

Z-Axis Gun Mover Positioner

Incl. Ext. Gun Blow off

Manual P/N 768 648 D
– English –

Keep for Future Reference



NORDSON (UK) LTD. • STOCKPORT



Order number

P/N = Order number for Nordson products

Notice

This is a Nordson Corporation publication which is protected by copyright. Original copyright date 2000.
No part of this document may be photocopied, reproduced, or translated to another language without the prior written consent of Nordson Corporation. The information contained in this publication is subject to change without notice.

Trademarks

AccuJet, AquaGuard, Asymtek, Automove, Autotech, Blue Box, CF, Can Works, Century, Clean Coat, CleanSleeve, CleanSpray, COLORMAX, Compumelt, Control Coat, Cross-Cut, Cyclo-Kinetic, DispenseJet, DispenseMate, Durafiber, Durasystem, Easy Coat, Easymove Plus, Econo-Coat, EPREG, ETI, Excel 2000, Flex-O-Coat, Flexi-Spray, Flow Sentry, Fluidmove, Fluidshooter, FoamMelt, FoamMix, Helix, Horizon, Hose Mole, Hot Shot, Hot Stitch, Isocoil, Isocore, Iso-Flo, KB30, Little Squirt, Magnastatic, MEG, Meltex, Micromax, MicroSet, Millenium, Mini Squirt, Moist-Cure, MultiScan, Nordson, OmniScan, Opticoat, Package of Values, PluraFoam, Porous Coat, PowderGrid, Powderware, Pro-Flo, ProLink, PRX, RBX, Rhino, S. design stylized, SC5, SCF, Select Coat, Select Cure, Slautterback, Smart-Coat, Spray Squirt, Spraymelt, Super Squirt, Sure-Bond, Sure Coat, System Sentry, Tela-Therm, Trends, Tribomatic, UniScan, UpTime, Versa-Coat, Versa-Screen, Versa-Spray, Watermark, When you expect more are registered trademarks – ® – of Nordson Corporation.

ATS, Auto-Flo, AutoScan, BetterBook, Chameleon, CanNeck, Check Mate, CPX, Control Weave, Controlled Fiberization, EasyClean, Ebraid, Eclipse, Equi=Bead, Fillmaster, FlexiCoat, Gluie, Ink-Dot, JR, Maxima, MicroFin, Minimeter, Mountaingate, Multifil, OptiMix, Pattern View, PluraMix, Primarc, Prism, Pro-Meter, Pro-Stream, Process Sentry, PurTech, Pulse Spray, Saturn, Seal Sentry, Select Charge, Select Series, Sensomatic, Shaftshield, Spectral, Spectrum, Sure Brand, Sure Coat, Swirl Coat, Vista, Walcom, 2 Rings (Design) are trademarks – ® – of Nordson Corporation.

Designations and trademarks stated in this document may be brands that, when used by third parties for their own purposes, could lead to violation of the owners' rights.

Declaration of Conformity

98/37/EC

73/23/EEC

We,

Nordson (U.K.) Limited

of

**Ashurst Drive, Cheadle Heath, Stockport, Cheshire, SK3 0RY,
United Kingdom**

declare that under our sole responsibility for supply/manufacture of the product(s)

Product Name Z-Axis Gun Mover Positioner 1200mm Stroke & 1600mm Stroke

Model Number(s) 766650 (1200mm) / 766663 (1600mm)

Product Options All

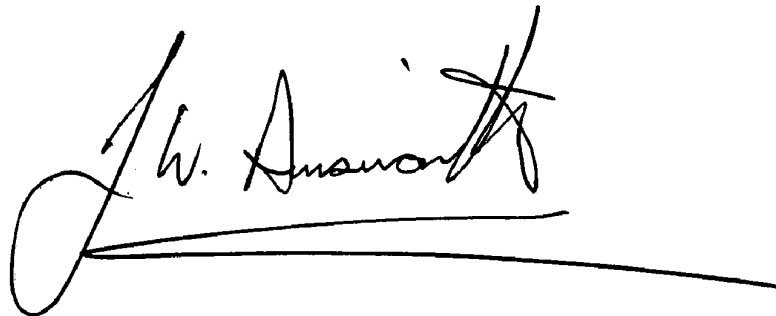
to which this declaration relates, is in conformity with the following standards and other normative documents

Safety BS EN 60204-1:1993
"Safety of Machinery – Electrical equipment of machines"

EN 60335:Part 1:1988
"Safety of household and similar electrical appliances"

BS EN 292:1991
"Safety of machinery – Basic concepts, general principles for design"

following the provisions of 98/37/EC and 73/23/EEC Directives

A handwritten signature in black ink, appearing to read 'J. Ainsworth', with a long horizontal line extending from the end of the signature.

Jim Ainsworth
General Manager

Nordson (U.K.) Ltd., 15th December 2000

NB ref EN45014 (BS7514)

Table of Contents

Congratulations on the Purchase of Your Nordson Product

Your Safety is Important to Nordson	O-1
Manufacturer of Equipment	O-1

Nordson International

Europe	O-3
Distributors in Eastern & Southern Europe	O-3
Outside Europe / Hors d'Europe / Fuera de Europa	O-4
Africa / Middle East	O-4
Asia / Australia / Latin America	O-4
Japan	O-4
North America	O-4

Section 1 Safety

1. Introduction	1-1
2. Qualified Personnel	1-1
3. Intended Use	1-1
4. Regulations and Approvals	1-1
5. Personal Safety	1-2
6. Fire Safety	1-3
7. Action in the Event of a Malfunction	1-4
8. Disposal	1-4

Section 2 Description

1. Intended Use	2-1
2. Features	2-1

Section 3
Installation

- 1. Transport 3-1
- 2. Unpacking 3-1
- 3. Removing 3-1
- 4. Storage 3-1
- 5. Disposal 3-1
- 6. Setting Up the Unit 3-2
- 7. Electrical 3-2

Section 4
Operation

- 1. Daily Operation 4-1

Section 5
Maintenance

- 1. Daily Maintenance 5-1
- 2. Every Six Months or 3000 Hours 5-1
- 3. Positioning Assembly 5-2
 - Disassembly 5-2
 - Assembly 5-2
 - Potentiometer Setting Preferred Method 5-3
 - Potentiometer Setting Non-preferred Method 5-3

Section 6
Troubleshooting

- 1. Important Hints for Troubleshooting 6-1

Section 7
Parts

- 1. Introduction 7-1
 - Using the Illustrated Parts List 7-1
- 2. Z-Axis Gun Mover Positioner 7-2
- 3. External Gun Cleaning 7-2

Section 8
Specifications

- 1. Mechanical 8-1
- 2. Noise 8-1
- 3. Operational 8-1

Congratulations on the Purchase of Your Nordson Product

Nordson equipment is engineered and manufactured in accordance with strict specifications, using high quality components and state-of-the-art technologies that assure reliable, long-term performance. Your product was thoroughly tested for proper operation prior to shipment.

Before unpacking and installing your new equipment, please read this manual. It is your guide to safe installation, productive operation and effective maintenance. We recommend that you keep the manual available for future reference.

Your Safety is Important to Nordson

Carefully read the *Safety* section. Your product is designed for safe operation when used according to the published instructions. Potential hazards exist when operating instructions are not followed.

Manufacturer of Equipment

Nordson (U.K.) Ltd.
Ashurst Drive
Cheadle Heath
Stockport
England
SK3 0RY

Telephone: 0044 (0) 161-495-4200
Fax: 0044 (0) 161-428-6716

For a list of local Nordson organisations, see *Nordson International*.

Nordson International

Europe

Country		Phone	Fax
Austria		43-1-707 5521	43-1-707 5517
Belgium		31-13-511 8700	31-13-511 3995
Czech Republic		4205-4159 2411	4205-4124 4971
Denmark	<i>Hot Melt</i>	45-43-66 0123	45-43-64 1101
	<i>Finishing</i>	45-43-66 1133	45-43-66 1123
Finland		358-9-530 8080	358-9-530 80850
France		33-1-6412 1400	33-1-6412 1401
Germany	<i>Erkrath</i>	49-211-92050	49-211-254 658
	<i>Lüneburg</i>	49-4131-8940	49-4131-894 149
	<i>Düsseldorf - Nordson UV</i>	49-211-3613 169	49-211-3613 527
Italy		39-02-904 691	39-02-9078 2485
Netherlands		31-13-511 8700	31-13-511 3995
Norway	<i>Hot Melt</i>	47-23 03 6160	47-22 68 3636
	<i>Finishing</i>	47-22-65 6100	47-22-65 8858
Poland		48-22-836 4495	48-22-836 7042
Portugal		351-22-961 9400	351-22-961 9409
Russia		7-812-11 86 263	7-812-11 86 263
Slovak Republic		4205-4159 2411	4205-4124 4971
Spain		34-96-313 2090	34-96-313 2244
Sweden	<i>Hot Melt</i>	46-40-680 1700	46-40-932 882
	<i>Finishing</i>	46 (0) 303 66950	46 (0) 303 66959
Switzerland		41-61-411 3838	41-61-411 3818
United Kingdom	<i>Hot Melt</i>	44-1844-26 4500	44-1844-21 5358
	<i>Finishing</i>	44-161-495 4200	44-161-428 6716
	<i>Nordson UV</i>	44-1753-558 000	44-1753-558 100

Distributors in Eastern & Southern Europe

DED, Germany	49-211-92050	49-211-254 658
---------------------	--------------	----------------

**Outside Europe /
Hors d'Europe /
Fuera de Europa**

- For your nearest Nordson office outside Europe, contact the Nordson offices below for detailed information.
- Pour toutes informations sur représentations de Nordson dans votre pays, veuillez contacter l'un de bureaux ci-dessous.
- Para obtener la dirección de la oficina correspondiente, por favor diríjase a unas de las oficinas principales que siguen abajo.

Contact Nordson	Phone	Fax
-----------------	-------	-----

Africa / Middle East

DED, Germany	49-211-92050	49-211-254 658
--------------	--------------	----------------

Asia / Australia / Latin America

Pacific South Division, USA	1-440-988-9411	1-440-985-3710
--------------------------------	----------------	----------------

Japan

Japan	81-3-5762 2700	81-3-5762 2701
-------	----------------	----------------

North America

Canada		1-905-475 6730	1-905-475 8821
USA	Hot Melt	1-770-497 3400	1-770-497 3500
	Finishing	1-440-988 9411	1-440-985 1417
	Nordson UV	1-440-985 4592	1-440-985 4593

Section 1

Safety

Section 1

Safety

1. Introduction

Read and follow these safety instructions. Task and equipment specific warnings, cautions, and instructions are included in equipment documentation where appropriate.

Make sure all equipment documentation, including these instructions, is accessible to all persons operating or servicing equipment.

2. Qualified Personnel

Equipment owners are responsible for making sure that Nordson equipment is installed, operated, and serviced by qualified personnel. Qualified personnel are those employees or contractors who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.

3. Intended Use

Use of Nordson equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property.

Some examples of unintended use of equipment include

- using incompatible materials
- making unauthorized modifications
- removing or bypassing safety guards or interlocks
- using incompatible or damaged parts
- using unapproved auxiliary equipment
- operating equipment in excess of maximum ratings

4. Regulations and Approvals

Make sure all equipment is rated and approved for the environment in which it is used. Any approvals obtained for Nordson equipment will be voided if instructions for installation, operation, and service are not followed.

5. Personal Safety

To prevent injury follow these instructions.

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors, or covers are intact and automatic interlocks are operating properly. Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing any moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Relieve (bleed off) hydraulic and pneumatic pressure before adjusting or servicing pressurized systems or components. Disconnect, lock out, and tag switches before servicing electrical equipment.
- While operating manual electrostatic spray guns, make sure you are grounded. Wear electrically conductive gloves or a grounding strap connected to the gun handle or other true earth ground. Do not wear or carry metallic objects such as jewelry or tools.
- If you receive even a slight electrical shock, shut down all electrical or electrostatic equipment immediately. Do not restart the equipment until the problem has been identified and corrected.
- Obtain and read Material Safety Data Sheets (MSDS) for all materials used. Follow the manufacturer's instructions for safe handling and use of materials, and use recommended personal protection devices.
- To prevent injury, be aware of less-obvious dangers in the workplace that often cannot be completely eliminated, such as hot surfaces, sharp edges, energized electrical circuits, and moving parts that cannot be enclosed or otherwise guarded for practical reasons.

6. Fire Safety

To avoid a fire or explosion, follow these instructions.

- Ground all conductive equipment in the spray area. Check equipment and workpiece grounding devices regularly. Resistance to ground must not exceed one mega-ohm.
- Shut down all equipment immediately if you notice static sparking or arcing. Do not restart the equipment until the cause has been identified and corrected.
- Do not smoke, weld, grind, or use open flames where flammable materials are being used or stored.
- Provide adequate ventilation to prevent dangerous concentrations of volatile materials or vapors. Refer to local codes or your material MSDS for guidance.
- Do not disconnect live electrical circuits while working with flammable materials. Shut off power at a disconnect switch first to prevent sparking.
- Know where emergency stop buttons, shutoff valves, and fire extinguishers are located. If a fire starts in a spray booth, immediately shut off the spray system and exhaust fans.
- Shut off electrostatic power and ground the charging system before adjusting, cleaning, or repairing electrostatic equipment.
- Clean, maintain, test, and repair equipment according to the instructions in your equipment documentation.
- Use only replacement parts that are designed for use with original equipment. Contact your Nordson representative for parts information and advice.

**7. *Action in the Event of a
Malfunction***

If a system or any equipment in a system malfunctions, shut off the system immediately and perform the following steps:

- Disconnect and lock out electrical power. Close pneumatic shutoff valves and relieve pressures.
- Identify the reason for the malfunction and correct it before restarting the equipment.

8. *Disposal*

Dispose of equipment and materials used in operation and servicing according to local codes.

Section 2

Description

Section 2

Description

1. *Intended Use*

The Nordson *Z-Axis Gun Mover Positioner* is intended for use in conjunction with a Nordson Gun Mover. This can be controlled automatically through beam arrays or manually using push buttons. It can also be used in conjunction with the Nordson External Gun Cleaning System

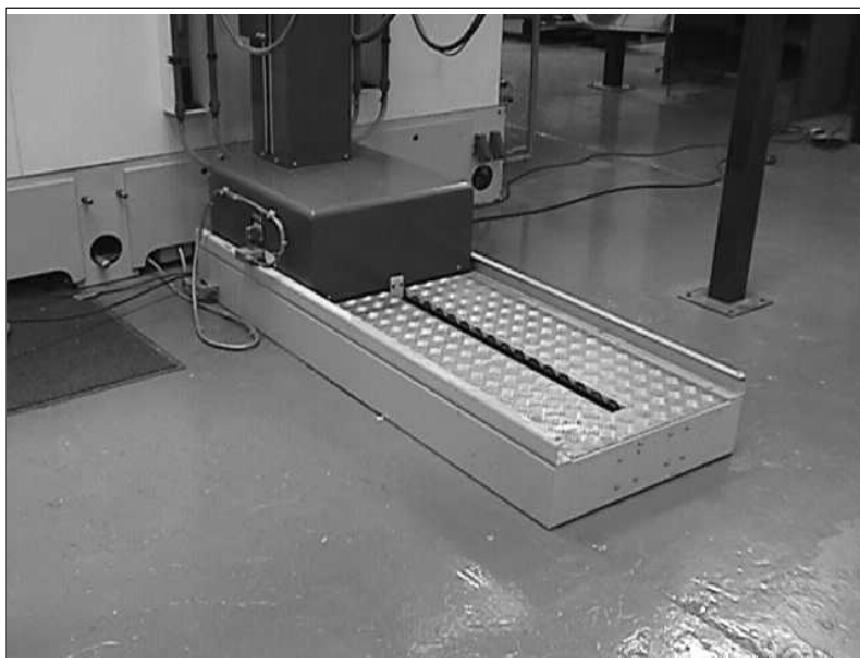


Fig. 2-1 Z-Axis Mover

2. *Features*

The unit is powered by a three-phase motor and gear box through a chain drive, which gives a linear speed of approx. 2.5 m/min. The drive unit is located underneath an aluminium chequer plate, which is strong enough to stand on. Controlling the unit is a potentiometer, which is driven through a small precision gearbox.

Section 3

Installation

Section 3

Installation



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

1. Transport

Transport the unit so as to avoid damage. Do not throw the unit. Use suitable packaging materials and sturdy cartons. See *Specifications* section for dimensions and weights

Protect the unit from exposure to humidity, dust and vibrations.

2. Unpacking

Carefully unpack the unit to avoid damaging it. Check for damage caused during transport.

Save packing materials for possible later use. Otherwise recycle or dispose of properly according to local regulations.

3. Removing

Switch off the mains supply, then disconnect all electrical connections from the unit.

4. Storage

Pack the unit in suitable packing materials and sturdy cartons. Protect from humidity, dust and large temperature fluctuations (condensation).

5. Disposal

Dispose of properly according to local regulations.

6. Setting Up the Unit



WARNING: Allow only qualified personnel to perform the installation. Observe safety instructions.

1. Place the Z-axis gun mover positioner on the floor, in line with the gun slot openings.
2. Slide the Reciprocator/Oscillator wheels into the guide rail slots.



CAUTION: It may be necessary for two persons to be available to complete the above.

3. Align the Reciprocator/Oscillator with the gun slots and attach the gunbars to the carriage.

NOTE: It is good practice to keep the gunbars as short as possible to reduce gun bar shake.

4. Connect the mounting bracket to the rear of the Reciprocator/Oscillator
5. Bolt the positioner to the floor after leveling. Refit top covers.

7. Electrical



WARNING: Allow only qualified personnel to perform electrical connections. Observe the safety instructions.

1. Connect the Z-axis gun mover positioner to the controller using the cable provided, route the cable to avoid sharp corners, bends and areas of heavy personnel traffic.

Section 4

Operation

Section 4 Operation



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

1. Daily Operation

The Z-axis gun mover positioner works in conjunction with photocell array or beam array , in which case the operation is automatically controlled through a Nordson PLC system or a stand alone control PLC system.

If the system is manually controlled via push buttons, it is up to the operator to set the correct distance between the product and the guns.

Where external gun clean is fitted, the system is controlled automatically for both systems. The guns move to there most inward point then retract with the Nordson cleaning manifolds switched on. As the Z-axis gun mover positioner retracts, the majority of the powder is removed from the external surfaces of the guns and gun bars.

Section 5

Maintenance

Section 5 Maintenance



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.



WARNING: Breathing in certain airborne dusts (including finishing powders) may be hazardous to health. Ask the powder manufacturer for a Material Safety Data Sheet (MSDS) for information. Use appropriate respiratory protection.

1. Daily Maintenance

- Clean any powder from the Z-axis gun mover positioner covers.
- Listen for any excessive noise, investigate cause and rectify at earliest opportunity.
- Ensure Reciprocator/Oscillator is moving freely in the guide rail.

2. Every Six Months or 3000 Hours

- Check tension or chain
- Inspect all parts for wear and replace as necessary.
- Grease pillow blocks.
- Inspect the gearbox if the seals are worn or leaking, replace gearbox.

3. Positioning Assembly

Disassembly

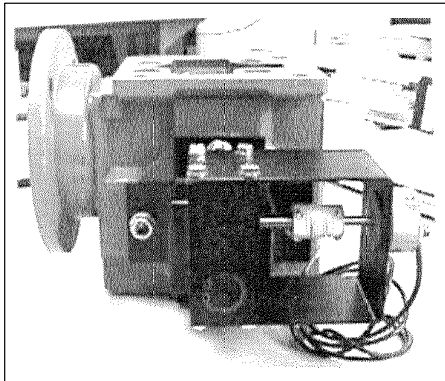


Fig. 5-1

NOTE: The following procedure may not be applicable, it is possible to replace the potentiometer gearbox assembly without removing the main gearbox and motor.

1. Remove all panels and covers from the Z-axis gun mover positioner, this enables access to the motor and gearbox.
2. Disconnect the cable from the motor.
3. Remove the potentiometer wires from the main input connector, note the colours and position of the wires.
4. Remove potentiometer gearbox assembly from main gearbox.

Inspect all parts for damage and renew any suspect or defective parts.

Assembly

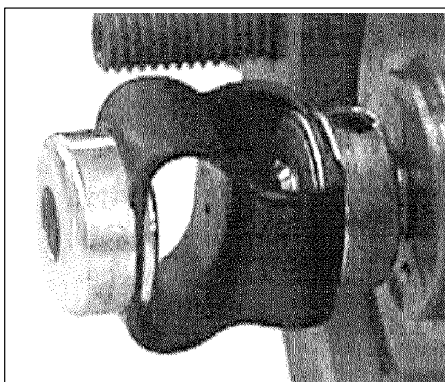


Fig. 5-2

1. To fit the new potentiometer gearbox assembly first check if a new spigot is required on the main gearbox, if so re-tap thread to ensure a good fit and secure spigot with Locktite 270.
2. Remove the flexible coupling from the new potentiometer assembly and fit to spigot. (Care should be taken not to over-tighten grub screws because the thread could be stripped.)
3. Fit the new potentiometer gearbox assembly to the main gearbox ensuring the alignment is such that the grub screw is accessible.
4. Fit the potentiometer to the assembly.

5. Connect the wires from the potentiometer to the main input connector in as previously connected.
6. Reconnect the electrical cable to the controller.

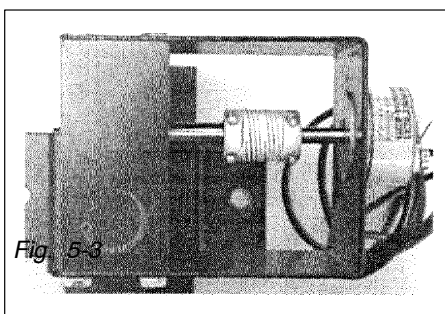


Fig. 5-3

3. Positioning Assembly

(contd.)

Potentiometer Setting Preferred Method

1. Centralize the stroke of the mover
2. Connect a D.C. voltmeter, 20 volt range between pins 5 (Black) and 6 (Yellow) of the main input connector.
3. Release the screws holding the potentiometer in place and carefully turn the potentiometer until the voltage reads 5 volts.

NOTE: One volt represent the furthest back position and ten volts represents furthest forward position in relation to the booth.

4. Tighten the potentiometer fixing screws and check voltage measurement. Adjust again if necessary.

Potentiometer Setting Non-preferred Method



CAUTION: Avoid using analogue meters on high resistance scales as the currents produced during resistance measurement may damage the potentiometer. Where this is not possible reduce the time taken to make measurements.

1. Position the carriage in the middle of its stroke.
2. Disconnect the power lead from the reciprocator.
3. Slacken the screws fixing the potentiometer.
4. Connect a resistance meter (20k Ω . Range) across the rear of the potentiometer, wires yellow and red. Rotate the potentiometer body to obtain an initial reading of 3k Ω .
5. Connect a resistance meter (20k Ω . Range) across the rear of the potentiometer, wires yellow and black. Rotate the potentiometer body to obtain an initial reading of 3k Ω .
6. Average out the readings obtained in 4 and 5 to find the resistive mid point of the potentiometer by repeated fine adjustment of the potentiometer body and resistance measurement. With some patience you should be able to obtain a measurement ± 100 Ohms @ black and red wire with reference to yellow (potentiometer wiper).
7. Tighten the potentiometer clamping screws.
8. Re-check resistance reading.

Troubleshooting

Section 6

Troubleshooting

1. Important Hints for Troubleshooting



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

The following tables provide general information for the troubleshooting of basic problems. Sometimes more detailed information, circuit diagrams or measuring devices are also needed for troubleshooting.

It must be noted that a fault can occur for several reasons. It is advisable to check all possible causes for a given fault. Obvious causes of malfunction such as broken wires, missing fasteners etc., should be noted during visual inspections and corrected immediately

The Unit does not contain any user serviceable parts; approved parts available from Nordson must replace any parts that fail.

2. Common Faults

Table 6a

Problem	Possible Cause	Corrective Action	Refer to
Z-Axis mover will not operate	Power off.	Switch on power.	
	Overload operated.	Re-set overload.	
	Breaker tripped.	Investigate cause.	
	Wiring fault.	Repair or replace.	
	Motor failure.	Investigate cause. Replace.	
	Contactors fault.	Repair or replace. Check push button wiring	
	Photocells/beam array is faulty	Contact your local Nordson Subsidiary	

2. Common Faults(*contd.*)

Table 6a

Problem	Possible Cause	Corrective Action	Refer to
Movement of the Z-Axis Mover is erratic	Chain is loose	Tighten Chain	
	Potentiometer failed or faulty	Replace Potentiometer	
	Motor/Gearbox faulty	Repair or replace	
	Sprocket has become loose on shaft.	Repair or replace	
External gun clean is inoperative	Air supply is off	Turn air on	
	Solenoid valve faulty	Replace or repair valve	
	Regulator is turned off	Set regulator to max 4 Bar	
	Signal to solenoid valve is faulty	Contact your local Nordson Subsidiary	

Section 7

Parts

Section 7

Parts

1. Parts

To order parts, call the Nordson Customer Service Center or your local Nordson representative. Use the parts list, and the accompanying illustration, to describe and locate parts correctly.

Using the Illustrated Parts List

Numbers in the Item column correspond to numbers that identify parts in illustrations following each parts list. The code NS (not shown) indicates that a listed part is not illustrated. A dash (—) is used when the part number applies to all parts in the illustration.

The number in the Part column is the Nordson Corporation part number. A series of dashes in this column (-----) means the part cannot be ordered separately.

The Description column gives the part name, as well as its dimensions and other characteristics when appropriate. Indentions show the relationships between assemblies, subassemblies, and parts.

Item	Part	Description	Quantity	Note
—	000 0000	Assembly	1	A
1	000 000	• Subassembly	2	
2	000 000	• • Part	1	

- If you order the assembly, items 1 and 2 will be included.
- If you order item 1, item 2 will be included.
- If you order item 2, you will receive item 2 only.

The number in the Quantity column is the quantity required per unit, assembly, or subassembly. The code AR (As Required) is used if the part number is a bulk item ordered in quantities or if the quantity per assembly depends on the product version or model.

Letters in the Note column refer to notes at the end of each parts list. Notes contain important information about usage and ordering. Special attention should be given to notes.

2. Z-Axis Gun Mover Positioner

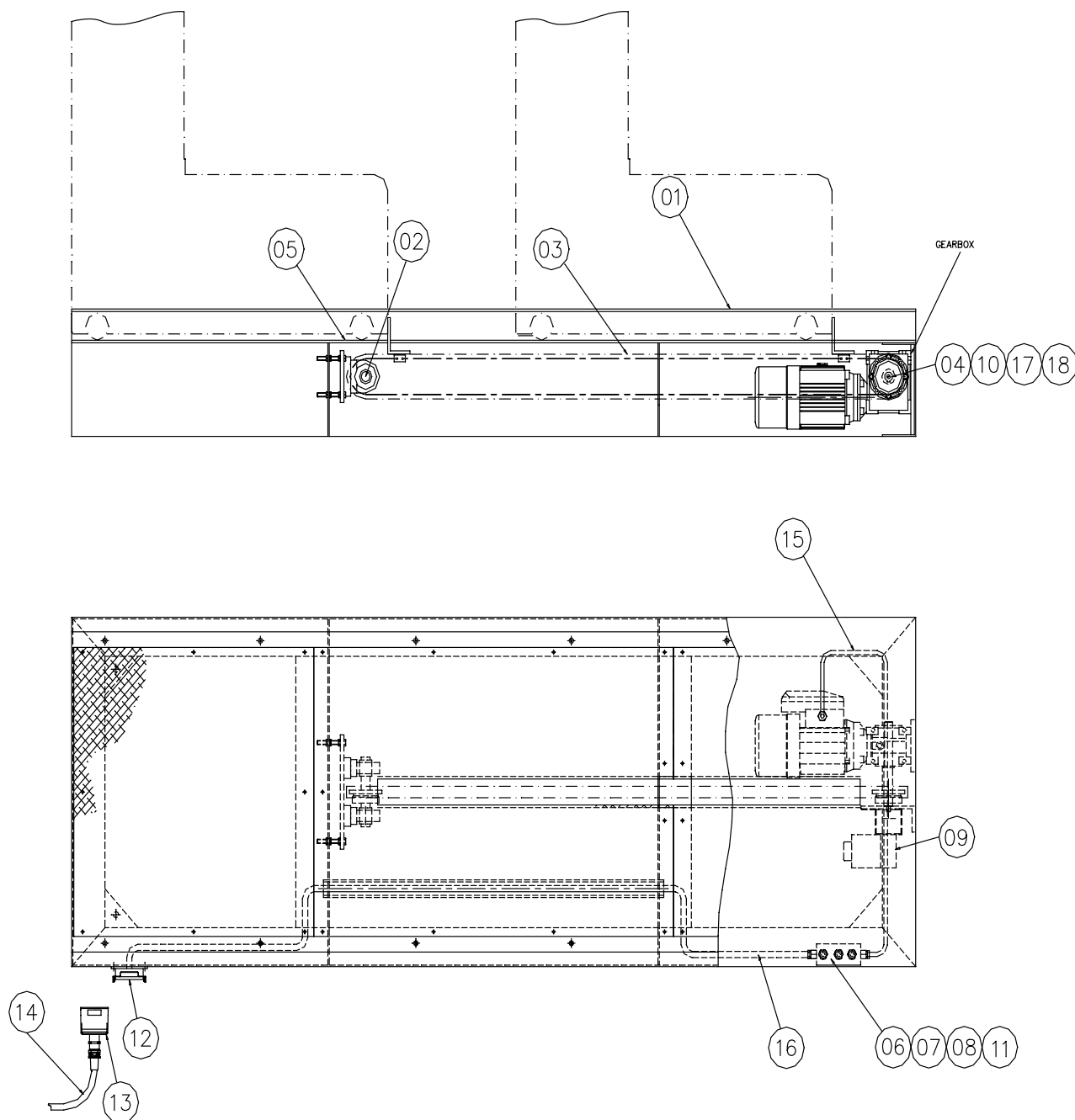


Fig. 7-1 Z- Axis Mover

Item	Part	Description	Quantity	Note
–	766 650	Z-Axis Gun Mover Positioner, 1200mm Stoke	1	
–	766 663	Z-Axis Gun Mover Positioner, 1600mm Stoke	1	
01	766 651	• Fab,Positioner, Z-Axis Gun Mover, 1200mm Stroke	1	
	766 664	• Fab,Positioner, Z-Axis Gun Mover, 1600mm Stroke	1	
02	766 929	• Sprocket, 1/2", 17T, 20 Bore	2	
03	766 930	• Chain 1/2" Simplex	2.6 m	
04	766 653	• Chain attachment, 1/2"	1	
05	766 932	• Bearing, Pillow Block	3	
06	769 000	• Enclosure, terminal, 8 way, plastic	1	
07	769 133	• Gland, cable 8–13 mm	4	
08	769 132	• Gland, cable 4–7 mm	1	
09	765 161	• Position assy (D/D)	1	
10	765 054	• Potentiometer, servo, 5k	1	
11	769 048	• Terminal block, 10A, 12 way	1	
12	769 025	• Connector, housing, 10 way, rear ent	1	
13	769 027	• Connector, insert, 10 way, male	2	
14	765 056	• Cable, reciprocator, 10 way, 6 mtr	1	
15	769 112	• Cable, SY, 3 core + E, 1.5 mm ² /mtr	1.5 m	
16	769 116	• Cable, SY, 8 core + E, 1.0 mm ² /mtr	2	
17	766 660	• Shaft, drive, 2nd Axis Mover	1	
18	766 661	• Motor + Gearbox, 2nd Axis Mover	1	
AR: As Required				
NS: Not Shown				

3. External Gun Clean

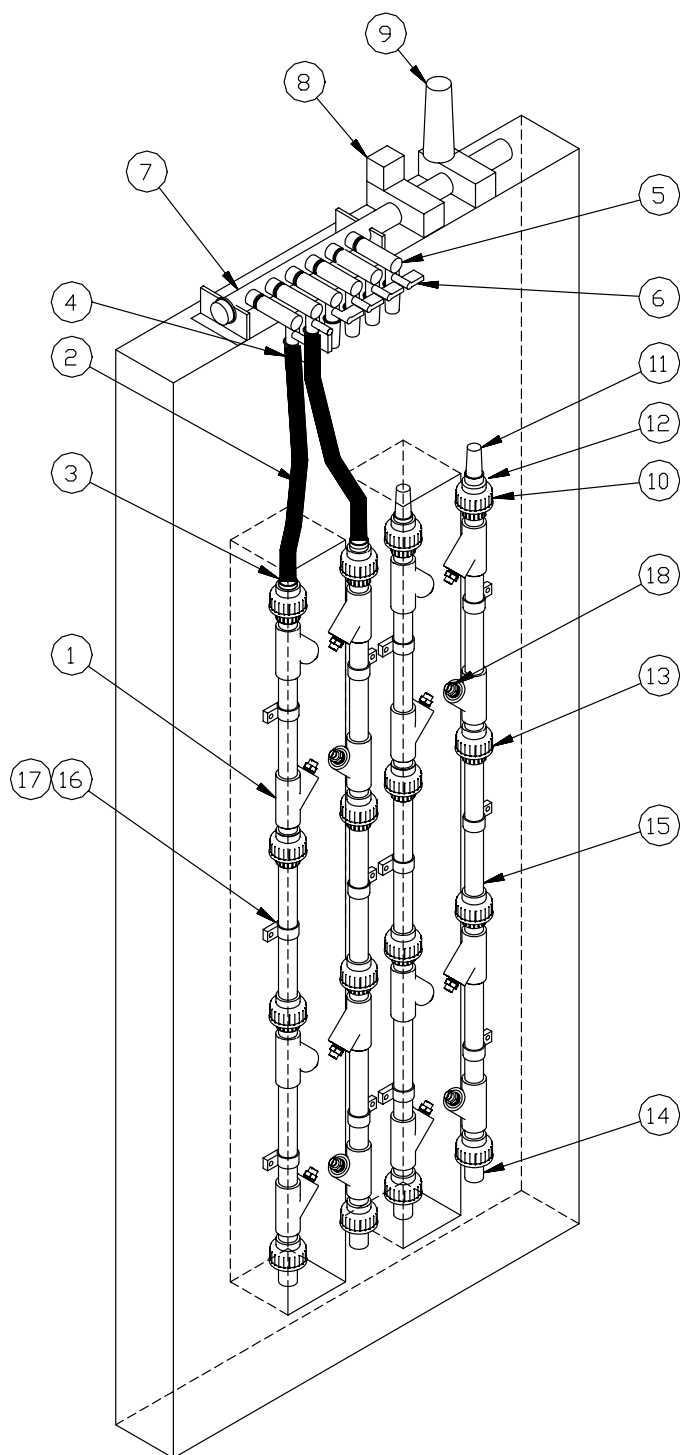


Fig. 7-2 External Gun Cleaner

Item	Part	Description	Quantity	Note
1	766 976	Manifold, Cleaning, Gun Blow Off	AR	A
2	768 289	Tubing, 1/2", Nylon	AR	
3	769 520	Clip, Jubilee	AR	
4	768 166	Connector, 1/2" x 3/8"BSP	AR	
5	768 167	Fitting, Elbows, 3/8"BSP M-F	AR	
6	768 169	Valve, Shut off, Mini, 3/8"BSP	AR	
7	766 961	Manifold, Air Distribution	1	B
8	768 285	Valve, Solenoid, 3/4"BSP	1	
9	768 284	Regulator, c/w Gauge 3/4"BSP	1	
10	766 977	Fitting, 1/2" Plain – 1/2" Threaded Union	AR	
11	766 979	Fitting, 3/8 – 16mm Hose Connector	AR	
12	766 978	Fitting, 1/2" – 3/8" Reduction Bush	AR	
13	766 985	Fitting, 1/2" Plain – 1/2" Plain Union	AR	
14	766 980	Fitting, 1/2" Plain End Cap	AR	
15	766 981	Pipe, 1/2" PVC-U (per 2m Length)	AR	
16	766 983	Clip, Pipe, 1/2" PVC-U	AR	
17	766 984	Clip, Pipe, Spacer, 1/2" PVC-U	AR	
18	766 982	Nozzle Gun Blow Off	AR	
NOTE A: Two Manifolds are required per gun.				
B: One Manifold Air Distrubution will feed up to a maximum of three auto gun slots per side of booth				
AR: As Required				
NS: Not Shown				

Specifications

Section 8 Specifications

1. Dimensions and Weights

Part No	766650/766663
Height (mm)	240
Width (mm)	675
Length (mm)	2100 (766650), 2500 (766663)
Weight (kg)	165 kg approx. (766650) 180 kg approx. (766663)

2. Noise

Less than 70 db(A). Measured at a distance of 1 m from the surface of the unit and at a height of 1.6 m.

3. Operational

Traverse speed (m/min.)	0 – 2.5
Max. ambient temp. (°C)	32
Max. stroke length (mm)	1200mm (766650) , 1500mm (766663)

