Diagram

Description automatically generated

**Festoon/Piddler**

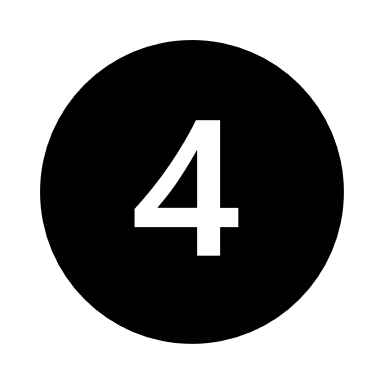
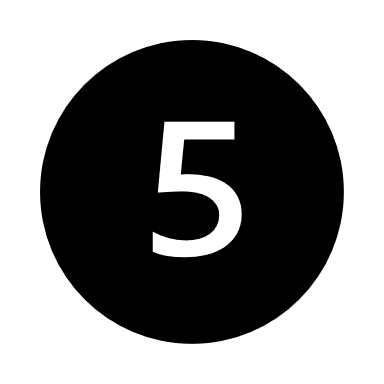
**MANUAL**

**Slipstream**

A picture containing text, computer

Description automatically generated

**Control Panel Parts**



1. Breakers
   1. F1 - Motor 1 (Container Position)
   2. F2 - Motor 2 (Fiber Ramp Position)
   3. F3 – Motor 3 (Pinch Roller)
2. 24V Power Supply
3. ClearCore MicroController
4. 24V Relay – Motor 3 Enable
5. Fuses and Terminals – 24V

Use the knob located inside of the panel to the right (labeled “Ramp Speed” to adjust the pinch roller speed.

**Ramp Back and Forth Speed Adjustment**

Use the bottom knob (labeled “Pinch Roller Speed” on the control panel to adjust the pinch roller speed.

**Pinch Roller Speed Adjustment**

1. Press and hold the black Pause button.
2. To continue, Press the Green Start button.

**How to Pause Machine**

1. Plug machine in.
2. Clear machine of any obstacles and hazards.
3. Press Green Start Button

WARNING! MOVEMENT! Machine will home the container motor.

**How to Start Machine**

1. Download and Install MSP Software from Teknic:

<https://teknic.com/files/downloads/motor_setup.zip>

(Requires Teknic registration.)

1. Open MSP software.
2. Plug USB into motor.
3. MSP Software will automatically connect and open settings.
   1. Make sure “I have already run auto-tune” is selected and hit next.
4. Position is adjusted by adjusting the “counts”. Position 1 and Position 2 are the ends of the movement.

Speed and Accel settings. Changed settings are saved automatically.

Note: 18000 counts are ~1-2 inch



Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Container Speed and Position Adjustment**

**and Settings**

1. Download Arduino Software from Teknic:

<https://teknic.com/files/downloads/ClearCore_Arduino_Wrapper_Installer.zip>

(Requires Teknic free registration.)

1. Install Software and choose “yes” when asked to install Arduino software.

Installation guide: <https://www.teknic.com/files/downloads/manual_install_instructions_arduino.pdf>

1. Open Festoon File in Arduino IDE.
2. Once changes are made, verify and fix program.
3. Plug USB into ClearCore and Upload.

Servo Manual:

<https://www.teknic.com/files/downloads/ac_clearpath-mc-sd_manual.pdf>

ClearCore Manual:

<https://teknic.com/files/downloads/clearcore_user_manual.pdf>

**Resources**

**Change ClearCore Program**