VERITY SYSTEMS

TECHNICAL MANUAL

Operating & Maintenance instructions for

V100 Conveyor Bulk Tape Degausser

V100 CONVEYOR BULK TAPE DEGAUSSER

TECHNICAL MANUAL

ZZ 001 076

Document No. M000286

Production Standard

WARNING **TO HELP MINIMISE THE POSSIBILITY OF ELECTRICAL SHOCK HAZARDS UNDER NO CIRCUMSTANCES SHOULD ANY PANELS BE REMOVED**

IMPORTANT **THE POWER ON/OFF SWITCH USED ON THIS EQUIPMENT IS NOT AN ISOLATING SWITCH. IT IS RECOMMENDED THAT THIS EQUIPMENT SHOULD BE OPERATED FROM A SEPARATE SWITCHED ISOLATOR.**

CAUTION **IT IS RECOMMENDED THAT MAGNETIC STORAGE MEDIA IS KEPT AT LEAST 2 METRES FROM THE DEGAUSSER**

Verity Systems Limited
Verity House
2 Eastern Road
Aldershot
Hampshire
GU12 4TD

Tel:+44 (0) 1252 317000
Fax:+44 (0)1252 316555
E-mail: sales@veritysystems.com
Web Page: http://www.veritysystems.com

Verity Systems Inc
5441 Merchant Circle
Placerville
California
CA 95667
USA

Tel: 530 626 9363
Freephone: 1-800 642 5151
Fax: 530 626 9395

C O N T E N T S

This manual applies to V100, Part Number ZZ 001 076

1. SPECIFICATION

V100 CONVEYOR DEGAUSSER

Depth of Erasure -75dB

Media DLT Cartridges

Capacity 7200 DLT cartridges per hour, maximum

Power Requirements

Model Nos.	Voltage	Line Frequency	Current (typical)
ZZ 001 076	220v +5%-10%	50Hz	18 amps

Protection

Fuse	Control Circuit	10 amp
Circuit Breaker	Main power	30 amp

Conveyor Belt Speed Variable 0 to 12 ips

Duty Cycle 100% (for continuous operation the room ambient temperature should be kept at or below 68 degrees FAHRENHEIT, 20°c)

Mounting Free standing table top

Overall Dimensions

Width	44.5" (1130mm)
Height	19.0" (482mm)
Depth	20.5" (520mm)

Weight 209 lbs (95Kg)

O P T I O N S

DATA/VIDEOMASTER CONVEYOR DEGAUSSER

1. **Optical degauss control**

2. **Anti vibration support stand**

2. INTRODUCTION TO THE V100 CONVEYOR DEGAUSSER

The Verity Systems model V100 is designed for continuous duty, single pass erasure of DLT cartridges. The conveyor belt transport permits an uninterrupted throughput of up to 7200 cartridges per hour.

During the design stage of the V100 particular consideration was given to user efficiency; to maximise the media throughput in the minimum time with the minimum of fuss. It is these criteria which has led to several unique features incorporated in the V100.

This degausser will operate efficiently **CONTINUOUSLY** 24 hours a day if required, thus eliminating costly cooling down during high volume product erasure. In addition the V100 utilises pairs of **U** shaped degaussing coils mounted in a **V** formation, one pair above and one pair below the conveyor belt, which, extensive research has proven, gives optimum and consistent erasure of circular storage media `with a single pass. To accommodate virtually any specific media throughput required by the use the conveyor system has been designed with a continuously variable belt speed of between one and twelve inches per second. Additional features include constant monitoring of coil performance with a visual indication on the front control panel, plus temperature sensors to monitor the degaussing coils and control the high pressure cooling fans. In the unlikely event of a fault occurring, over current protection is achieved using a fuse for the control circuitry and a resetable circuit breaker for the degaussing coils. Last, but not least, the V100 is of rugged mechanical construction using high quality material throughout to ensure years of reliable service.

3 INSTALLATION

3.1 Unpacking

Unpack the degausser carefully and inspect it for signs of physical damage. If damage is apparent, a claim should be filed with the carrier.

3.2. Power Wiring

Power connection is made to the model V100 via the heavy duty flying cable at the rear of the unit. The power circuit to the degausser should be rated in accordance with national and local electrical codes. The model V100 operates from specific supplies, check for compatibility.

CAUTION
A good electrical ground must be connected to the degausser. The unit must be connected to the correct power supply. Failure to do so may result in permanent damage.

Power Connections 50Hz

Lead Colour	Ident	Connection
Black	Live (1)	220v 240v
Black	Neutral (2)	0v
Green/Yellow	Earth	Ground/Earth

Power Connections 60Hz

Lead Colour	Ident	Connection
Black	Hot	220v 208v
Black	Hot	0v
Green/Yellow	Ground	Ground/Earth

Note

Degausser Current Consumption

The degaussing coils are powered as part of a tuned resonant circuit. This allows quite high circulating currents to be generated within the degaussing coils, with minimal current consumption from the mains voltage supply. However, this technique requires that the waveform of the supply voltage contains minimal harmonic distortion. A distorted waveform will result in an increase in current consumption.

The typical current consumption figures provided in this manual are when powered from a supply with minimal distortion. Any increase in current consumption due to a distorted waveform will have minimal effect on the degausser performance, however, excessive current consumption should be avoided for obvious reasons. In the event of unexplained high currents, please consult your supplier.

4. OPERATION

The model V100 degausser has been carefully engineered for convenience and simplicity of operation. The unit has a number of features which are outlined below

4.1 Power Switch

The power switch is of the Toggle type and, when operated, activates the dc supply used to run both the cooling fans and conveyor drive motor. The cooling fans do not run continuously but are thermostatically controlled, without the optional degauss switch fitted the degauss coils are also activated.

4.2 Degauss Switch

The degauss switch is of the illuminating non-latching push button type and when depressed, energises the degauss coils and starts the conveyor. The power switch is used to terminate the degauss operation. The degauss switch illuminates when depressed.

4.3 Conveyor Belt Speed Control

A rotary control is provided on the front panel for belt speed adjustment. The speed may be set between approximately zero and twelve inches per second. Having set the required belt speed the media to be erased is fed into the degausser at the left end and exits at the right end.

4.4 Optical Product Sense (Optional)

An optical control facility is provided to detect the product to be erased and switch on both the degauss coils and the conveyor belt. This arrangement provides a number of advantages including reduced running costs.

Operation of the degausser is as follows. After having operated the power switch the degausser will remain in the standby mode until a product is detected at the entry window on the left hand end. Having detected a product a delay is triggered to allow the product to travel the length of the degausser before returning to standby. The delay is set for a nominal conveyor belt speed of 5 ips.

4.5 Remote Control (Optional)

A remote control facility is provided, to allow independent control of the conveyor belt and to inhibit the degaussing coils. Connection to the degausser is via the four way connector at the rear of the unit, see Fig.1. The input control voltage levels required for reliable operation are shown in Fig. 1. However to enable a quick and simple remote control to be implemented a 22 volt supply is provided at the connector which may be used as the input control voltage via, for example, relay or switch contacts.

Note
The 22v supply must not be used to power any external circuitry.

All the control lines are contained in a socket located at the rear of the unit, the conveyor and erasing coils being controlled seperately.

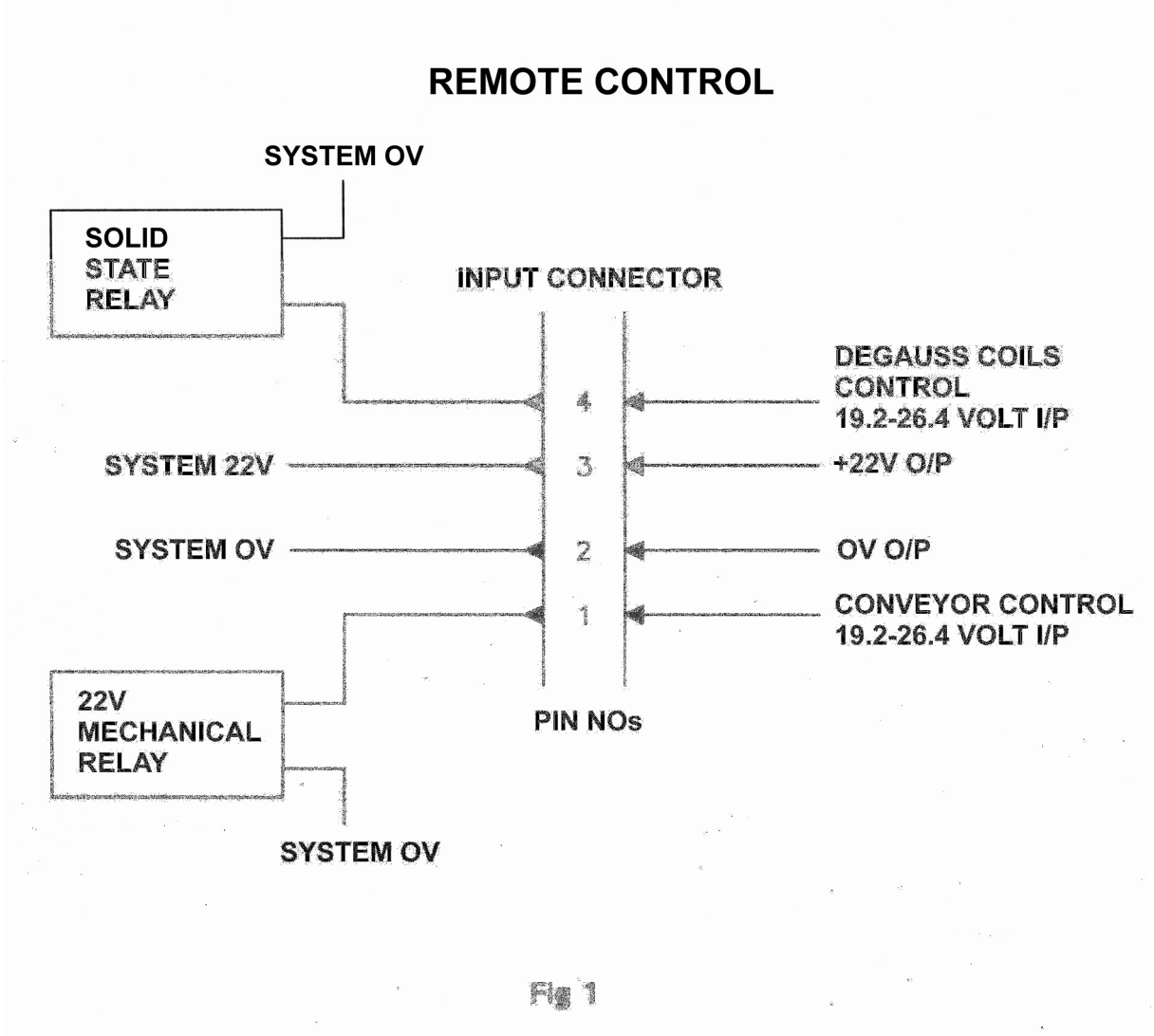

Fig 1

Note
Wire links between pins 3, 4 and 1 are required for normal operation.

NOTE

The V100 may be used to erase various data storage media, however if unboxed floppy disks or diskettes are erased they MUST be individually placed centrally on the conveyor belt separately. Failure to do so may result in the disks sliding off the belt, falling inside the degausser or jamming the conveyor belt. Diskettes should be placed on the conveyor belt "button" down.

5 INDICATORS/FEATURES

5.1 Panel Indicators

Four panel indicators monitor the voltage at each of the degaussing coils and remain illuminated while the degaussing coils are energised.

NOTE
Although neons with a low failure rate are utilised in the indicators in the event of one or more indicators failing the neons should be checked before suspecting any other fault.

5.2 Thermostatically controlled cooling fans

The high pressure cooling fans are controlled by thermostatic switches mounted on the top and bottom degaussing coils nearest the mains voltage supply cable. The sensors switch the fans on and off at a coil temperature of 70 degrees centigrade +/-5 degrees centigrade when in the 'power off' condition and 50 degrees centigrade +/- 5 degrees centigrade when in the 'power on' condition, this allows the fans, once running, to continue after the degaussing coils are switched off until the coils have cooled sufficiently.

NOTE
The power switch should not be deactivated until the fans have, ceased running when the unit is optically controlled.

5.3 Over temperature sensors

Each of the degaussing coils is monitored for excessive operating temperatures and in such an event the degausser will be automatically switched off until the coils have cooled sufficiently. The V100 is specified for continuous operation and, apart from any fault condition, the sensors should not be activated. However, when operated in high ambient temperatures, the degaussing coils may become excessively hot.

5.4 Conveyor Belt Speed Control

The conveyor belt is driven by a dc stepper motor and toothed rubber belt system. The speed of the motor is controlled by a Pcb drive card which, in addition to providing the variable frequency required for speed control also inherently offers an important safety feature. In the event of the conveyor belt becoming seized the stepper motor will 'loose step' and its torque output will reduce dramatically, thus avoiding damage to the conveyor system. In addition the motor will not overheat under a stalled condition thus ensuring minimal delay after the obstruction has been cleared.

NOTE

After having cleared the obstruction which caused the seizure it may be necessary to switch the degausser 'off' and 'on' to allow the motor to regain synchronisation.

5.5 Over Current Protection

Incorporated in the degausser are two types of over-current protection namely a fuse for the control circuitry including the conveyor motor and fan supply, and a resetable thermal circuit breaker for the degaussing coils.

CAUTION

Repeated tripping of the circuit breaker indicates an internal problem. Do not continue to attempt to turn the machine on under such conditions. A catastrophic component failure may result.

5.6 Emergency Stop Button

The emergency stop button is located centrally on the top surface of the cover. When depressed the switch deactivates both the conveyor and degaussing coils, thus overriding the standard controls. The button, when depressed, will latch in this position. To resume the normal standby condition pull and latch the button in the ‘up’ position. At this point the degauss button should be depressed to re-activate the degauss operation.

6 MAINTENANCE/SERVICING

6.1 Cooling System

The cooling system utilises two high pressure fans in order to achieve correct operating conditions under constant use. The fans are of the dc brushless type with a life expectancy in excess of 16,000 hours and do not require routine servicing.

6.2 Conveyor Belt Drive System

The drive motor is of the brushless dc stepper motor type and drives the conveyor belt via a toothed rubber belt. The drive system has a life expectancy in excess of 16000 hours and does not require routine servicing.

6.3 Conveyor Belt Cleaning

Caution - It is recommended that the degausser is disconnected from the mains supply before attempting to clean the belt.

In order to obtain correct erasure of the media it should be ensured that while passing through the degausser the media is held stationary on the conveyor belt. To this end a belt with a 'sticky' surface is used. However, after extensive use, the belt may become contaminated and allow the media to move whilst being erased. It is therefore recommended that the belt should be cleaned using a mild detergent to ensure correct operation.

6.4 Conveyor Belt Tensioning

Belt tensioning is not a routine activity but it will be immediately obvious when it is required due to the lack of drive.

NOTE
Intermittent lack of drive may also be caused by a mis-tracking belt usually identified by a gap between one side of the conveyor belt and the product guiding edge of the cover. This condition must not be allowed to persist as permanent damage to the belt will result.

6.5 Field Indicator Bulb Replacement

Note:- Remove Power from the unit before replacing bulbs.

6.5.1 Remove the "bulb housing" from the "switch/indicator body" by levering it forwards.

6.5.2 Remove the bulb from the rear of the "bulb housing" by using a suitable extraction tool.

6.5.3 Replace the bulb noting the following:

a) The bulb will fit in only one position in a locating slot. If when fitting this does not occur, remove the bulb and rotate 180°.

6.5.4 Refit the "bulb Lens" to the "switch/indicator body" by gently pushing the lens into the “switch/indicator body” housing.

6.6 Fuse Replacement

The equipment is protected by a fuse and a circuit breaker which are located at the rear of the unit.

The fuse holder contains a 10 amp antisurge fuse. To replace it rotate the cap in an anticlockwise direction and remove the cap and fuse. Renew the fuse and replace the cap into the holder and tighten in a clockwise direction. To reset the circuit breaker simply press the button until it latches in.

6.7. Optical Product Detect Delay Adjustment

The delay has been factory set for a conveyor belt speed of approximately 5 ips. The delay may be adjusted to suit other belt speeds if required. Remove the four screws securing the top cover on the optical sense unit and adjust the appropriate potentiometer marked in Fig 2, clockwise to increase the delay and anticlockwise to reduce the delay.

6.8. Setting/Checking procedure for the optical product sense unit

1. Remove the top cover of the optical unit.

Note
Before carrying out the following adjustments care must be taken to avoid strong external lights from reaching the optical pcb.

2. Connect an oscilloscope to test point (1) and the Ov terminal block.

3. Switch 'on' the degausser and check the voltage waveform shown in Fig 2 is present. This is the infrared emitter drive wave form.

4. Then check, using the oscilloscope, the voltage waveform shown in Fig 2 at test point (2). This is the received or detected signal.

5. Adjust RV1 if necessary to obtain the correct waveform.

6. RV2 may be adjusted to vary the time-out delay after the last product has been sensed.

7. Replace the optical unit top cover.

7. SERVICE PROCEDURES

The V100 has been engineered to allow components to be replaced quickly and efficiently. However, there are inevitably one or two items requiring detailed instructions to assist in their efficient replacement should they become faulty. These items are:

a. Conveyor drive motor

b. Magnet boxes

c. Conveyor belt

d. Fans

Apart from these items the remaining components may be readily replaced. However the following notes should be adhered to:

NOTES

1. Locking compound should be used on screws and nuts during reassembly.

2. Thermal conductive grease should be used when fitting either the solid state relay (RL4) or the bridge rectifier (D4).

7.1 Cover Removal/Replacement

1. Disconnect the degausser from the mains power supply.

2. Remove the 14 screws securing the cover to the base of the unit and lift off the cover vertically, taking care not to damage the wires leading to the controls and indicators, lay the cover down by the side of the unit.

3. Should it be necessary to completely disconnect the cover in line connectors are provided to allow quick removal.

4. When replacing the cover care should be exercised to avoid trapping wires and to ensure that the cover is clear of the conveyor belt when the fixing screws are finally tightened.

7.2 Conveyor Drive Motor Replacement

1. Remove the cover.

2. Unplug the edge connector from the drive Pcb.

3. Remove the four screws securing the motor, slip off the drive belt and remove the motor.

4. Cut the tie wraps and remove wires up to the relay R12 and/or capacitor C10 and the potentiometer. Remove the complete motor/loom assy.

5. Hold the new motor to the unit and slip the drive belt around the pulley. Loosely secure the motor with the nuts and screws removed in 3. above.

7. Adjust the tension of the belt to remove any excess play in the belt and tighten the motor nuts and screws.

   Note
   Do not overtighten the belt. Tension is only required to take up any slack in the belt.

8. Secure the flying leads into the loom and connect the leads.

9. Plug the drive Pcb into the edge connector.

7.3 Magnet boxes

7.3.1 Upper box removal

1. Remove the cover.

2. At each end of the magnet box remove the cables from the terminal blocks. Note and identify the position of each cable to ensure correct connections when reassembling.

3. Remove the earth connections from the end of the box.

4. Remove the supply cables to the upper cooling fan from the terminal block on the front panel of the magnet box. Note and identify each cable.

5. Remove the upper cooling fan.

6. Remove the four bolts securing the magnet box to the four support pillars.

7. Lift off the magnet box.

8. Using a sharp blade break the seal between the fibreglass cover and the box then remove the front and rear panels.

9. Remove the screws securing the front panel and remove the panel.

10. Remove the screws securing the rear panel and remove the panel.

NOTE
When a silastic seal has been broken the components must be cleaned and free of old sealant before re-assembly with new sealant.

Upper magnet box replacement

1. Place the magnet box face down on a flat surface and secure the front panel in place using the original screws.

2. Secure the back panel in place using the original screws.

3. Replace the magnet box on the support pillars and secure in place using the bolts removed previously.

4 Reconnect the cables to the terminal blocks at each end of the magnet box.

5. Refit the upper cooling fan.

6. Reconnect the fan motor plus earth connections.

7. Check the magnet box for correct operation prior to fitting the cover.

7.3.2 Lower magnet box removal

1. Remove the cover.

2. Remove the upper magnet box.

3. Remove the four bolts securing the four support pillars plus the two product guides.

4. Disconnect the lower cooling fan. Note and identify each cable and remove the fan and mounting plate assembly.

5. Slacken the conveyor belt by loosening the adjustable rollers fixing bolts.

6. Remove the four conveyor belt guide rollers.

7. At each end of the magnet box remove the cables from the terminal blocks. Note and identify the position of each cable to ensure correct connections when reassembling.

8. Using a sharp blade break the silastic seal securing the fibreglass cover to the steel side plates.

9. Support the magnet box and remove the screws retaining the magnet box to the stainless steel side plates.

10. Lift out the magnet box.

NOTE

Where a silastic seal has been broken the components must be cleaned and free of old sealant before re-assembly with new sealant.

7.3.3 Lower Magnet box replacement

NOTE

Ensure the conveyor belt is correctly positioned before fitting the magnet box.

1. Lower the magnet box in place and support the box at a height whereby the lower face of the fibreglass cover is sitting on the top face of the steel side plates.

2. Secure the magnet box in place with screws removed in 9. above.

3. Reconnect the cables to the terminal blocks at each end of the magnet box.

4. Refit the four guide rollers. Check that the conveyor drive belt is correctly tensioned. If not, see instructions for fitting the drive motor.

5. Refit the two product guides and four support pillars.

6. Refit and reconnect the lower cooling fan assembly.

7. Replace the top magnet box.

8. Tension the conveyor belt and set for correct operation. The guide roller mounted in slots is adjusted to give the correct tension and position of the belt. The roller should be adjusted to set the conveyor belt midway between the product guides.

   NOTE
   It must be ensured that the belt is running correctly through the guides under the top magnet box, i.e. the belt is not touching the guides when entering or exiting the chute. Failure to do so may result in permanent damage to the belt.

9. Replace the cover.

7.4 Conveyor Belt Removal/Replacement (Endless Belt)

1. Remove the cover.

2. Remove both magnet boxes.

3. Remove the conveyor belt.

4. Fit the new conveyor belt and reassemble the unit

7.5 Conveyor Belt Replacement (Jointed Belt)

An optional belt with a join is offered as a replacement if this is acceptable the fitting procedure is as follows:

1. Remove the cover.

2. Slacken the conveyor belt by loosening the adjustable rollers fixing bolts.

3. Cut through the belt and remove.

4. Lace the new belt around the rollers and fit the joint-locking wire.

5. Tension the conveyor belt and set for correct operation. The guide roller mounted in slots is adjusted to give the correct tension and position of the belt. The roller should be adjusted to set the conveyor belt midway between the product guides.

7.6 Cooling fans

7.6.1 Cooling fan removal/replacement (upper and lower)

1. Remove the cover.

2. Disconnect the fan power leads from the terminal block, identifying them for ease of re-connection.

3. Remove the four screws securing the fan and plate to the steel side plate.

4. Remove the four screws securing the fan plate to the fan.

5. The replacement fan is fitted in the reverse order.

8. BASIC FAULT FINDING TABLE (TABLE 1)

NOTE
The table includes possible faults of optional extras **DISREGARD** sections that are not applicable to a particular unit.

Function	Symptom	Possible Fault	Location
Power lamp	Fails to illuminate	Loss of mains supply	User source
		F2 fuse blown	Rear panel
		Faulty neon	Control panel
All field indicators	Fail to illuminate	F1 circuit breaker tripped. (This may be due to faulty degaussing coils - reset and repeat test)	Rear panel
		Degaussing coils overheating (faulty fan)	Magnet boxes
		Solid state relay faulty	Mounted on the front steel side plate adjacent to control panel
		Degaussing coil temperature sensors faulty	Magnet boxes
		Degauss switch SW2 faulty	Control panel
One field indicator	Fails to illuminate	Faulty neon	Control panel
		Faulty connection at terminal blocks TB2, TB7 or TB8	One each end of the magnet box

Function	Symptom	Possible Fault	Location
One Cooling fan	Fails to operate	Faulty motor	Mounted on the front steel side plate
Both Cooling fans	Fail to operate	Faulty thermostatic switch	Mounted on the lower degaussing coils
Conveyor belt	Fails to run but field indicators illuminated	Speed control turned to zero	Control panel
		Conveyor motor faulty	Bolted to front steel side plate
		Motor drive Pcb faulty	Between the steel side plates under the conveyor belt
		Faulty power supply +22v	Mounted on the base plate adjacent to the control panel
		Mis-tracking or jammed Re-track or remove obstacle	
Conveyor belt	Fails to run - indicators not illuminated	Degaussing coils overheating due to faulty fan **OR** operating in high ambient temperature	Mounted on the front steel side plate. Relocate to reduced ambient temperature

Note

Degausser Current Consumption

The degaussing coils are powered as part of a tuned resonant circuit. This allows quite high circulating currents to be generated within the degaussing coils, with minimal current consumption from the mains voltage supply. However, this technique requires that the waveform of the supply voltage contains minimal harmonic distortion. A distorted waveform will result in an increase in current consumption.

The typical current consumption figures provided in this manual are when powered from a supply with minimal distortion. Any increase in current consumption due to a distorted waveform will have minimal effect on the degausser performance, however, excessive current consumption should be avoided for obvious reasons. In the event of unexplained high currents, please consult your supplier.

TABLE 2 CURRENT MONITOR TEST POINTS

The following table contains typical current values to be measured at specific points in the equipment.

The values given are in amperes and may differ slightly to those actually measured due to component tolerance plus effects due to operating temperature.

Model	**Current monitor test points (refer to circuit diagram)**					
	1	**2**	**3**	**4**	**5**	**6**
ZZ001076 220v 50Hz	15.5	2.5	13dc	3 dc static	7.75	36

Recommended Spares List

RL4	RS 100 021	1	Solid State Relay
F2	FF 100 003	5	Fuse 10amp
Fan PCB	FF 100 024	10	Fuse 10amp
D4	SD 100 002	1	Bridge Rectifier
	MP 001 349	1	Conveyor Belt (continuous)
OR			
	MP 001 577	1	Conveyor Belt (jointed)
PCB1	XX 003 818	1	Conveyor Motor Drive Pcb

STANDARD V100 CONVEYOR DEGAUSSER : PARTS LIST

DESIGNATION	PART NO	QUANTITY	DESCRIPTION
	CA 100 001	3	Cable gland
C1	CC 100 001	1	Capacitor 100 uF
C2,C9,C11	CC 100 002	9	Capacitor 200uf
C10	CC 100 003	1	Capacitor 33,000uf
C10	CC 200 001	1	Capacitor Clamp
SW3	CG 100 216	1	Contact Block
SW3	CG 100 230	1	Mushroom Operator
TB1	CM 100 030	1	Terminal Block 30A
TB2,TB3,TB7,TB8	CM 100 007	2	Terminal Block 40A
TB10,TB9,TB4,TB5	CM 100 008	4	Terminal Block 10A
PL 1	CM 100 502	-	Plug Pins
SKT 1	CM 100 503	-	Socket Pins
PLU 1	CM 100 509	2	4 way Cable Shell
SKT 1	CM 100 510	1	4 way Chassis Shell
PL 1	CM 100 515	1	4 way Hood
F2	FF 100 003	1	Fuse 10A
	FF 200 004	1	Fuse Holder
	FM 100 001	5	Guard 120mm
M4	FM 100 027	1	Axial Fan 120mm
	FM 100 033	4	Metal Grilles
M4	FM 100 039	1	Finger Guard
	FM 200 052	1	Conveyor Drive Belt
	MP 001 330	1	Bottom Fan Panel
	MP 001 331	1	Bottom Outlet Panel
	MP 001 337	1	Top Outlet Panel
	MP 001 338	1	Top Fan Panel
	MP 001 349	1	Conveyor Belt
	MP 001 464	1	Fan Plate Upper
	MP 001 470	1	Fan Plate Lower
	MP 001 954	1	Cover
	MP 002 183	4	Top Magnet Spacer
	MP 002 425	1	Control Panel Label (50Hz units)
	MP 002 498	1	Fan Bracket
	MP 002 501	1	Fan Heatsink
	MP 003 501	1	Guide Rail L
	MP 003 502	1	Guide Rail R
	OI 100 015	1	Power Indicator
SW2	OI 100 020	1	28v Bulb
FIELD1, FIELD4	OI 100 031	4	Neon
RL5	RS 100 007	1	24v Relay
RL5	RS 100 011	1	Relay Base
RL4	RS 100 018	1	Relay
RL1	RS 100 040	1	240v Relay
RL2	RS 100 055	1	Relay
D4	SD 100 002	1	Rectifier
	SH 300 003	1	Heatsink (small)
F1	SW 100 033	1	30A Circuit Breaker
SW1	SW 100 074	1	Power Switch

STANDARD V100 CONVEYOR DEGAUSSER
PARTS LIST
(Cont'nd)

FIELD1,FIELD4	SW 100 121	4	Yellow Lens
SW2	SW 100 122	1	Green Lens
SW2	SW 100 124	1	Body
FIELD1,FIELD4	SW 100 124	4	Indicator
SW2	SW 100 126	1	Contact Block
FIELD1,FIELD4	SW 100 127	4	Dummy Socket
	XX 001 871	5	Rubber Feet
PCB1	XX 003 818	1	Conveyor Motor Drive PCB
M1	XX 003 819	1	Conveyor Motor Assy
L1,L3	XX 002 132	1	Top Magnet
L2,L4	XX 002 133	1	Lower Magnet Box Assy
	XX 002 499	2	Fan PCB
	XX 002 500	2	Fan Motor Assy
	XX 003 491	1	Drive Roller Assy
	XX 003 492	3	Drive Roller Assy
	XX 002 520	1	Metal Base
RL3	RS 100 007	1	24v dc Relay
RL3	RS 100 011	1	Relay Base
T1	TX 100 041	1	Toroid Transformer

Manufacturer:

***VERITY SYSTEMS* LIMITED**
Verity House, 2 Eastern Road
Aldershot, Hants, GU12 4TD, UK
Tel: 01252 317000
Fax: 01252 316555
E-mail: sales@veritysystems.com
Web Page: http://www.veritysystems.com

VERITY SYSTEMS INC.,
5441 Merchant Circle, Placerville,
CA 95667, U.S.A.
Tel: (530) 626 9363
Fax: (530) 626 9395
Freephone: 1 800 642 5151