Your customers have a vision, you have a challenge and Fluid Management has the answer.

Fluid Management is a global leading manufacturer of mixing and tinting equipment, plus specialized equipment for a variety of industries that include home improvement, food, chemical, and cosmetics. Located in Wheeling Illinois, Fluid Management is a United States owned and operated company with historical roots dating back to 1927. In 1996, Fluid joined the IDEX Corporation as it prepared to address the changing business environments of the 21st century.

As industry leaders, Fluid Management provides trend setting creative initial design through comprehensive equipment selections. FM Direct, Fluid Management’s after-sales service is one of a kind. FM Direct technicians are Fluid Management employees, trained to understand our products like no one else. Fluid Management strives for close teamwork with our customers.

The combination of leading edge technology, world class service and support, and a company prepared for the future technological trends of an ever changing business environment makes Fluid Management the ideal partner. Thank you for putting your trust in Fluid Management products. We will help you with services that will help you serve your valued customers.
Once you’ve installed your Accutinter 2000 Dispenser, what’s next? In this booklet, you’ll find more information to help you get the most from your new Fluid Management Accutinter 2000.

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WARNINGS

This machine draws 2 Amps at 110 ± 10% VAC.

Do not modify the provided plug.

Improper use of grounding plug can result in risk of electric shock.

GROUNDING

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape for the electric current. This product is equipped with a cord that has a grounding wire and an appropriate grounding plug. The plug must be inserted into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER

Improper installation of the grounding plug can result in a risk of electric shock. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The insulation wire with green or green and yellow stripes on the outer surface is the grounding wire.

Check with a qualified electrician if the grounding instructions are not completely understood, or if in doubt about whether the product is properly grounded. Do not modify the plug provided. If it will not fit into the outlet, have the proper outlet installed by a qualified electrician.

Cautions

Improper use of grounding plug can result in risk of electric shock.

Check with a qualified electrician or service person if grounding instructions are not completely understood or if in doubt as to whether product is properly grounded.

Do not use an adapter or extension cord with this product.

NOTE!
This product is for use on a dedicated nominal 115 Volt (US only) circuit and has a grounding plug.
This manual provides the machine operator instructions for the safety, installation, parts, and maintenance of the Accutinter 2000.

How to use this manual
This manual is organized into seven sections including this one. Each section provides detailed information on Accutinter 2000 topics and provides a basic reference that can be used to address installation and maintenance issues. See the replacement parts section for ordering information.

For your safety
Customer safety is important. Our products are designed to be safe and effective. However, dispensers are electrical equipment. The Accutinter line is safe, fast, and reliable - designed to bring many years of operation. There are precautions you can take to avoid damage to the equipment or bodily injury before operating. By carefully following the instructions in this document and the warning and maintenance labels on the machine, you can help protect yourself from hazards and create a safer work environment.

Equipment can become damaged due to misuse or neglect. Some product damage is serious enough that the product should not be used again until it has been inspected and, if necessary, repaired by an authorized service technician. As with any electronic device, pay close attention to the dispenser when it is turned on. On very rare occasions, you might notice an odor or see a puff of smoke or sparks vent from your machine. Or you might hear sounds like popping, cracking or hissing. These conditions might merely mean that an internal electronic component has failed in a safe and controlled manner. Or, they might indicate a potential safety issue. However, do not take risks or attempt to diagnose the situation yourself.

Safety Precautions
1. Read this manual and all warning labels before using the machine.
2. Keep the manual in a safe place.
3. Read and adhere to all Warning and Caution labels on machine.
4. Prepare, level and clear the area where the machine will be installed.
5. To avoid risk of fire or injury, unplug the power before servicing electrical components.
6. Do not dispense flammable materials.
7. After installing, complete a purge and check plumbing.
8. Check that colorant cartridges or canisters and lines are secure and in place.
9. Plug into an approved grounded outlet only. Make sure the outlet meets all national and local codes.

Information and Instruction Labels
You should become familiar with the labels affixed to the machine, as well as the symbols which appear throughout this manual.

Read all the warning labels on the exterior and interior of the dispenser. If the labels become damaged or unreadable, you may purchase replacements from Fluid Management Customer Service. See the replacement parts section for ordering information.

Safety Notice Information
• WARNING: HAZARDOUS ELECTRICAL COMPONENTS

The two main notices used in this manual and on the Accutinter 2000 are Warning and Caution. A Warning • notice will tell you about a hazard that could cause serious injury to you or extensive damage to the equipment. This information is featured in the
WARNING: UNPLUG BEFORE SERVICING.

USE A DEDICATED 15 AMP CIRCUIT (US only)

WARNING: DO NOT USE WITH OR NEAR FLAMMABLES.

beginning of the manual to emphasize safety.

When you see a Warning notice in this manual, read it carefully before continuing with the operation of the machine. Take all necessary precautions to avoid potential injury.

● CAUTION: POTENTIAL SAFETY HAZARD

A caution notice tells you about a danger that could cause injury to you or minor damage to the dispenser. When you see a Caution notice in this manual, read it carefully and be sure you understand it before continuing.

Air circulation

Your computer and monitor for your dispenser produce heat. The computer has a fan that pulls in fresh air and forces out hot air. The monitor lets hot air escape through vents. Blocking the air vents can cause overheating, which might result in a malfunction or damage. Place the computer and monitor so that nothing blocks the air vents; usually, 51 mm (2 in.) of air space is sufficient.
Introduction

The patent pending Accutinter 2000 is an easy to use automatic simultaneous dispenser designed to be used as a tabletop unit or with a floor stand. It combines a small footprint and modular design with consistent high dispensing power and includes up to sixteen positions. The exterior cabinet features a durable painted finish that can be easily cleaned. The Accutinter 2000 is highly accurate through the use of five major elements: DVX® pump technology, Digital electronics, Stepper motors, Individual colorant nozzles, and ColorPro™ software.

ColorPro™ dispensing software runs on an external computer that makes it possible to store customer formulas and machine usage reports. Using Fluid Management’s patented DVX® pump technology, each colorant has a separate motor and pump, ensuring the most reliable and accurate performance, with dispenses as small as 1/384th of an ounce. Colorants are stored in easy to fill canisters and are periodically agitated to prevent colorant separation. Colorant bag technology is also available.

The Accutinter 2000 allows you to choose from a full spectrum of designer colors with easy to use ColorPro™ software. ColorPro™ allows you to select the color of your choice from an extensive database. It directs you through the most important cleaning and maintenance procedures ensuring the best performance from your dispenser.

Highlights:

- Fast and easy to use.
- Highly accurate.
- Dispenses any color in your database.
- Uses patented DVX® technology.
- Handles more than six container sizes.
- Includes self sealing nozzle closer.
- ColorPro™ Dispensing software
- Serviceable from the front of the machine.
- Modular Design.
- Dual canister bays.
- Constructed from heavy gauge steel.

TECHNICAL SPECIFICATIONS FOR TABLETOP UNIT

Height: 25 1/4” (616 mm)
Width: 30” (762 mm)
Depth: 28 3/8” (721 mm)
Weight: 267 pounds (121 Kilograms)
Power: 110 Volts
+/- 10%, 2 Amps Max
50/60 Hz Frequency

TECHNICAL SPECIFICATIONS FOR UNIT AND STAND

Height: 53 1/4” (1353 mm)
Width: 30” (762 mm)
Depth: 32 1/2” (826 mm)
Weight: 405 pounds (184 Kilograms)
Power: 110 Volts
+/- 10%, 2 Amps Max
50/60 Hz Frequency
YOUR ACCUTINTER 2000 HAS THESE BUILT IN FEATURES:

• Typical dispense is up to 10 ounces per minute.
• Dispenses accurate amounts as small as 1/384th of an ounce.
• Flat screen monitor moves for easy viewing.
• Easy to reach canisters.
• Up to 16 channel colorant system utilizes canister or bag technology.
• Adjustable shelf accommodates quart, one gallon, and five gallon containers.
• Automatic agitation and easy to fill colorant canisters.
• Self sealing automatic nozzle closer.
• LED light guides container placement.
• Powerful DVX® Pump Technology.
• Dual canister bay design allows two simultaneous dispenses.
• Optional Dymo label printer, labels, and barcode scanner are available.
COLORPRO™ HAS THESE FEATURES:

- Easy to use.
- Includes a full spectrum of designer colors available from a built in formula database.
- Customer friendly menus direct you through daily maintenance.
- Includes over seven different menus and options for dispensing, diagnostics, and maintenance.
- Optional ColorPro™ language packages allow you to operate in multiple languages.
- Built in diagnostic utilities.
- Mouse and keyboard operable.
- All dispensing functions can be accessed from a single screen.
- Tracks and reports usage statistics for formulas, colorants, and dispenses.
These tips will help you get the most out of your Accutinter 2000:

- Keep all of the nozzles clean for consistent dispense accuracy.
- Purge the nozzle at least once per day, especially if you haven’t used the machine for several hours.
- Shake the colorant can for up to three minutes before filling the canisters.
- Do not over fill the canisters.
- If you do not have a nozzle closer, always keep the nozzle covered with the cap to prevent colorant from drying out.
- Keep the nozzle cup liner moist by adding a few drops of water to the cup liner to prevent colorants from drying out.
- Follow the preventative maintenance procedures in this manual.
- Do not use solvent based colorants in your dispenser.
- Use the ColorPro™ Basics section of this manual for answers to your questions about ColorPro.
- Do not load any screen savers on the Accutinter 2000 computer. Added software can create conflicts with ColorPro™ and could cause the dispenser to operate incorrectly.
- Keep your ColorPro™ software up-to-date.
- Use the correct sized labels for your Dymo label printer (optional accessory).
- Call Fluid Management Customer Service for assistance at 1.800.462.2466.
Installation

1. Make sure these parts are available before installing:
   - Accutinter 2000 unit
   - Computer, monitor, mouse, and keyboard
   - Dymo label printer and labels (optional accessory)
   - Barcode scanner (optional accessory)
   - Surge protector (not included)

2. Tools needed for installation:
   - Phillips screwdriver
   - 5/16" Allen wrench
   - 9/16" Open-end wrench

3. Unpack the machine.

4. Inspect the machine for damage.
   - If any damage is found, notify the carrier immediately. Arrange for inspection in order to claim recovery. Claims for damage must be made by the consignee (YOU). The carrier assumes full responsibility upon acceptance of the shipment and will not entertain any claims by the consignor.

5. Position dispenser in permanent location.
   - Choose a location for your dispenser that is capable of supporting its weight.

6. Mount the monitor arm assembly as shown in Figure 1.

Cautions

- Before dispensing colorant for the first time, you must complete a manual dispense.
- Daily cleaning and nozzle maintenance are crucial for effective machine operation.
- Shake colorant for three minutes before filling the canisters.
- Make sure the computer is in a stable position and that the air flow is not restricted.
- Do not use shelf surface to seal open cans.
- Do not dispense without a container in place.
- Do not operate the dispenser until it is in its permanent location.
- Do not dispense if canisters or cartridges are empty.

Always shut off the power and unplug your machine from the AC power outlet before servicing.

The unit must be plugged into a dedicated 15 Amp electrical line (US only).

The surface the dispenser sits on must be strong enough to support its weight of 405 pounds (184 Kg.) for the floor stand and dispenser.

Replace all fuses with the exact size and type of replacements.

Verify that your paint dispenser is firmly positioned on the surface it will sit on.

This machine is not explosion proof and must not be used in a flammable atmosphere or with flammable materials.

WARNINGS

Always shut off the power and unplug your machine from the AC power outlet before servicing.

Accutinter 2000 Set up

Installation

1. Make sure these parts are available before installing:
   - Accutinter 2000 unit
   - Computer, monitor, mouse, and keyboard
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This machine is not explosion proof and must not be used in a flammable atmosphere or with flammable materials.
Connect the computer and all associated cables.

- Position the computer in the cradle on the back shelf of the machine (Figure 2). The cradle and the computer should snap into place to fit snugly. Make sure the computer is stable and that the connectors are accessible.

- Route all the external cables (monitor, keyboard, mouse, optional label printer) through the arm assembly mounting bracket to the back of the computer (Figure 3). Secure with hold-down clamps. Plug the gray USB cable from the dispense coordinator board on the front of the machine into the port labeled “Dispenser” on the back of the computer (Figure 4).

- Plug the computer power supply cord into the back of the computer (Figure 3, 4) and the recommended surge protector.

- Plug one end of the provided power cord into the outlet on the back of the dispenser (Figure 5). Plug the other end of the cord into the recommended surge protector.

- Plug the surge protector into a 15 Amp dedicated electrical outlet (see important grounding information in safety section.)
**WARNINGS**

Always shut off the power and unplug your machine from the AC power outlet before servicing.

The unit must be plugged into a dedicated 15 Amp electrical line.

The surface the dispenser sits on must be strong enough to support its weight of 405 pounds (184 Kg.) for the floor stand and dispenser.

Replace all fuses with the exact size and type of replacements.

Verify that your paint dispenser is firmly positioned on the surface it will sit on.

This machine is not explosion proof and must not be used in a flammable atmosphere or with flammable materials.

7 After the machine is installed, fill the canisters and update ColorPro™ (See the instructions on page 8).

8 After the canisters are filled, complete an initial manual dispense for each colorant. (See the instructions on page 10).
Getting started
Filling the canisters

After your machine is installed in the proper location, you need to fill the canisters with colorant so you can dispense for the first time. Your machine is shipped with a small amount of colorant in the canisters already, yet you need to fill them to capacity. The canisters hold 2.5 quarts of colorant. Make sure you don’t overfill the canisters or they will leak. After the canisters are filled, ColorPro™ must be updated with the new canister information.

1. Raise the top cover of the Accutinter so you can see inside the canisters.

2. Remove the caps from each canister one at a time and prepare to fill them with colorant.

3. Shake the colorant for three minutes before pouring into the canisters. Fill the canister no more than one inch above the top of the agitator blade. Do not rest the can on top of the agitator.

4. Update ColorPro™ with the canister level information after you have filled all of the canisters (see Maintenance and Service section).
Preparing the canisters

**Fill menu**

Use this to update the software after you have filled all of the canisters.

From the main menu, select **Maintenance (F3)**, then select **All (F2)**.

Press Enter or click the **Fill to top** button.

When prompted, "...are you sure you want to fill all?", press Enter or click yes.

Press **Esc** to return to the main menu.
Preparing the canisters

After you have filled the canisters and updated the software, you must do an initial dispense to make sure the Accutinter is working. From the main menu of ColorPro™ select Maintenance. Then, select the Purge tab. Purge will dispense a small amount of colorant for your initial dispense.

1. Select All. Press Enter.

2. When Purge button is highlighted, press Enter a second time or press F3.

3. Place a container underneath the nozzle when prompted. Press Enter.
Welcome to ColorPro™

ColorPro™ puts usability at your fingertips with all the features that allow you to operate your Accutinter 2000 dispenser. Instantly dispense any formula in your database, perform maintenance, run usage reports, estimate paint coverage for any room, adjust formulas, and calculate the formulas for lightening and darkening paint.

Clean the lines to keep your machine running at it’s best.
Dispense any formula in your database and make adjustments.
Fill the canisters with colorant.
Save the formula adjustments you make.
What are the basics?
The ColorPro™ main screen is your starting place.

The main screen of ColorPro™ features seven selections.

**Dispense**
Click here to go to the Formula book, Manual Dispense, and Custom Dispense menus.

**Maintenance menu**
Click here to add colorant, purge lines, and agitate.

**Utilities menu**
Use this to update software, run reports, save data and test dispenser.

**Customize menu**
Use this to change the properties and options for the dispenser.

**About menu**
Click here to see ColorPro™ information.

**Help menu**
Click here to look up answers to your ColorPro™ questions.
What are the basics?
If you select **Dispense**, the **Formula Book**, **Manual Dispense**, and **Custom Formula** menus will open.

The **Formula Book** allows you to select, dispense, and adjust the formula. You can also estimate paint quantities, and enter new formulas.

- **Select Formula**
  Enter information in the text boxes about the colorants you want to dispense.

- **Dispense**
  Click here to dispense the colorant after you enter the formula.

- **Formula quantities**
  The colorant quantities needed to dispense your formula will show here.

- **Coverage**
  Use the paint wizard to estimate how much paint is needed for your

- **Help**
  Click here to get answers to your ColorPro™ questions.

- **Main**
  Click here to return to the main screen.

- **Adjust**
  Click here to adjust individual formulas.

- **Label**
  Click here to print labels for your paint containers.
What are the basics?
If you select the Manual Dispense tab, you can manually dispense or adjust colorant formulas.

Manual Dispense allows you to dispense the amount of colorant you need to - with a maximum of two shots at once. Enter the amount in the text box first and then click Dispense.

Ingredient
These are the colorants your dispenser uses.

Enter amount
Enter the amount or use the scroll arrows for the colorant you want to dispense.

Dispense
Click here to dispense the colorant after you enter the formula information. You will receive a prompt when the dispense is complete. Click Done.

New Formula
Click here to make new formulas that are not in your database.

Save
Click here to save formula information. Enter the job information in the text boxes in the Save as Custom menu and click Save.
What are the basics?
If you select **Custom Formula**, you can save important customer and job information.

**Custom Formula** allows you to enter and save customer information, plus you can dispense the formula.

**Customer Information**
Enter information in each textbox about the formula you want to dispense. Make sure you fill in each field.

**Dispense**
Click here to dispense the colorant after you enter the formula.

**New Formula**
Click here to start a new formula.

**Paint Coverage Wizard**
To estimate how much paint you need for a specific room, use Paint Coverage Wizard.
What are the basics?
If you select **External Data Source**, you can transfer a formula into ColorPro™ from a Spectrophotometer or other source.

**External Data Source** allows you to enter and dispense a formula scanned by a Spectrophotometer.

- **Input List**
  - Select the colorant you want to dispense from the formulas displayed in the list.

- **Dispense**
  - Use this to dispense the formula you selected from the input list.

- **Remove Formula**
  - Click here to remove the formulas from the input list.

- **Adjust**
  - Click here to adjust the colorants in the formulas in the Color Correction menu.

- **Save**
  - Click here to save formula information.

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Fluid Management Customer Service 1.800.462.2466
What are the basics?
If you select Adjust from the Formula Book, you can adjust the original formula in the Color Correction menu.

**Color Correction** allows you to adjust the original formula, label and dispense the adjusted formula.

**Current Formula**
Enter the formula adjustment you want to make in the textboxes for the corresponding colorant.

**Dispense Change**
Click here to dispense the formula.

**Label**
Click here to print labels if you have an optional label printer.

**Dispense Total**
Click here to dispense the total amount of the original formula.

**Total**
Allows you to view the colorant changes after you enter them in the Change box.
What are the basics?
If you select **Color Calculator**, you can calculate the formula or percentage changes for a different container size.

- **Color Calculator** allows you to adjust the formula for the container size you want to dispense into. **Percent change** allows you to determine how to lighten or darken any formula.

- **Information area**: Click here to view the change from the original formula and the formulas that have changed.

- **Scaling Method**: Select the container size you want to use or enter an amount in **Percent change** to lighten or darken the formula. +100 is the lightest and -75 is the darkest.

- **Transfer Change**: Select the container size you want to dispense or the percentage change.

- **Start Over**: Click here to start your calculation over again.

- **Transfer Total**: Click here to return to the Manual Dispense screen. The percentage changes you entered will adjust automatically.

- **Back**: Click here to return to the previous screen.

- **-75% Lightest**
- **+100 Darkest**
What are the basics?
If you select **Maintenance**, you can fill, purge, agitate, and run diagnostics for the dispenser.

The **Fill** menu allows you to add colorant when the canisters need refilling.

1. **All**
   - Click here to fill all of the colorants at once.
   - OR
   - Select your choice of colorants to fill the canister.
   - Enter the amount of colorant you added into the text box when prompted.

2. **Undo**
   - Click here to restore the old fill values.

   **NOTE!**
   *Use Undo only if you want to recall a mis-entered colorant.*

3. **Fill to top**
   - Click here to fill the canister to the top after you’ve selected the colorant in Step one.

   **Colorant volumes**
   - These are the volumes the canisters hold for each colorant.

   **Main**
   - Click here to return to the main screen.

   **CAUTION**
   - Use caution when filling to ensure correct levels.
What are the basics?
If you select **Maintenance**, you can purge the lines.

The **Purge** menu allows you to maintain the nozzle lines by preventing air from reaching the nozzle openings. Purging helps prevent the build up of dried colorants that contribute to dripping and mis-tints. Click on the **Purge** button after selecting a colorant.

1. **Click here to purge all of the cartridges at once.**

2. **OR** Select your choice of colorants to purge. ColorPro will give you a text message indicating the last time the colorant was purged.

   **Reset Timer** Click here to reset the timer for the last time you purged.

   **Purge** Click here to purge after you’ve selected the colorant in Step one.

   **Help** Click here to get answers to your ColorPro™ questions.

   **Main** Click here to return to the main screen.
What are the basics?
If you select **Agitate**, you can agitate the colorants inside the canister.

The **Agitate** menu allows you to stir the colorant in the canister so the Accutinter dispenses accurately.

1. **Agitate** menu:
   - **All**: Select all to agitate all of the colorants at once.
   - **Enter time in text box**: Enter the amount of time you want to agitate the colorant after filling the canister.

   **NOTE!**
   *The default is 30 seconds per hour. Fluid Management recommends agitating for 5 minutes if you do a manual agitation.*

2. **Main** menu:
   - **Agitate**: Click here to begin the agitation cycle. A window will appear that indicates the progress. Wait until the blue bar reads 100%. Press **Abort** or **Esc** to stop the cycle.
   - **Main**: Click here to return to the main screen.
What are the basics?
If you select **Test**, you can run diagnostics for the Accutinter 2000.

The **Test** menu allows you to run diagnostics on the Accutinter. If you receive a **Pulse Failure** message in ColorPro, you can use the **Pulse Test** to repair the problem.

1. **Available Tests**
   - Select Pulse Test.

2. **Test (F2)**
   - Click here to begin the pulse test. Note which colorants you receive Pulse failure messages about for future reference.

3. **Main (Esc)**
   - Click here to return to the main screen.
   - Repeat up to three times until you get a prompt that says **“Pulse test passed.”**
   - If you never receive a passed message, call Customer Service for assistance.

   ![Pulse Test Passed](image)
What can I do with Customize?

Use Customize for adjusting the various features and options in ColorPro™.

The Customize menu allows you to customize many of the regularly used features in ColorPro such as: label printing, machine shut down, and the screen appearance.

Options

Click here to enable the optional barcoding, prompt you for a container before dispensing, allow you to color correct formulas, and more.

Enable Bar Coding

You must have the correct database loaded to support bar code scanning. If so, check the box to enable the optional bar code scanner to work.

NOTE!

Call Fluid Management Customer Service at 1.800.462.2466 to receive your authorization code.
What can I do with Customize?

Use **Appearance** to adjust the tab names and appearance of the ColorPro™ screen.

The **Appearance** menu allows you to select which menus you want to view from ColorPro.

**Active Tabs**
Check each box for the menu you want to view from the **Dispense** menu.
Click OK.
Then, click the **Apply** button (F3).
Fluid Management recommends you check all three boxes for the best performance of your Accutinter 2000.

**Apply (F3)**
Click here to apply the tabs you have selected.
What can I do with Customize?
Use **Print** to adjust the label information.

Select the **Print** tab from the **Customize** menu. Check the boxes for the information you want printed on your optional label printer.*

* The printer is an optional accessory.
What can I do with Customize?
Use Maintenance for adjusting the various features and options for ColorPro™.

Select the Maintenance tab from the Customize menu.

1. Check the boxes for the actions you want to allow when filling canisters and performing maintenance functions.
   - **Allow Fill All**
     Allows you to fill all of the canisters at once and update in ColorPro.
   - **Allow Fill to Top**
     Allows you to fill each canister one at a time and update in ColorPro.
   - **Confirm Fill to Top**
     Check the box to get a prompt that asks you for confirmation that you want to fill the canisters to the top.

2. Click here to apply the options you have selected.

3. **OK (F2)**
   Click here to move to the next screen.
What can I do with Utilities?
Use the **Reports** menu to run usage reports about your dispenser.

1. Select the report type you want to run from the drop down window. Select the output method. Enter the dates you want the report for, and select how many formulas.

2. Click here for *ColorPro* to run the report you selected.
Where do I go to learn more?
Look in **Using ColorPro™** for more information.
Your Accutinter 2000 depends on clean and well maintained parts. To ensure dispensing accuracy and increase the operation of your Accutinter 2000, follow the maintenance schedule detailed below:

**PERFORM EVERY DAY:**
- Clean each of the nozzles with the recommended nozzle cleaner.
- Add water to the inside of the nozzle cover cup liner (PN 23619)
- Remove all excess paint and debris from the nozzle area.
- Complete a purge by using ColorPro™ (instructions in Maintenance section).
- Clean all accessible surfaces and cabinet with a mild cleaning solution.

**PERFORM EVERY WEEK:**
- Clean the spill trays and canisters.

**EVERY SIX MONTHS:**
- Check the calibration and re-calibrate as required.*

* This should be performed by a Fluid Management authorized service technician.

Unplug from outlet before servicing and cleaning.
Your Accutinter 2000 will perform best if the nozzle and colorant lines are purged and cleaned every day. If you use your machine frequently, Fluid Management recommends cleaning and purging the nozzle at least once a day. The instructions for daily nozzle cleaning and for filling the colorant canisters are on the next two pages.

1. Open the nozzle cover and clean nozzle.
   • From the main screen, select Maintenance (F3).
   • Select Purge Tab. Click the Open/Close button (F7).
   • When prompted, click OK.

2. Remove the cup holder from the nozzle closer.
   • Twist the nut on bottom of cup liner to the left until loose.
   • Slide cup holder towards you to remove.

3. Clean each nozzle opening with a nozzle cleaner.
   • Use a circular motion to make sure each opening is clean.

4. Clean the inside of the cup liner with water.
   • After cleaning, add enough water to the cup liner to cover the bottom and keep the colorant moist.
   • Put the cup holder back into the bracket.

5. Purge colorants.
   • Make sure All button is selected on left hand side of screen.
   • Click Purge button (F3). When prompted, place a container under nozzle.
   • Select Dispense, when prompted (F2).

6. Make sure the nozzle is closed.
   • After dispensing, the nozzle will automatically close.
Follow these instructions to fill the colorant canisters located inside the top cabinets of your Accutinter 2000.

**NOTE!**

1. Shake the colorant can for one to three minutes to mix the colorant.

2. Remove the canister covers one at a time so the colorants don’t get mixed up.

3. After shaking, open the can and slowly add the colorant to the open canister.

4. Update ColorPro for each colorant you add:
   - Select Maintenance (F3) and click the colorant button from the left hand side.

5. **Amount in Quarts (F4)**
   - Press Enter

   Enter the amount of colorant you added to the canister in the textbox. Press Enter.

6. **NOTE!** Repeat entire process for each empty canister.
# What if I have a problem?

**Frequently Asked Questions**

## Troubleshooting chart

Most of the problems listed in this section can be prevented by daily cleaning and purging of the nozzle. See the Maintenance section for instructions.

Using the chart below, locate the problem, then check the cause from the second column. Take the action recommended in the last column.

When appropriate, refer to the Service and Repair section of this manual to correct the problem. **Contact Fluid Management Customer Service if you are unable to find a resolution.**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>FIRST CHECK:</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>The machine is dispensing mis-tints.</td>
<td>...Is the canister out of colorant? &lt;br&gt; ...Have the nozzle openings been cleaned recently? &lt;br&gt; ...Is the Accutinter dispensing accurately?</td>
<td>▪ Look inside the canister and compare the contents with what the fill settings in ColorPro say. If they do not match, fill the canister and adjust colorant level in ColorPro. &lt;br&gt; ▪ Clean each nozzle opening with a nozzle cleaning tool. Remove all excess colorant. &lt;br&gt; ▪ Complete a purge using ColorPro™. &lt;br&gt; ▪ Repeat cleaning and purging if necessary. &lt;br&gt; ▪ Dispense one ounce of each colorant into a marked measuring container. If you notice any colorants do not dispense one ounce, call <strong>Customer Service</strong>. &lt;br&gt; ▪ Call <strong>Customer Service</strong> for a service technician near you.</td>
</tr>
<tr>
<td>The colorant shoots to the side during a dispense.</td>
<td>...Clean all the nozzles using a nozzle cleaning tool.</td>
<td>▪ Clean the nozzle. Remove all excess colorant. &lt;br&gt; ▪ Purge the line. &lt;br&gt; ▪ Repeat if necessary. &lt;br&gt; ▪ Dispense.</td>
</tr>
</tbody>
</table>
# Troubleshooting chart

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>FIRST CHECK:</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>The nozzle closer is not opening or closing.</td>
<td>...Determine if the nozzle closer is covered with dried colorant and debris.</td>
<td>▪ Clean all dried colorant and debris from nozzle closer area.</td>
</tr>
<tr>
<td></td>
<td>...Does the nozzle closer linkage need lubrication?</td>
<td>▪ Grease the lead screw.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ If the nozzle closer still does not close, call <strong>Customer Service</strong>.</td>
</tr>
<tr>
<td>Colorant drips or runs after dispensing.</td>
<td>...Is ColorPro™ prompting you to fill the canister?</td>
<td>▪ If yes, fill the canister (see Maintenance, page 14).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Agitate for three minutes (see ColorPro section, page 26).</td>
</tr>
<tr>
<td></td>
<td>...Has the nozzle been cleaned and purged?</td>
<td>▪ If the canister is full, clean the nozzle and complete a purge using ColorPro™.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Repeat if necessary.</td>
</tr>
<tr>
<td>The canister cover and lids need to be cleaned.</td>
<td></td>
<td>▪ Scrape the excess colorant off the canister cover with a putty knife.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Soak the canister covers in hot water and mild detergent. Wipe off dried colorant.</td>
</tr>
<tr>
<td>The printer is not printing.</td>
<td>...Is the Accutinter unit plugged in and turned on?</td>
<td>▪ Make sure that the device is properly connected to the computer.</td>
</tr>
<tr>
<td></td>
<td>...Is the printer connected to the computer?</td>
<td>▪ Try unplugging the printer for 30 seconds and then plug in again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Try to print again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ If that doesn't work, reboot the computer.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ If that doesn't work, then contact the printer manufacturer 1.800.426.7827</td>
</tr>
</tbody>
</table>
### Troubleshooting chart

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>FIRST CHECK:</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>General ColorPro™ related</td>
<td>…Make sure ColorPro™ is installed.</td>
<td>▪ Turn on the computer. Does the ColorPro™ main screen open up? If yes, then ColorPro™ is installed.</td>
</tr>
<tr>
<td></td>
<td>…Try restarting ColorPro™ to see if that solves the problem.</td>
<td>▪ Follow directions below.</td>
</tr>
<tr>
<td></td>
<td>…Can you find the answer in the Help section of ColorPro™?</td>
<td>▪ Look in ColorPro™ Help for instructions and troubleshooting information.</td>
</tr>
<tr>
<td></td>
<td>…Make sure your computer is properly connected.</td>
<td>▪ Make sure the communication cable connects the computer to the dispenser.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ If screen savers have been installed recently, they may conflict with ColorPro™. Uninstall the screen savers and reboot the computer.</td>
</tr>
<tr>
<td>How do I exit ColorPro™?</td>
<td></td>
<td>▪ Go to the main menu. Press “Alt + Q” on your keyboard.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ If the computer is frozen, hold down the power button on the CPU until the computer turns off. Wait thirty seconds and restart the computer.</td>
</tr>
<tr>
<td>How do I restart the computer?</td>
<td></td>
<td>▪ Press Alt + Q.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Click OK at prompt.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Select Start from the bottom left hand side of the screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Select Shut Down or Turn Off. At prompt, select Restart from scroll down window.</td>
</tr>
</tbody>
</table>
## What if I have a problem?

### ColorPro™ Troubleshooting

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>FIRST CHECK:</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A message in ColorPro™ says, “Communication to dispenser has been severed. Recheck connections and try again.”</td>
<td>Make sure the communication cable is connected between the computer and the machine.</td>
<td>Exit ColorPro™ (Alt + Q).&lt;br&gt;Click Start button from Windows desktop located on the lower left side of screen and then click <strong>Shut Down</strong>. Click <strong>What do you want your computer to do?</strong> Select down arrow, then select <strong>Shut Down</strong>. Click OK at prompt. Unplug the dispenser power cord from the power outlet. Wait 30 seconds. Replug the power cord back into the outlet and wait 30 seconds. Turn the computer back on. If you still receive the message, call <strong>Customer Service</strong> for assistance.</td>
</tr>
<tr>
<td>A message in ColorPro™ says, “Encoder pulse failure. Motor failed on canister containing…”</td>
<td></td>
<td>Go to <strong>Maintenance</strong> (F3). Click on the <strong>Test</strong> folder. Select <strong>Pulse Test</strong>. Then, click on Test (F2). If the test fails, call <strong>Customer Service</strong>.</td>
</tr>
<tr>
<td>ColorPro™ gives you a message that says the colorant canister needs to be filled...</td>
<td>See the colorant canister filling instructions in the Maintenance section on page 14.</td>
<td></td>
</tr>
<tr>
<td>The optional bar code scanner available in ColorPro™ Professional won’t work...</td>
<td>Select the <strong>Customize</strong> menu.&lt;br&gt;Make sure the <strong>Enable Barcoding</strong> box is checked in the <strong>Options</strong> menu.&lt;br&gt;Click <strong>Apply</strong>, and then click <strong>OK</strong> (F2).</td>
<td></td>
</tr>
<tr>
<td><em>If you suspect a problem with the colorants or cartridges...</em></td>
<td>Contact your department manager or store manager.</td>
<td></td>
</tr>
</tbody>
</table>

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**Fluid Management Customer Service 1.800.462.2466**

39
Fluid Management Customer Service:
1-800-462-2466

Service:

- FM Direct® Factory Direct Service Technicians located throughout the United States, Canada and the Bahamas.
- On site setup and training for store personnel.

Always observe the following precautions in order to reduce the risk of accident:
Do not attempt to service a product yourself unless instructed to do so by the Customer Support Center. Use only a service provider who is approved to repair your particular product.

**Note:** Some parts can be upgraded or replaced by the customer. These parts are referred to as Service parts. Fluid Management expressly identifies parts as such, and provides documentation with instructions when it is appropriate for customers to replace those parts. You must closely follow all instructions when performing such replacements. Always make sure that the power is turned off and that the product is unplugged from any power source before you attempt the replacement.

**Save time and money:** If something should go wrong, we suggest consulting the maintenance and service section of this book. It is designed to solve basic problems before consulting a service technician. It also provides replacement part information for you.

**However, should you need assistance, please have your model and serial number ready. Be located near your machine when you call and have a Purchase Order number if ordering parts.**

On the right side of the machine is a black and silver sticker. It includes the serial number and model number of your machine. Please make a note of these numbers below:

<table>
<thead>
<tr>
<th>Date of purchase:</th>
<th>Model Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Serial Number:**

<table>
<thead>
<tr>
<th>Serial Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Your Service Technician’s Name:**

<table>
<thead>
<tr>
<th>Your Service Technician’s Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**FM Direct® Service Technician Locations as of 2006:**

<table>
<thead>
<tr>
<th>City</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seattle, WA.</td>
<td>Atlanta, GA.</td>
</tr>
<tr>
<td>Sacramento, CA.</td>
<td>San Diego, CA.</td>
</tr>
<tr>
<td>San Jose, CA.</td>
<td>Winston-Salem, N.C.</td>
</tr>
<tr>
<td>Los Angeles, CA.</td>
<td>Baltimore, MD.</td>
</tr>
<tr>
<td>Denver, CO.</td>
<td>Yonkers, N.Y.</td>
</tr>
<tr>
<td>Phoenix, AZ.</td>
<td>Syracuse, N.Y.</td>
</tr>
<tr>
<td>St. Louis, MO.</td>
<td>Hartford, CT.</td>
</tr>
<tr>
<td>Dallas, TX.</td>
<td>Philadelphia, PA.</td>
</tr>
<tr>
<td>San Antonio, TX.</td>
<td>Columbus, OH.</td>
</tr>
<tr>
<td>Houston, TX.</td>
<td>Detroit, MI.</td>
</tr>
<tr>
<td>Memphis, TN.</td>
<td>Chicago, IL.</td>
</tr>
<tr>
<td>Miami, FL.</td>
<td>Twin Cities, MN.</td>
</tr>
<tr>
<td>Orlando, FL.</td>
<td>Richmond, VA.</td>
</tr>
<tr>
<td>Pensacola, FL.</td>
<td>Toronto, CANADA.</td>
</tr>
</tbody>
</table>

**Fluid Management Customer Service:**

1-800-462-2466

**What’s next?**
This section is designed to assist you in:

- IDENTIFYING SERVICE FUNCTIONS
  and
- IDENTIFYING REPLACEMENT PARTS

Occasionally, a customer may experience a complication with one of our products. If this should happen, please call our toll-free number and we can help you solve the problem or send you replacement parts.

**TERMS:** Unless prior arrangements have been made, parts will be shipped **UPS - C.O.D.** All prices are **FOB, Wheeling, Illinois** and are subject to change without notice.

In all correspondence or phone orders, please state the model number and the serial number of the machine.

Orders less than $30.00 will be assessed an $8.00 handling charge.

There is a restocking fee of 25% on all returned goods.

**RETURNS:** No parts are to be returned without prior authorization. A Returned Goods Authorization (**RGA**) or Returned Materials Authorization (**RMA**) number is required.

All warranty repairs must be performed by FM Direct® or FM authorized service personnel. Any service work performed by non-authorized service personnel will void the FM Original Equipment Manufacturer warranty.
## Accutinter 2000 Dispenser Main Components

### Fluid Management Customer Service 1.800.462.2466

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30266</td>
<td>Front panel assembly</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29831</td>
<td>Nozzle cover</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>29927</td>
<td>Monitor / keyboard / arm assembly</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>29768</td>
<td>Nozzle closer assembly</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>29931</td>
<td>15” LCD Monitor, silver</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>29750</td>
<td>Top cover assembly</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>29313</td>
<td>DVX Pump assembly (2 per module)</td>
<td>As needed</td>
</tr>
<tr>
<td>8</td>
<td>29741</td>
<td>Hinge (not shown)</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>29905</td>
<td>Dual canister assembly</td>
<td>4</td>
</tr>
<tr>
<td>10</td>
<td>29924</td>
<td>Power supply</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>29837</td>
<td>Quart shelf</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>29914</td>
<td>Floor stand (optional)</td>
<td>1</td>
</tr>
<tr>
<td>ITEM</td>
<td>PART NUMBER</td>
<td>DESCRIPTION</td>
<td>QUANTITY</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>1</td>
<td>29913</td>
<td>AT2000 base with stand assembly (includes 29813, 29802 and 29913)</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29817</td>
<td>5 Gallon shelf</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>NSS*</td>
<td>Rivet, 1/4-20, .027-.16 Grip</td>
<td>As needed</td>
</tr>
<tr>
<td>4</td>
<td>NSS*</td>
<td>HHCS, 1/4-20 x 5/8, C/Z screws</td>
<td>As needed</td>
</tr>
<tr>
<td>5</td>
<td>NSS*</td>
<td>Lock washer, 1/4, split, C/Z</td>
<td>As needed</td>
</tr>
<tr>
<td>6</td>
<td>NSS*</td>
<td>Rivet, 10-24, .020 -.13 GRIP</td>
<td>As needed</td>
</tr>
<tr>
<td>7</td>
<td>NSS*</td>
<td>PHCS screw, 10-24 x 5/8, cross</td>
<td>As needed</td>
</tr>
<tr>
<td>8</td>
<td>29818</td>
<td>Front stand panel</td>
<td>As needed</td>
</tr>
</tbody>
</table>

*Not sold separately.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>28930</td>
<td>Fixed casters</td>
<td>As needed</td>
</tr>
<tr>
<td>2</td>
<td>28931</td>
<td>Swivel casters</td>
<td>As needed</td>
</tr>
<tr>
<td>3</td>
<td>NSS*</td>
<td>Screws, HHCS, 5/16 - 18 x 1, Grade 5</td>
<td>As needed</td>
</tr>
<tr>
<td>4</td>
<td>NSS*</td>
<td>Lock washers, 5/16, split c/z</td>
<td>As needed</td>
</tr>
</tbody>
</table>

*Not sold separately.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29752</td>
<td>Lower front panel</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>30262</td>
<td>Right front cover</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>30263</td>
<td>Front panel cover, LHS</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>29876</td>
<td>AT2000 Hinge 2&quot; x 8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>29875</td>
<td>AT2000 Hinge 2&quot; x 15.5&quot;</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>29871</td>
<td>Door cover boards</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>NSS*</td>
<td>Hex nuts, #6-32 KEPS</td>
<td>As needed</td>
</tr>
</tbody>
</table>

*Not sold separately.
### Top cover assembly 29750, Quart Shelf 29837

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29750</td>
<td>Top cover</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29741</td>
<td>Piano hinge</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>27265</td>
<td>Lid arm</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>29837</td>
<td>Quart shelf</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>NSS*</td>
<td>10-32 Nyloc nut (not shown)</td>
<td>As needed</td>
</tr>
<tr>
<td>6</td>
<td>NSS*</td>
<td>Spacer, #10 (not shown)</td>
<td>As needed</td>
</tr>
<tr>
<td>7</td>
<td>NSS*</td>
<td>Washer, #10 (not shown)</td>
<td>As needed</td>
</tr>
<tr>
<td>8</td>
<td>NSS*</td>
<td>Rivet, 3/16&quot; diameter, 1 1/8&quot; - 1/4&quot; grip, steel</td>
<td>11</td>
</tr>
</tbody>
</table>

*Not sold separately.

Fluid Management Customer Service 1.800.462.2466
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29771</td>
<td>Lower slider guide</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29772</td>
<td>Upper slider guide</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>29776</td>
<td>Cup holder bracket</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>29775</td>
<td>Lead screw</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>29777</td>
<td>Nozzle cup</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>29778</td>
<td>Gasket seal</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>28811</td>
<td>Stepper motor frame</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>23619</td>
<td>Cup liner</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>27927</td>
<td>Knurled thumb screw 1/4-20x3/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>29583</td>
<td>Opto switch board assembly</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>NSS*</td>
<td>Shoulder screw, 1/4 x3/16, #10-24 UNC-3A</td>
<td>2</td>
</tr>
</tbody>
</table>

*Not sold separately.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29910</td>
<td>Nozzle block</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29831</td>
<td>Nozzle cover</td>
<td>1</td>
</tr>
</tbody>
</table>
# Electronics and power supply

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29350</td>
<td>Dispenser controller board</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>29550</td>
<td>DC Power distribution board</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>29252</td>
<td>PCB Dual stepper drivers</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>26620</td>
<td>Power entry module</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>30186</td>
<td>Power supply, 24 V. DC 150 W, switching</td>
<td>1</td>
</tr>
</tbody>
</table>
## 2.5 Canister Assembly 29905

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29905</td>
<td>Dual canister assembly module</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>30006</td>
<td>2.5 Liter Plastic canister</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>29313</td>
<td>17 Frame DVX Pump Assembly</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>29904</td>
<td>24VDC Gearbox motor</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>4430002</td>
<td>5/16 Agitator connector</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>29917</td>
<td>Reducing elbow, 3/8&quot; - 5/16&quot;</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>29252</td>
<td>PCB Dual stepper drive</td>
<td>1</td>
</tr>
</tbody>
</table>
## Canister with agitator rod replacement kit 29981

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30006</td>
<td>2.5 Liter plastic canister</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>30107</td>
<td>Canister center tube</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>8100311</td>
<td>Top stirrer guide bushing</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>810B010</td>
<td>O-Ring, 1/4 x 3/8 x 1/16</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>29779</td>
<td>Agitation rod</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>30109</td>
<td>Stem valve</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>29919</td>
<td>Canister valve spring</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>29934</td>
<td>Canister filter screen</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>30106</td>
<td>Agitator blade (sold individually)</td>
<td>As needed</td>
</tr>
<tr>
<td>10</td>
<td>NSS*</td>
<td>Cotter pin, 1/16 x 1/2 SS</td>
<td>As needed</td>
</tr>
</tbody>
</table>

*Not sold separately.*
DVX Pump Assembly 29313

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29313</td>
<td>DVX Pump assembly</td>
<td>1</td>
</tr>
</tbody>
</table>

Fluid Management Customer Service 1.800.462.2466
Monitor / Keyboard Replacement kit 30393

**Note!** Insert top and bottom screws into bracket with a 5/16" allen wrench. Make sure to put the washer between the arm and the bracket so it moves easily.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION 30393</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29794</td>
<td>Monitor arm assembly</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>NSS*</td>
<td>Hex nut, 3/8-16 x 7/8 LG</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>NSS*</td>
<td>Screw, 3/8-16 x 7/8 LG</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>NSS*</td>
<td>Nylon washer, .34 x .74-.87 OD x .062 THK</td>
<td>2</td>
</tr>
</tbody>
</table>

*Not sold separately.

AT 2000 Arm Replacement kit 30392

**Note!** Insert top and bottom screws into bracket with a 5/16" allen wrench. Make sure to put the washer between the arm and the bracket so it moves easily.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION 30393</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29882</td>
<td>Monitor arm</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>NSS*</td>
<td>Nylon washer, .34 x .74-.87 OD x .062 THK</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>NSS*</td>
<td>Screw, 3/8-16 x 7/8 LG</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>NSS*</td>
<td>Hex nut, 3/8-16, Nylon</td>
<td>2</td>
</tr>
</tbody>
</table>

*Not sold separately.
**ColorPro™ Upgrades**

Purchasing Upgrades, Additional Licenses, and Technical Support Software upgrades and technical support are available for a fee through Fluid Management. For information about purchasing additional licenses for ColorPro, call Customer Service at 1-800-462-2466.

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**Purchasing additional accessories**

During and after the warranty period, you can purchase additional services such as support and installation for Fluid Management equipment and accessories like bar code scanners, label printers, computers, and monitors.

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**Calling for service**

If you have tried to correct the problem yourself and still need help during the warranty period and after, you can get support and information by telephone through the Fluid Management Customer Service Center. The following services are available:

**Problem determination** - Trained personnel are available to assist you with determining what kind of action is necessary to fix the problem and help you order parts.

**Engineering change** - Occasionally, there might be changes or parts that are required for your machine, after a product has been sold. Fluid Management will make selected parts available to your equipment.

Have the following information available when calling Fluid Management Customer Service:

- A description of the problem (for example, the dispenser is producing mistints, or the computer is frozen).
- What you have tried to do already
- The type of machine, computer and software
- The serial number of the machine
- The version of software, third party software, external devices, and so in (especially if the issue involves software you have added to the computer)

*Be in front of the machine when you call so you can take the steps the technician suggests.*
These parts can be used to clean and maintain your Accutinter 2000. Daily maintenance and cleaning are crucial to your machine's performance. The main areas that need attention are the nozzles and the nozzle closer. For more how to's, see the maintenance section of this manual and the daily maintenance label on your machine.
FLUID MANAGEMENT LIMITED WARRANTY

WARRANTY COVERAGE
If within one year from the date of shipment any equipment covered by this warranty shall prove to be defective in material or workmanship upon examination by Fluid Management, Inc. (“SELLER”). SELLER will supply identical or substantially similar replacement equipment or parts, or at SELLER’s option will repair or allow credit for such equipment. This warranty does not cover labor costs incurred by PURCHASER for repair of equipment except that the cost of labor authorized by the SELLER shall be included for repairs to the following major components for claims made during the first six months following shipment or proven installation date: crankshafts, frames, motors, speed reducers, power supplies, transformers, and circuit boards, relays, relay panels, drive gears, gear pumps, solenoid valves, and bearings. Labor is not covered for minor items such as fuses, indicator lights, can adapters, or leveling feet. For items not listed SELLER will determine if it is a major or minor component. The only exception to the above labor warranty is that on all equipment, labor will be authorized by the SELLER for a period of one year from shipment or proven installation on major components. All labor must be approved in advance by SELLER and performed by Fluid Management employees or Authorized Service Center.

OBTAINING WARRANTY SERVICE
While your equipment is under warranty, do not attempt on-site repairs or parts replacement without first contacting Fluid Management at 1-800-462-2466. After the warranty expires, on site servicing and parts replacement are available from an authorized service technician from Fluid Management. Contact Fluid Management’s After Sales Support for arrangements. To expedite this process, prior to calling have your model number and serial number available.

EXCLUSIONS AND LIMITATIONS
Any maintenance, repairs, and replacements attributable to “Abuse” will be billed separately on a time and materials basis, which are not covered under the agreement. “Abuse” includes but is not limited to: physical damage to the equipment, excluding normal wear and tear; an Act of God; colorant in the wrong canister; colorant related issues (beads in colorant, etc.); mis-tints or fills; over-filling of canisters; operator error; lack of daily maintenance and/or abuse.

Due to computer technology advancements, Fluid Management cannot offer an extended warranty for computer and/or computer related equipment, such as monitors, printers, or other peripheral equipment. The computer warranty is that of the standard manufacturer’s warranty coverage and not extends above or beyond Fluid Management’s Limited Warranty agreement.

PURCHASER MUST NOTIFY SELLER OF A WARRANTY CLAIM WITHIN THIS PERIOD. NO RETURNS ARE AUTHORIZED WITHOUT A COMPLETED AUTHORIZATION FORM AND NUMBER. Any repair or replacement provided hereunder shall be warranted against defects in material or workmanship for the unexpired portion of the limited warranty. This warranty does not cover software, which is covered by a separate warranty.

DISCLAIMER
THIS WARRANTY SHALL BE APPLICABLE ONLY IF THE EQUIPMENT SHALL BE THE PROPERTY OF THE ORIGINAL PURCHASER OR USER, AND SHALL HAVE BEEN PROPERLY USED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUAL OR INSTRUCTIONS PROVIDED WITH THE EQUIPMENT AND FOR THE PURPOSE FOR WHICH SOLD. NORMAL WEAR AND TEAR IS NOT COVERED BY THIS WARRANTY. THIS WARRANTY SHALL NOT BE APPLICABLE IF THE EQUIPMENT OR ANY PART THEREOF HAS BEEN REPAIRED OR REPLACED BY THE BUYER WITHOUT THE SELLER’S PRIOR PERMISSION OR HAS BEEN SUBJECTED TO ANY ACCIDENT, CASUALTY, MISAPPLICATION, ALTERATION, ABUSE OR MISUSE.
NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING A WARRANTY OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HAS BEEN OR WILL BE MADE BY OR ON BEHALF OF SELLER OR BY OPERATION OF LAW WITH RESPECT TO THE EQUIPMENT AND ACCESSORIES OR THEIR INSTALLATION, USE, OPERATION, REPLACEMENT, OR REPAIR. SELLER SHALL NOT BE LIABLE BY VIRTUE OF THIS WARRANTY, OR OTHERWISE, FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE EQUIPMENT, WHETHER OR NOT SELLER WAS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES. IRRESPECTIVE OF ANY STATUTE, THE BUYER RECOGNIZES THAT THE EXPRESS WARRANTY SET FORTH ABOVE IS THE EXCLUSIVE REMEDY TO WHICH IT IS ENTITLED AND WAIVES ALL OTHER REMEDIES, STATUTORY OR OTHERWISE. REPAIR OR REPLACEMENT SHALL BE BUYER'S SOLE REMEDY UNDER THIS WARRANTY.