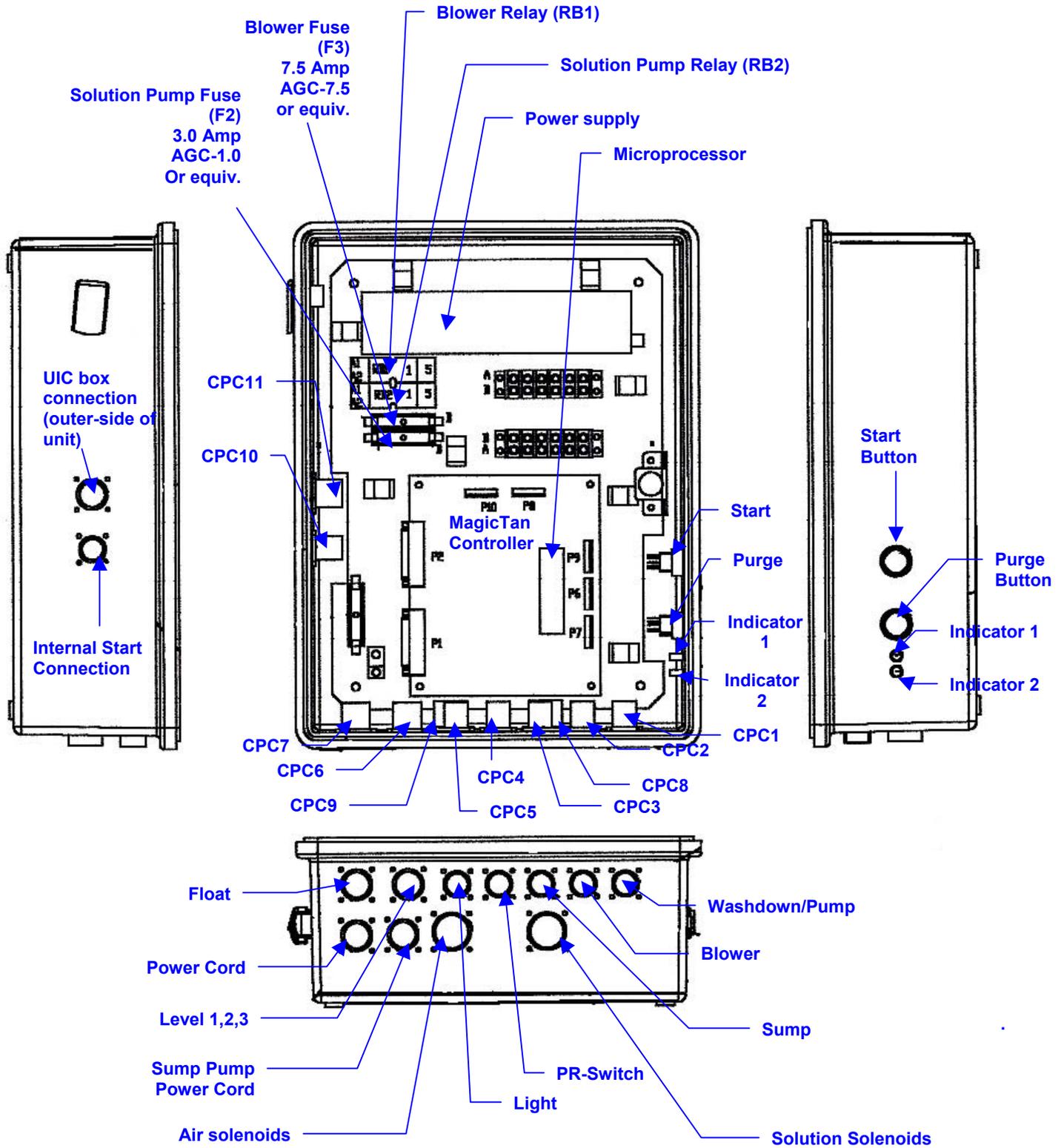
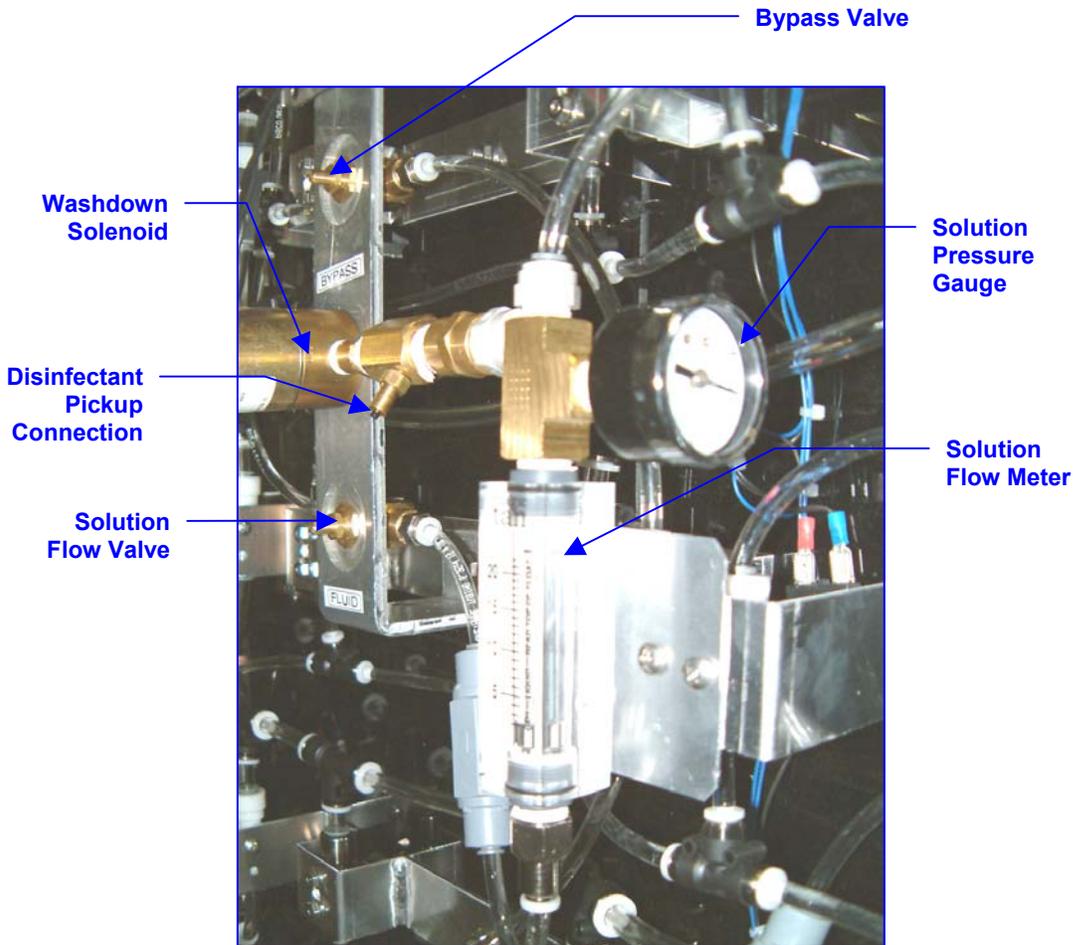


Figure 9: MT3000's Internal Electronic Controller (IEC) Component Layout

**Controls on the MT3000™ Back Panel (Fluid/Air Controls)**

Fluid/Air Controls are located on the back of the MT3000 below the Integrated Electronic Controller (see page 3 for IEC location). These controls are used to set the amount of solution and air applied during the misting process. (See page 3 and figures 10 & 11, below, for location of fluid/air controls; see table 3, page 14, for their descriptions.)

For information on fluid/air settings and adjustments, see pages 16 & 17.



**Figure 10: Location of Fluid/Air Controls**

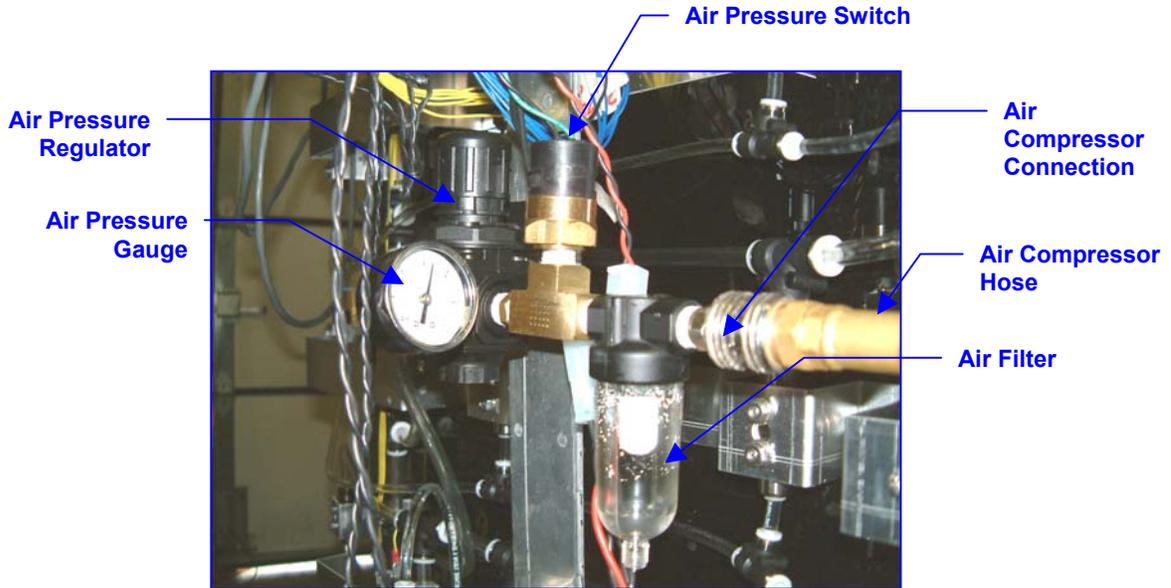


Figure 11: Location of Fluid/Air Controls

Control	Description
<b>Air Pressure Regulator</b>	Controls the atomization of the solution solenoids. See page 17 for air pressure regulator adjustment information.
<b>Air Compressor Connection</b>	Quick disconnect air supply from air compressor
<b>Air Filter</b>	Used to drain excess water (see Maintenance section, page 25, for instructions).
<b>Flow Meter</b>	Used to measure solution flow rate (gph) through the system.
<b>Flow Rate</b>	<b>Bypass: valve</b> that controls the recirculation flow rate and line pressure. See page 16 for setting/adjustment information
	<b>Fluid: valve</b> that controls the solution flow rate. See page 16 for setting/adjustment information.

Table 3: Description of Fluid Controls

### Other External Connections

Other external connections are located at the back of the MT3000™ and consist of:

- ◆ a Vent Hose/Discharge Blower Connection, and
- ◆ a Sump Pump Discharge Connection.

See figure 12 for location of the above external controls and table 4 for their descriptions.



**DANGER: ELECTRIC SHOCKHAZARD. 110/220 VAC! Always disconnect power before servicing!**

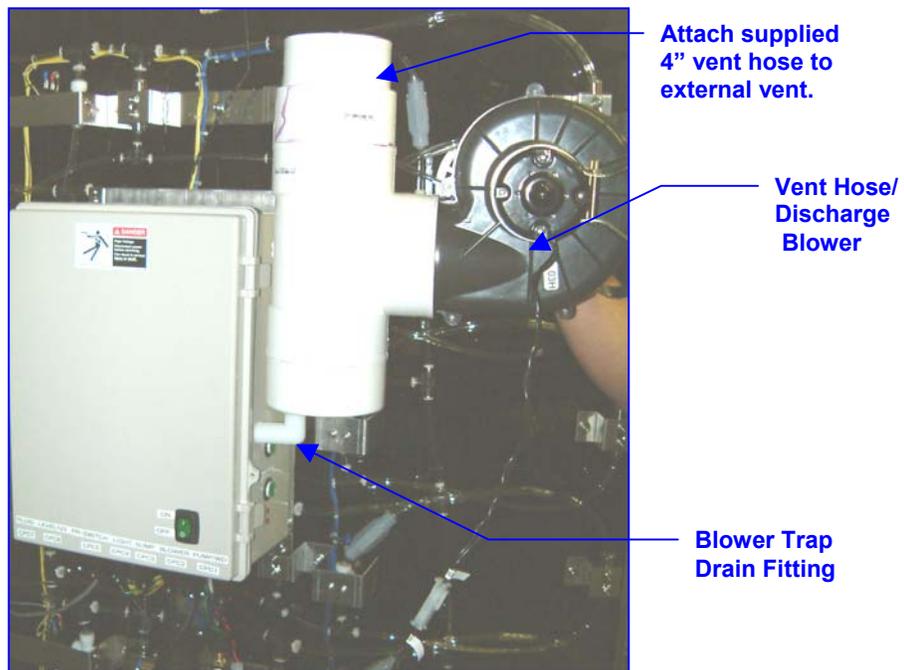


Figure 12: Location of Other External Connections

Control	Description
Vent Hose/Discharge Blower	Used to direct exhaust outside the building. 4" diameter flexible exhaust hose (supplied with unit).
Sump Pump Discharge	Used to discharge excess mist to wastewater drain. 3/4" Tubing (supplied with unit).

Table 4: Description of Other External Connections

## Settings And Adjustments

Table 5 describes the recommended settings/adjustments for various controls on the MT3000™ tanning booth. Settings/adjustments can be made for:

- ◆ air pressure,
- ◆ solution flow rate, and
- ◆ recirculation flow rate

See page 3 and figures 10 & 11 (pages 13 and 14 respectively) for location of fluid/air controls.



**WARNING: Servicing, wiring, performing adjustments/modifications to the MT3000 booth must be made by trained and qualified personnel only! Consult a MagicTan representative for assistance.**

Control	Description	Desired Setting
<b>Air Pressure Regulator</b>	Controls the atomization of the solution.	Should read 37-38 psi while spraying. See page 17 for additional information.
<b>Flow Meter</b>	Used to measure solution flow rate (gph).	The solution flow rate should read 13 gph while spraying. (May vary depending on solution type.) Adjust setting using the fluid valve.
<b>Flow Rate</b>	<b>Bypass:</b> valve that controls the recirculation flow rate.	Set at factory. Used to adjust solution pressure at gauge to 15 psi.
	<b>Fluid:</b> valve that controls the solution flow rate.	Adjust until flow meter reads 13 gph while spraying.

Table 5: MT3000 Settings & Adjustments

## Adjusting Air Pressure Regulator

★ **IMPORTANT: Do NOT Adjust without first contacting a MagicTan Representative.**

### Follow These Steps to Adjust the System Air Pressure:

**Step 1.** Pull the top black knob on the Air Pressure Regulator upward to unlock the regulator (see figure 13).

**Step 2.** Press the *Start* Button on (IEC). (See figure 7, page 10, for location.)

**Step 3.** Check the gauge reading on the air pressure regulator. It should read 37-38 psi while the system is spraying. If the gauge does not read 37-38 psi, then adjust the setting by turning the knob located on top of the air regulator until the gauge reads 37-38 psi. Counterclockwise reduces air pressure; clockwise increases air pressure. The system should maintain spraying at 40 psi throughout the complete cycle. When adjustment complete, re-lock air regulator knob (see picture below).

**Note:** Make the final adjustment while adjusting the pressure upward. For example, set to 35, then adjust up to 37-38 psi.

**Note:** Always make the adjustment while the system is running/spraying.

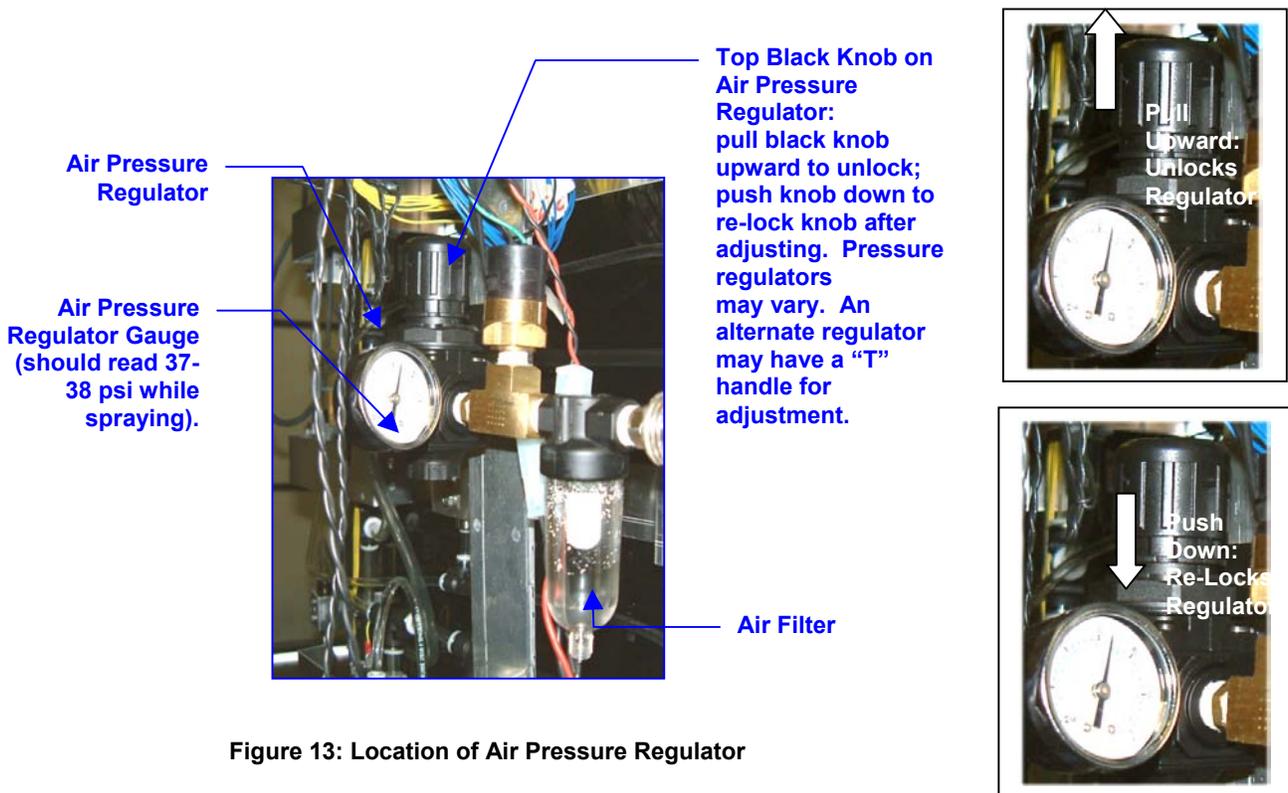


Figure 13: Location of Air Pressure Regulator

## Purging/Adding Tanning Solution

★ **IMPORTANT:** Purge the MT3000™ before initial operation.

The purging process removes the air from the MT3000's solution line tubes and replaces it with tanning solution. Purging is required before initial operation and when changing to a different type of solution.

**Follow These Steps to Purge Your MT3000 for the First Time (refer to figures 14 & 15 below):**

**Step 1.** Turn *Power* switch On (located on the IEC).

**Step 2.** Place the pickup tube into the solution reservoir.

**Step 3.** Press and hold the *Purge* button (located on the IEC). Once *Purge* is pressed, the MT3000's first solution solenoid valve opens and fills the solution lines with tanning solution. Continue to hold the *Purge* button until solution is flowing evenly out of each of the nozzles on the first bank, and then release the *Purge* button.

**Note:** the outer nozzles take longer to purge than the inner nozzles.

★ **IMPORTANT:** Visually inspect the solution lines to make sure there are no air bubbles. Air bubbles degrade the spray quality of the MT3000.

**Step 4.** Press and hold *Purge* a second time to fill the MT3000's second solution solenoid valve with tanning solution. Release the *Purge* button once tanning solution is flowing evenly out of each of the nozzles on the second bank.

**Step 5.** Continue to press and hold *Purge* until all banks are filled with tanning solution.

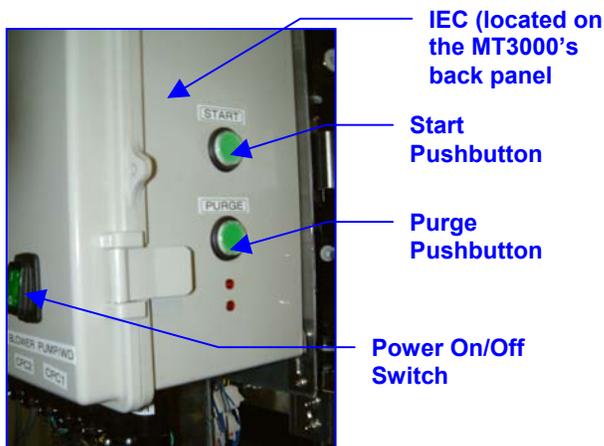


Figure 14: Location of the controls (on the IEC) Used during Purge Procedure

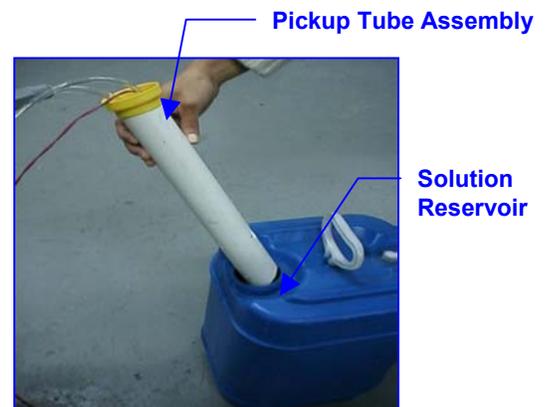


Figure 15: Pickup Tube & Solution Reservoir

## Changing the Solution Reservoir with the Same Solution

The solution reservoir will need to be replaced when the low solution indicator lights (see figure 5, page 9, for low solution indicator light location)

### Follow These Steps to Change the Solution Reservoir with the *Same* Solution:

**Step 1.** Pull the pickup tube assembly (see figure 15, page 18) from the current solution reservoir.

**Step 2.** Remove the cap from the new solution reservoir, then drop in the pickup tube assembly.

**Step 3.** Tighten the cap on the old solution reservoir.

**Note:** *There will still be solution left in the old solution reservoir, which can be poured into the new solution reservoir, once there is sufficient room in the new solution reservoir.*

**Step 4.** Purge the first bank of nozzles to remove any air caused by lifting the pickup tube from the solution bucket. Follow the instructions as described on page 18 for the first bank only.

**Note:** *There will still be solution left in the old solution reservoir, which can be poured into the new solution reservoir, once there is sufficient room in the new solution reservoir.*

## Changing the Solution Reservoir with Different Solution

**Follow These Steps to Change the Solution Reservoir with *Different* Solution Or to Clean Out Fluid Lines with Water:**

***Step 1.*** Turn *On* Power switch on the IEC. See figure 14, page 18, for Power On/Off switch location.

***Step 2.*** Purge system with *warm* water by placing the pickup tube (see figure 15 on page 18) into a bucket of water, then follow the purging instructions as described on page 18 until all solution lines are cleaned and filled with water.

***Step 3.*** Wipe off the pickup tube assembly, then place it into the new solution reservoir.

***Step 4.*** Purge system with the new solution as described on page 18.

## Section III Troubleshooting

If a problem occurs with your unit, please review the troubleshooting section below. If problems continue, please call your nearest MagicTan distributor for assistance.



**WARNING: Read and follow all safety guidelines before performing Troubleshooting. Refer to the Safety Guidelines Section in the first part of this manual.**

Problem	Probable Cause:	Solution
<b>Machine Has No Power</b>	Machine is unplugged	Check that the power cord is plugged into the outlet and the input power connection on the back of the unit (see page 10 for location).
	Power switch is in the off position.	Turn power switch On (see page 10 for location).
	No power at outlet	Check circuit breaker.
<b>Machine Will Not Start Spraying</b>	Machine is not reset	Press the reset button on the MagicTan System or T-Max Timer.
	Blower is still running.	Wait until the blower stops running, then press reset on either the MagicTan System or T-Max Timer.
	Fluid Pump.	Unplug the fluid pump (see page 3 for location). Turn the machine off for 10 seconds, then turn back On. Press Reset button. If the machine starts (while fluid pump is still unplugged), call for technical assistance.
	Solution container low, or empty.	Replace solution container (see pages 19 & 20 for instructions).
	Low air pressure.	Check the air compressor to see if the pressure is too low.
<b>Low Level Indicator is On</b>	Solution container low, or empty.	Replace solution container (see pages 19 & 20 for instructions).
<b>Sump Pump Continuously Runs Off and On</b>	Check Valve	Check the check valve on the output tubing of the sump pump where the fluid goes down the drain. If debris is caught, the check valve will not shut and fluid will come back into the sump. To check the valve, remove the check valve, run water through the valve, then gently tap on its side. Next blow into the check valve in the direction of the arrow. Air should go through. Then blow against the arrow, no air should pass through. If this is the case, check valve is working properly. Reinstall making sure the arrow is pointing away from the sump pump. If problems continue, call MagicTan for technical support.

Problem	Probable Cause:	Solution
<b>Machine Spraying Only Solution</b>	No Air Pressure	While the system is “spraying”, check air compressor gauge (located on the air compressor) to assure it reads between 125-150 psi. If the air compressor gauge does not read between 125-150 psi, turn power off, then check the compressor connections and circuit breaker (see figure 11, page 14 for location).
<b>Machine Spraying Only Air</b>	Solution container low or empty.	Check the solution container for proper solution level. If solution is low or empty, replace the solution container (see pages 19 & 20 for instructions).
	Check fluid pump for operation.	<p>Check that the solution flow meter reads 13 gph while the system is “spraying” (see page 13 for flow meter location; page 3 for pump location). If the solution flow meter does not read 13 gph <i>while system is “spraying”</i>, adjust the fluid valve by turning the fluid valve counterclockwise until the top of the ball (on the flow meter) reaches 13 gph.</p> <p>If this does not solve the problem, check the check valve coming out of the solution pickup tube assembly for proper operation. To do this, remove the check valve, then run it under warm water. Next, try blowing through the valve in the direction of the arrow. If you cannot blow through, gently tap the check valve to free any obstructions. Try blowing through the check valve again. Repeat if necessary.</p>
<b>Machine Base Drains Slowly</b>	Filter screen clogged.	Remove the silver cover from the machine floor. Remove screen, then rinse it out with water. Reinstall screen and silver cover.
<b>Machine Spraying Light</b>	Low fluid rate	Check that the solution flow meter reads 13 gph while the system is spraying (see page 13 for flow meter location; page 3 for pump location). If the solution flow meter does not read 13 gph <i>while system is spraying</i> , adjust the fluid valve by turning the fluid valve counterclockwise until the top of the ball (on the flow meter) reaches 13 gph.
	Fluid valve	The fluid valve may be clogged. To fix, remove the fluid valve. Run the valve under warm water. While turning the valve, try to blow through the valve. Repeat if necessary.

Problem	Probable Cause:	Solution
<b>Machine Spraying Heavy</b>	High fluid rate	Check that the solution flow meter reads 13 gph while the system is spraying (see page 13 for flow meter location). If the solution flow meter does not read 13 gph <i>while system is spraying</i> , adjust the fluid valve by turning the fluid valve clockwise until the top of the ball (on the flow meter) reaches 13 gph.
<b>Shower Head Drips</b>	Dirt in washdown solenoid.	Press and release washdown button several times to clear obstruction.
<b>Shower Head not Spraying Correctly</b>	Clogged shower head.	Unscrew and remove shower head. Rinse shower head out with water making sure all debris is clear. Reinstall
<b>Light will not turn On.</b>	Light bulb needs replacing.	Replace light bulb. Contact local distributor for replacement bulbs.
<b>Machine Mist Feels to Strong or Too Light</b>	Low or high air pressure	Check the air pressure gauge (while the system is running) to make sure the pressure reads 40 psi. If the air pressure is not at 40 psi, adjust the air pressure regulator until the air pressure gauge reads 40 psi. Refer to page 17 for instructions on how to adjust the air pressure regulator.
<b>Machine Sprays One of the Four Cycles, then Shuts Off.</b>	Fluid pump.	Call MagicTan for technical support.
<b>Machine Spray is Heavier On One Side Than The Other</b>	Machine Level.	Check the back of the machine with a level to ensure the machine is level from side to side. If the machine is not level, use wood shims under the machine base to level.
<b>Machine is Spitting Solution</b>	Incorrect Air Pressure	Check the air pressure gauge (while the system is running) to make sure the pressure reads 40 psi. If the air pressure is lower, check air compressor connections and its circuit breaker. If this doesn't solve the problem, adjust the air pressure regulator until the air pressure gauge reads 40 psi. Refer to page 17 for instructions on how to adjust the air pressure regulator.  If this does not solve the problem, try bleeding built up water out of the air compressor tank (refer to the air compressor owner's manual for instructions).
	Machine Level.	Check the back of the machine with a level to ensure the machine is level from side to side. If the machine is not level, use wood shims under the machine base to level.

## Section IV Maintenance

### System Cleaning

#### *The MT3000™*

- ◆ The MT3000 should be cleaned at least once a day. To clean the unit, press the Washdown button located on the UIC (outer side of unit).
- ◆ Periodically wipe unit down with a soft towel or squeegee.

#### *Solution Lines*

- ◆ Solution lines should be cleaned (purged) with *warm* water once every 3 months for optimal performance. It is best to do this just before changing the solution bucket. (See page 18 for purging instructions.)

#### *Floor Drain*

- ◆ Remove any lint or fuzz from the floor drain screen.
- ◆ Once a week, pour a gallon of hot, soapy water down the floor drain.

### Component Maintenance



**WARNING: Servicing, wiring, performing adjustments/modifications to the MT3000 booth must be made by trained and qualified personnel only! Consult a MagicTan representative for assistance.**

#### *Air Filter*

- ◆ Drain air filter periodically (see figure 11, page 14, for air filter location). To drain the air filter either (depending on the type of air filter installed) push up on the pin (located on the bottom of the air filter) and hold until all the water drains; or loosen (with your thumb) the screw (located on the bottom of the air filter) until all the water drains, then tighten the screw.

**Note:** *To absorb drainage and to avoid water leakage around the MT3000 booth area, use a towel when draining the air filter.*

#### *Air Compressor*

- ◆ Follow air compressor owner's manual for required maintenance.
- ◆ The air compressor tank will need to be drained periodically. Water will build up in the tank from moisture it collects from incoming air. See the air compressor owner's manual for draining the air tank.

#### *Replacement Parts*

- ◆ Contact your nearest MagicTan distributor for replacement parts.



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