SCOTNET SOLUTIONS 1 SINGER ROAD EAST KILBRIDE GLASGOW G75 0XS SCOTLAND
T: +44 (0) 1355 244 244 F: +44 (0) 1355 266 655 E: INFO@SCOTNETSOLUTIONS.COM W: WWW.SCOTNETSOLUTIONS.COM

SS500 & SS500C

Operation Instructions

For Machines with Festo Pneumatics

Updated: August 2019

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Setting Up The Machine

The instructions and advice in this handbook are designed to let you run and maintain the machine as efficiently and smoothly as possible. If you have any questions regarding any aspect of our machinery, please feel free to contact us at info@scotnetsolutions.com.

This machine is designed to work in conjunction with a SCOT*NET* 460 mm Automatic Net Loading Machine.

Although the machines always leave in a clean condition, washing is advised before taking any machine into a food production area. The SS500 can be washed with water (not a high pressure hose). For full cleaning instructions, see the Cleaning Procedures section..

The machine should be positioned on a level surface, such as a workbench. If the machine has been supplied with the optional floor stand, when in place, lock the four braked castors to secure the machine.

(A) Connecting the Machine

The SS500 is powered by compressed air.

Compressed Air Connection:

The machine comes with a quick release fitting, which terminates to a male hose fitting suitable for 10mm ID hose. This is at the rear of the machine. Connect the compressed air supply to this. The machine should have the air pressure set at the regulator between 80-102 PSI (5.5 - 7 BAR.) At 80PSI, the machine uses approximately 35 ft^3 or 1000 litres of compressed air per minute. It is essential that the air supply is clean and dry. Note components that fail due to water damage are not covered by the warranty.

(B) Fitting the Chambers Pistons and Tubes

On the SS500, the chamber is fitted from the front. Firstly, disconnect the machine from the compressed air supply. Open the lid, and remove the piston, by unscrewing it. When the piston has been removed, close the lid. Slide the chamber into the opening, until it is completely back. When it is in the correct position, the chamber will locate at the front, behind a small lip. When it has located, open the lid, and refit the piston. Close the lid again, and reconnect the compressed air supply.

To remove the chamber, disconnect the compressed air supply, and open the lid. Remove the piston, and close the lid again. Lift the chamber slightly at the front end. Then slide the chamber forwards, supporting it from underneath, to prevent dropping it, when it is clear of the machine.

When yo have a chamber and piston in the machine, load a tube with SCOT*NET* elastic meat netting. The tubes slide over the chamber end, onto the front of the machine. Secure the tube with the cam locks on the front of the machine.

The machine will not function unless the chamber is located properly.

(C) Running the Machine

Open the lid, and place a piece of meat in the chamber. By closing the lid, the cycle will start. If the lid is opened at any time during the cycle, the machine will release all of its air, and stop. On closing the lid again, it will resume its cycle.

Important Note
Only use netting tubes & chambers designed for use with the SS500 stuffing system. If in doubt, contact our Service Desk.

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Maintenance Procedures

Daily Checks:

1. Check the auto drain filter regulator for water collection. Manually drain if required.
2. Check the piston is properly secured.
3. Check the operation of the safety circuit.
   Close the lid, and then open it again mid cycle. The piston should stop moving, and should be free to move by hand.
   Check that the machine will not function with the chamber removed.
4. Check the machine functions, by opening and closing the lid.

NB **If in doubt about anything, contact our Service Desk.**

Weekly Checks:

1. Check air pressure setting is between 80 - 102 PSI, or 5.5 - 7 bar.
2. Check all nuts and bolts for security, tighten if required.

NB **If in doubt about anything, contact our Service Desk.**

Service Intervals

After installing the machine, we recommend that it is inspected by the installation engineer after:

- Every six months. The daily and weekly checks above must be carried out between services.
- Failure to service the machine in accordance with our recommendations invalidates the warranty, and could make the machine unsafe.

Cleaning Procedures

Before cleaning the machine, remove the tubes, chambers, pistons.

The machine can now be cleaned with water. We do not recommend high-pressure hoses for cleaning.

Once cleaned, replace all of the parts removed.

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Replacing Components on the SS500

The SS500 has been designed to be extremely easy to maintain. All the pneumatic components are mounted on one panel, that can be replaced if required.

We do not recommend replacing individual components on the SS500.

To remove the pneumatic panel, first disconnect the machine from the compressed air supply, and remove the tubes and chambers and piston.

Turn the entire unit upside down. If the SS500 is mounted on its optional stand, unbolt the machine from the stand first.

At the rear of the machine, the cylinder is mounted with 2 bolts. Remove these.

Now from inside the chamber area, remove the 4 bolts that secure the cylinder. Remove the 2 pneumatic hoses from the cylinder, and lift the entire unit out of the machine.

The pneumatic panel will now simply lift out of the machine. Disconnect the main air supply line coming from the filter regulator.

To fit a replacement panel, simply carry out the above steps in reverse.

Fault Finding Procedures

Machine Fails to Operate

Check the air pressure at the regulator. It should be set between minimum 5.5 Bar and 7 Bar Maximum (see 'Setting Up the Machine' section)

Check the chamber is located correctly in the machine.

Check that the filter regulator is free from water.

Check the magnets are in place on both the lid, and on the chamber.

If there are any other problems, please contact our SCOT*NET* Automation Service Desk on:

+44 (0) 1355 237041 for assistance

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Parts List

ItemNo	ItemDescLin1	ItemDescLin2	QtyOrd
SAS1417	M12 MAGNET	PTM12	4
SA153016	PUSH IN FITTING	QS-1/4-8-1	5
SA130591	PUSH IN FITTING FOR PROX	QSM-M5-1/4-I-U-M	8
SA9639	SHORT PULSE VALVE	VLK-3-PK-3	1
SA1634001030	1030mm 63 BORE CYLINDER	DNC-63-890-PPV-A	1 in SS500C
SA163400890	890mm 63 BORE CYLINDER	DNC-63-890-PPV-A	1 in SS500
SA153050	PUSH IN/THREADED L-FITTING	QSL-3/8-8	1
SA153333	PUSH IN/THREADED L-FITTING	QSML-M5-4	6
SA153304	PUSH IN/THREADED L-FITTING	QSM-M5-M5-4	2
SA9971	PUSH IN/THREADED L-FITTING	SCM-1/4	1
SA153001	THREADED PUSH IN FITTING	QS-1/8-4	5
SA13363	CYLINDER SINGNAL GENERATOR	PPL-1/4	1
SA165004	SILENCER	UC-1/4	3
SA14295	DOUBLE PILOT VALVE	J-5-1/4-B	1
SA9984	PNEUMATIC VALVE	VL/0-3-1/4	1
SA178563	PROXIMITY SWTICH	SMPO-8E	4
SA153135	8-6mm T PIECE	QST-8-6	2
SA153041	6-4mm STRIGHT REDUCER	QS-6H-4	2
SA153049	PUSH IN ELBOW 8mm FITTING	QSL-1/4-8	2
SA529151	FILTER REGULATOR MS4	MS4-LFR-1/4-D6-EVR-AS-Z	1
SA526064	MOUNTING BRACKET MS4	MS4-WR	1
SA532187	NUT FOR MS4	MS4-WRS	1
SA159662	PLASTIC TUBING 4mm	PUN-4x0,75-BL	3
SA159666	PLASTIC TUBING 8mm	PUN-8x1,25-BL	3

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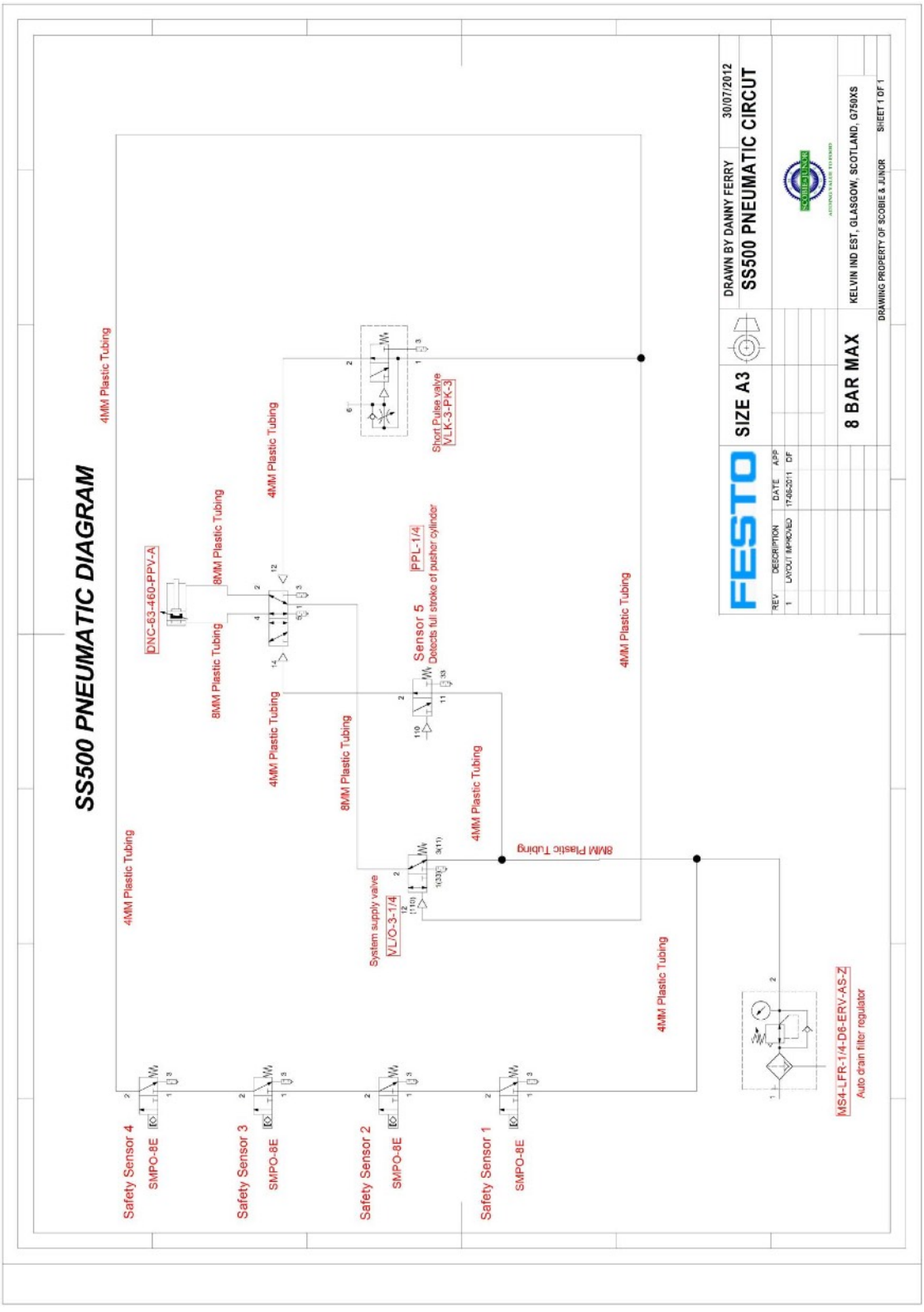

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SS500 Equipment Training Programme

This programme is designed for the engineers that are going to maintain the Scotnet Automation range of equipment.

Company Name:	Training Date:
Contact Name:	Instructors Initials:

1) Operation Instructions
Explain all sections from instruction booklet

2) Installing and setting-up machines
Explain minimum requirements for supply, which is the end users responsibility. Any adjustments to run machine

3) Machine Operation / safety precautions
Explain the operation fully; test the trainee let them operate to see if they understood.

4) Machine Maintenance – Daily, Weekly and Service Reports
Explain what maintenance is required from on site maintenance teams. How to fill in service report.

5) Fault Finding
Explain fault finding procedure. Put a fault in machine and let trainee find

6) Ordering Spares
Explain what information is required, who to contact.

7) Pneumatic Diagram
Run through circuit showing each component.

8) Spare Parts List
Explain the spare parts & any items that the customer should carry

9) Service Intervals
Explain what service intervals are needed which is dependent on customer usage

I confirm that I have received and understood the above training.

Signed: **Print:**

Position: **Date:**