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OLYMPUS SERIES
OPERATOR MANUAL

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SAFETY INSTRUCTIONS

WARNING

- * **Before attempting any maintenance allow machine sufficient time to cool down**
- ** **Do not wash down machine with water as this may cause damage to electrical components**

- **Prior to use of machine, operator should thoroughly read this manual**
- All electrical connections should be performed by a qualified technician
- Connect power supply by using case grounded services only
- Provide access to all controls on panel for operator maneuvering
- Before attempting any maintenance on machine:
 - Turn main power to the OFF position
 - Disconnect power from power source
 - Disconnect air supply

- Always turn main power to the OFF position when machine is not in use
- Keep hands and any loose clothing away from all moving parts

INSTALLATION INSTRUCTIONS

WARNING

- * All electrical works should be performed by a qualified electrician**
- ** Prior to connecting main power supply to the machine, verify voltage and amperage requirements on the serial number plate**
- *** Ensure power has been properly connected. Verify that the Vacuum Pump motor is turning in the correct direction**
- **** When lifting machine from the pallet:**
 - **Lift machine slowly**
 - **Ensure that the machine is stable**

- Unpack machine
- Carefully remove straps, attachments and screws on machine feet
- Place the machine in its proper location. Verify that the machine is level
- Connect main power supply to the machine
- Connect air supply to the air filter regulator
 - Required minimal pressure is 80 PSI
- Connect gas supply if required

TOUCH - SCREEN SETTINGS

WARNING

- * **Do not use any objects on Operator Interface as it may cause damage to the display screen**
- ** **Always use clean hands when operating the display screen**
- *** **When E-Stop is pressed or tooling is removed, heating will automatically stop and tooling will cool down**

- Turn main power to the On position
- **STARVIEW** will appear on screen
- Touch anywhere on screen to activate
- Press the **Menu** button on the screen to activate the main **MENU** screen
- Main Menu will display the following options:
 - **Monitor**
 - **Vacuum**
 - **Gas**
 - **Timers**
 - **Run/Stop**
 - **Heating**
 - **Manual Mode**
 - **Film Length**
 - **Data Bank**
 - **Diagnostic**
 - **Stand-By**
 - **Counter**
 - **History**
 - **Parts List**
 - **Alarms**

- Select any of the above options to proceed

Monitor

- Monitor page will display machine status as it cycles

Vacuum Settings

- To view **Vacuum** option in the main menu screen, set it to **Run** in the **Run/Stop** menu
- Select either **Sensor** or **Timer** to control **Vacuum** pressure
 - **Timer Setting:** Set desired time required
 - **Sensor Setting:** Select PSI or KPA as desired and set required value in the Thumbwheel
 - **Duration Timer:** This feature will increase the vacuum beyond the set point. This will ensure that the actual chamber condition has reached the optimal point as required.

WARNING

- ** **If Vacuum is not required, turn the feature off in the Run/Stop menu**

Gas Settings

- To view **Gas** option in the main menu screen, set it to **Run** in the **Run/Stop** menu
- Select either **Sensor** or **Timer** to control **Gas** pressure
 - **Timer Setting:** Set desired time as required
 - **Sensor Setting:** Select PSI or KPA as desired and set required values in the Thumbwheel

WARNING

- * **Check Gas gauge to ensure that the vacuum pressure does not exceed 14.5 PSI or 85 KPA**
- ** **If Gas is not required, turn the feature off in the Run/Stop menu and close the Gas Valve**
- * ** **For more gas, increase the value of the Gas.**

Timers

- Set the Timer as required:
 - **Seal Time:** Time required to seal film to tray

Run/Stop

- Features can be individually activated/deactivated by selecting the Run/Stop buttons
- Set features as required

WARNING

- * **Features will only function if they have been installed on machine**
- ** **Features must be turned to the Stop position if they have not been installed on machine**
- ** **Features in the Run /Stop menu should only be changed at the end of cycles, when machine is stopped**

Manual Mode

- Press the **Manual** button to activate the Manual Mode features
- Once in Manual Mode, activate features individually
- Activate features as required to set up or test machine
- To terminate Manual Mode press the **Auto** button

WARNING

- * **If Emergency Stop is activated, machine will automatically return to Auto mode. Remove Emergency Stop and press the Manual button to return into Manual Mode**
- *** **Keep hands and any loose clothing away from all moving parts**

Data Bank

- Set up all features and functions
- Go to **Data Bank** page. This page will display all features and functions as they have been set up
- Once a job has been set up for a specific job, assign any **Bank** number, assign a **Name** and press Enter. Press **Save** once all information is entered. Repeat this for each new job
- To retrieve a job setting that has already been saved, choose the **Bank** number using the thumbwheel and press **Open**

WARNING

- * **Keep record of Bank numbers already used. Do not use same Bank numbers, as this will overwrite previously saved data**

Heating

- Temperature can be viewed either in **Celsius** or **Fahrenheit** by selecting the preferred setting
- Heater can be turned On/Off by selecting **Run/Stop** respectively
- Set temperatures as required using the thumbwheel
- Alarm Range can be turned on in the Run/Stop menu. This feature will alarm operators if temperature is not within the set range

Diagnostic

- Diagnostic page will display all features status
- Highlighted features are activated/detected
- Non-highlighted features are not activated/detected

Counter

- **Pre-Set Batch Counter**
 - Enter desired value using the thumbwheel
 - Use the “ + ” or “ - ” to increase or decrease production counter
 - Once desired value has been entered, press the **Reset** button to activate new value

- **Pre-Set Piece Batch Counter**
 - Enter desired value using the thumbwheel for packages required
 - Enter Pieces per cycle sealed
 - Once desired value has been entered, press the **Reset** button to activate new value

- **Batch Counter**
 - Will display current production run
 - Once **Pre-Set Batch Counter** has been reached, machine will stop
 - Press the **Reset** button to continue again with the same batch counter

- **Total Counter**
 - Will continuously accumulate all machine cycles for the life of the machine
 - Modification is not possible

- **Cycles/Minute**
 - Will count and update the cycles/minute every 60 seconds

- **Reset**
 - Pressing the reset button will clear and reset the **Batch Counter** to the new value entered into the **Pre-Set Batch Counter**

WARNING

- * **Pre-Set Batch Counter will only reset to new value once the Reset button has been applied**

Standby Mode

- Press on day to activate/deactivate
- Set up timers as required
- Machine will start-up and shutdown automatically as per settings
(Do not turn off main power disconnect)
- This feature will eliminate operators having to wait for the machine to heat up

Film Length

- Measurement can be viewed either in **Millimeter** or **Inch** by selecting the preferred setting

History

- Machine will keep track of up to 199 previous cycles
- Enter required cycle number to view previous history
- Log File can be used to view the heating history. Touch anywhere on screen to view details

Alarm Log

- A list of alarms history

Parts List

- A list of all components

START - UP

WARNING

- * **Do not wash down machine with water as this may cause damage to electrical components**

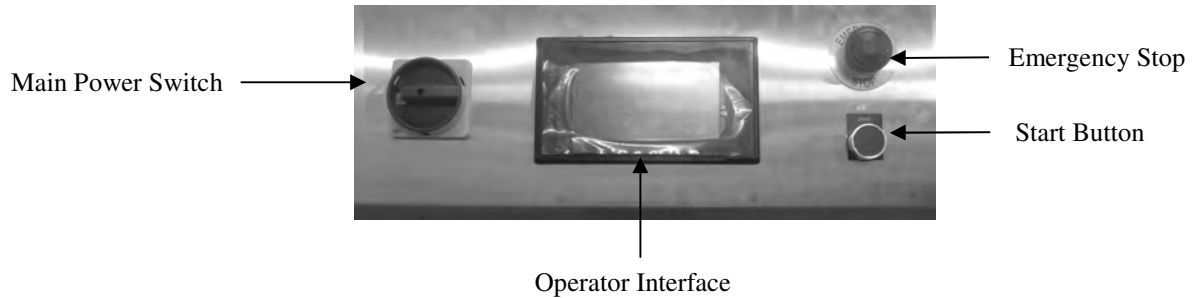
- Turn **ON** the main power switch located on the front control panel
- Connect **Air** to the Filter Regulator
- Air Filter Regulator should be set to **80 PSI**
- Release **Emergency Stop** button
- Load film
- Set up the **Timers**
- Set up all features in the **Run/Stop** menu
- Set up the **Counter**
- Set up the **Film Length**
- Set up the temperature
- Pass the film

- Press the **Emergency Stop** button only for emergencies

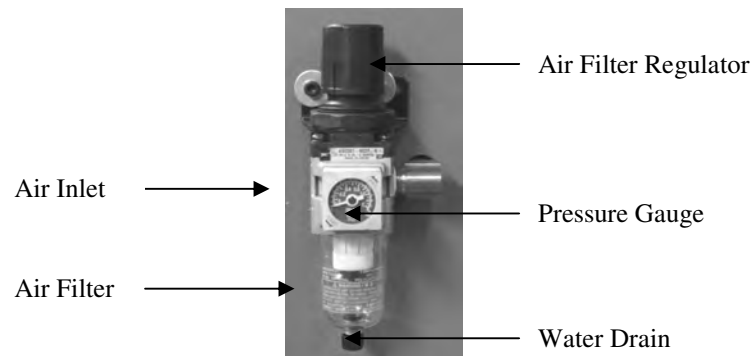
Cycle

- **Load blisters onto the jig**
- **Turn the table**
- **Film winder will automatically be activated**
- **Press Start button**
- **Cycle will start. (Vacuum, Gas, Seal, Trim and release air to open chamber)**
- **Load blisters onto the jig while machine operates**
- **Turn the table of the machine once cycle has ended**
- **Unload the products**
- **Repeat above steps to continue**

Main Panel

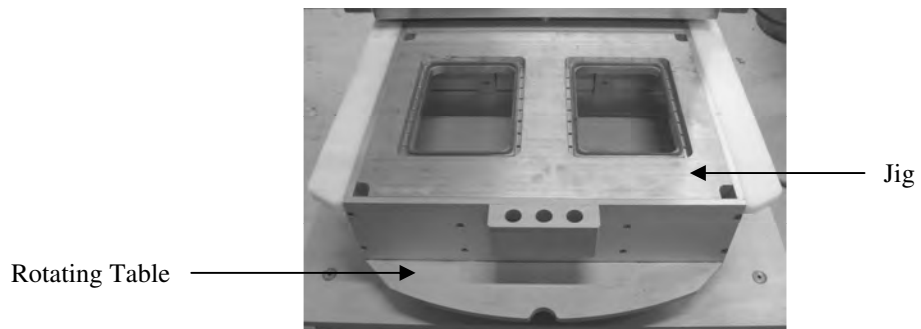
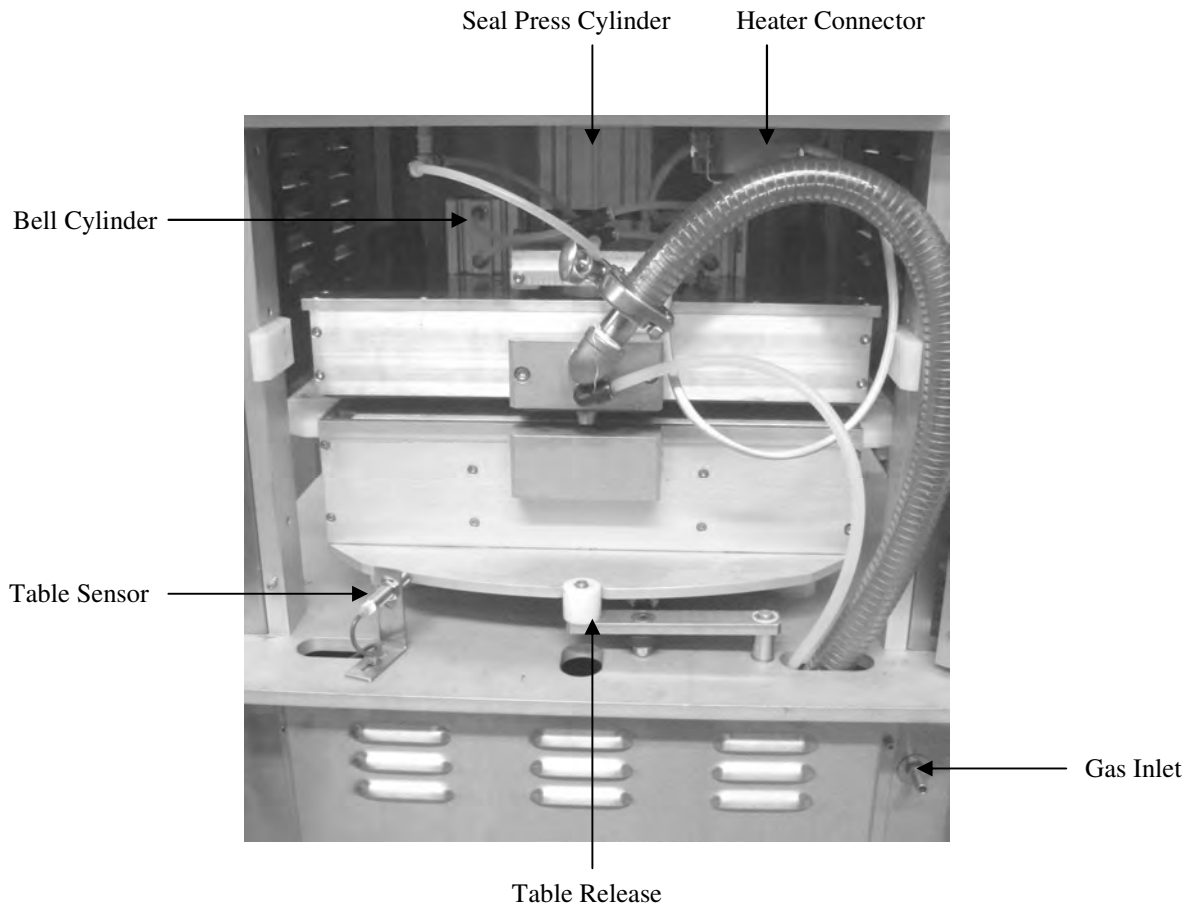


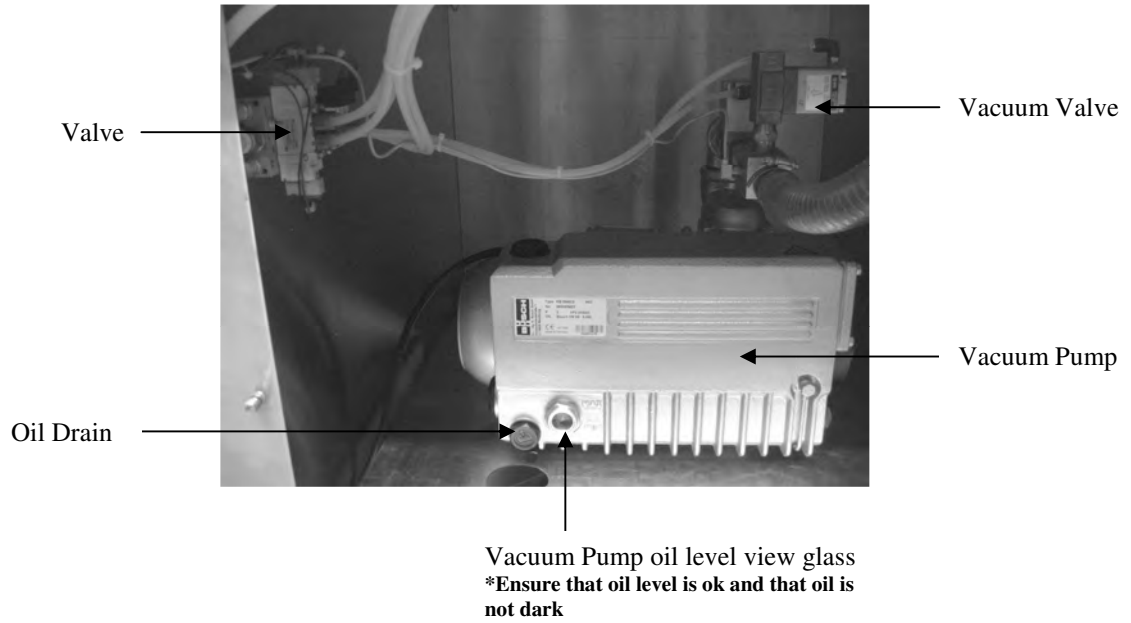
Air Filter Regulator



- Connect Air supply to **Air Inlet**
- Air flow to the machine can be controlled through the **Air Filter Regulator**
 - Air Filter Regulator should be set to **80 PSI**
 - Turn clockwise to increase air flow
 - Turn counter clockwise to decrease air flow
- Drain the **Air Filter** daily or as needed
 - Loosen the **Water Drain** to release water

Components





MAINTENANCE

- Drain water from the **Air Filter Regulator** Daily or as needed
 - Clean **Filter** bowl as necessary
 - Remove Air Supply before removing bowl
 - Wash bowl using warm water with mild soap
 - Do not clean bowl using solvents as they may weaken the bowl material and cause the bowl to fail when pressurized

- Clean and Grease all sliding and rotating parts every 2 months or 500,000 cycles

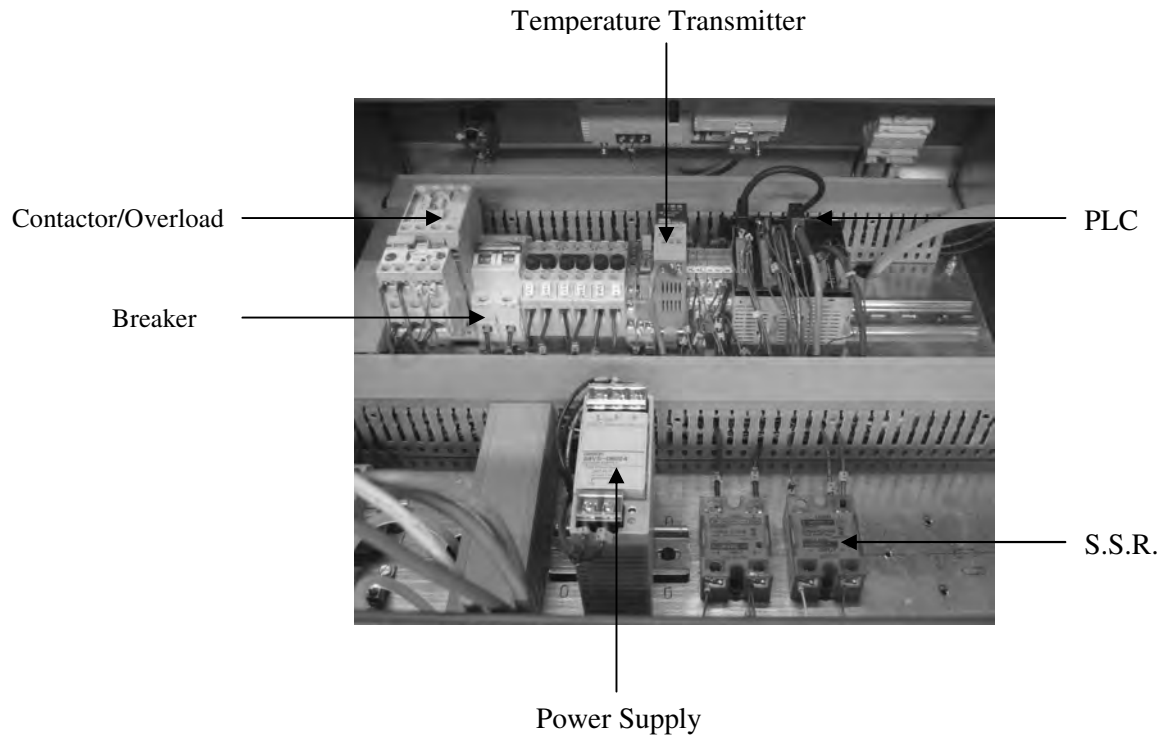
WARNING

- * **If machine has been operating, allow unit to cool before attempting any maintenance**

- ** **Disconnect machine from main power supply before attempting any maintenance**

- *** **Do not touch or get any grease on any electrical components or connections**

ELECTRICAL



WARNING

- * All electrical works should be performed by a qualified electrician
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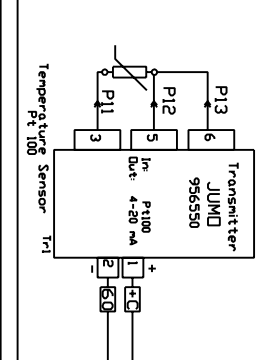
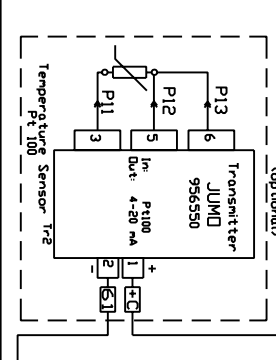
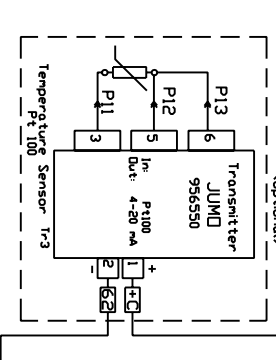
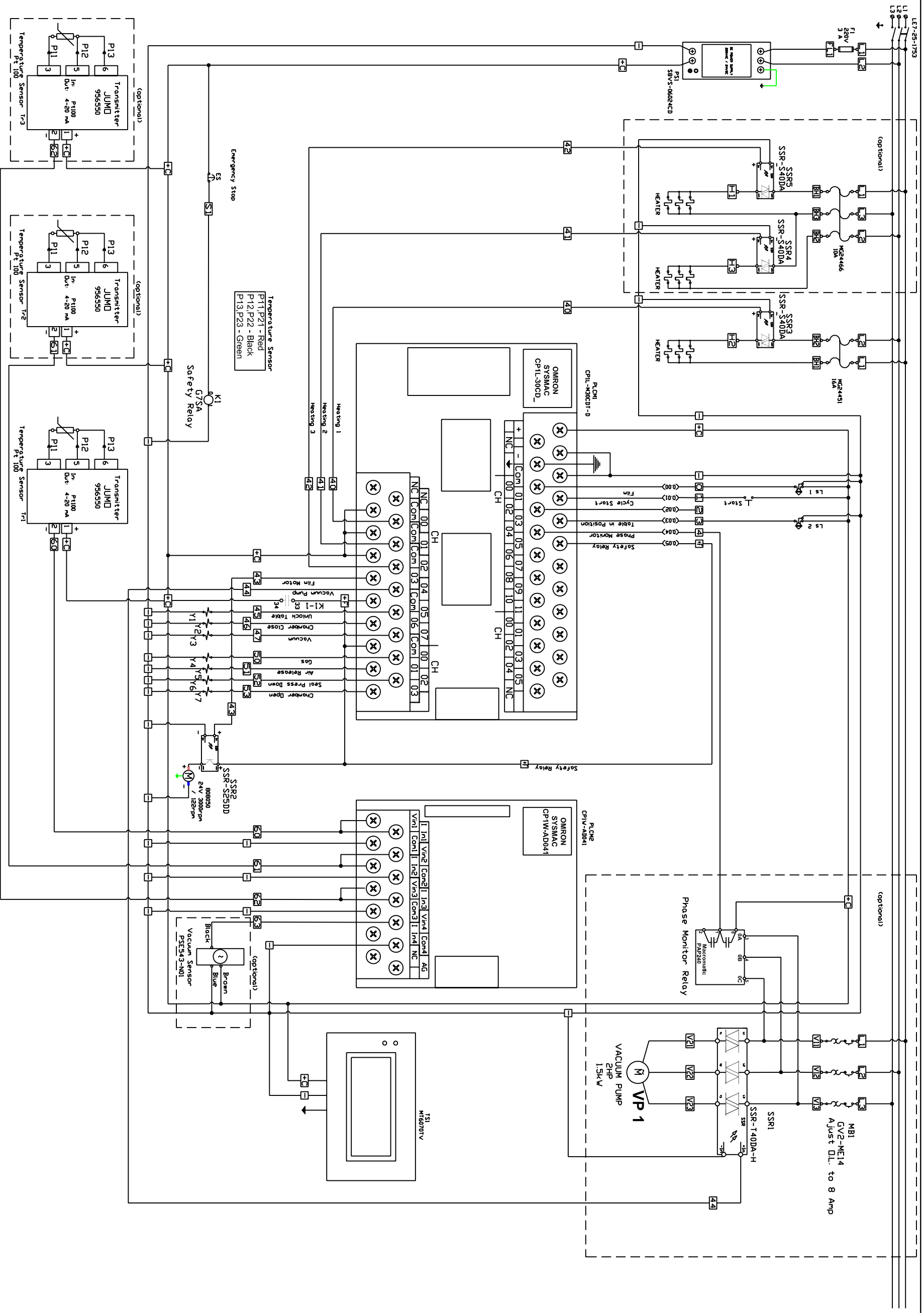


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Olympus Electrical Layout

SCREEN Prog.# OLYM_04
PLC Prog.# OLYM_04
Servo Prog.#

NAME : Svetlin Mitev
Date : April 07 2009



Temperature Sensor
P11, P21 - Red
P12, P22 - Black
P13, P23 - Green

Emergency Stop
ET

Safety Relay
G7SA

Heating 1
Heating 2
Heating 3

Fan Motor
Vacuum Pump
Chamber Table
Chamber Close
Vacuum
Gas
Air Release
Seal Press Down
Chamber Open

Y1
Y2
Y3
Y4
Y5
Y6
Y7

SSR2
808R50
24V 3000rpm

SSR-SE25DD

Vacuum Sensor
PSE343-N01

Black
Blue
Brown

Optional

Optional

Optional

Optional

Optional

Optional

Optional

Optional

Optional

LIMITED WARRANTY

STARVIEW provides a Ninety (90) Days warranty on its equipment (without limitations as to number of cycles), if properly installed and used in accordance with instructions. Warranty for components are divided into two categories, as follows;

Components

Components are warranted to be free from defects in materials and workmanship for a period of 1 year from the date of delivery of machine. During this 1 year period, **STARVIEW** will (at its' option) either repair or replace any failed component of its' equipment.

Wear Parts

Parts designed to wear in normal operation and be replaced periodically are warranted to be free from defects for a period of ninety (90) days from date of delivery of machine. Warranty does not extend to parts where damage was caused by normal wear, negligence, accident, abuse, or improper installation or operation.

**** Except as stated herein, STARVIEW makes no other warranty, expressed or implied. This warranty does not apply to equipment which has been, in the judgment of STARVIEW, subjected to misuse, neglect, abuse, and/or repaired or altered by unauthorized personnel. Defective parts must be returned to STARVIEW, freight prepaid, within 14 days of shipment of the replacement part. Defective parts must be returned in their original state. Defective parts that have been disassembled, damaged during removal, or otherwise tampered with, will not be covered under warranty. Unless otherwise stated in writing, STARVIEW makes no other warranty as to suitability of equipment for particular purposes. STARVIEW's sole obligation under this warranty will be to provide repairs, or replacement parts, F.O.B. STARVIEW's point of shipment. ****

**** STARVIEW assumes no responsibility for the quality and performance of films, boards, or any other materials used with it's equipment. ****