



# Three-in-One Air Brad Nailer

## User Manual

[Revision 2.0 April 2017]

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READ THIS MANUAL CAREFULLY BEFORE USE AND KEEP FOR FUTURE REFERENCE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

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# TABLE OF CONTENTS

<b>PREFACE</b> .....	<b>2</b>
<b>SAFETY INFORMATION</b> .....	<b>2</b>
<b>ASSEMBLY</b> .....	<b>4</b>
Air System .....	4
Loading Fasteners .....	4
<b>OPERATING INSTRUCTIONS</b> .....	<b>5</b>
Using the Nailer .....	5
Clearing a Jammed Fastener .....	5
<b>REGULAR MAINTENANCE</b> .....	<b>5</b>
<b>TROUBLESHOOTING</b> .....	<b>6</b>
<b>EXPLODED PARTS DRAWING</b> .....	<b>7</b>
<b>PARTS LIST</b> .....	<b>8</b>
<b>SPECIFICATIONS</b> .....	<b>10</b>

# PREFACE

Thanks for buying the Nailer, another high-quality machine from our company.

To get the most out of your purchase, please read the manual before using the Nailer.

We ask you to please read this manual carefully beforehand to familiarise yourself with this product and after reading, please store this instructional manual for future reference. Failure to follow the proper protocols listed in the manual may cause personal injury to the operator or damage to equipment.

# SAFETY INFORMATION

**WARNING!** ENSURE THAT NO PART OF ANY HUMAN, ANIMAL OR CLOTHING IS PLACED IN/NEAR THE AREA WHERE NAILS ARE FIRED OUT OF THE GUN, REGARDLESS OF WHETHER YOU THINK THE GUN IS EMPTY OR LOADED WITH NAILS.

- Keep your working area clean.
- Do not allow children to enter areas where the nailer is stored or in use, or handle the nailer even if the nailer is unpowered.
- Do not operate the nailer under the influence of alcohol or drugs.
- Use safety glasses. Safety glasses should conform to ANSI Z87.1 specifications. Safety glasses should be worn when loading, operating, unloading or servicing the nailer.
- Use ear protection. Exposure to high noise levels can lead to hearing damage.
- Never use oxygen combustible gases, bottled gases or high pressure compressed gas as a power source for this tool as it may explode and cause serious injury.
- Dress safely. Protective gloves and non-skid footwear or safety shoes are recommended when working with and operating the nailer. Do not wear loose clothing or jewellery as they can get caught in moving parts. Also, wear a protective hair covering to prevent your hair from getting caught in the nailer.
- When operating the tool, keep proper footing and balance to avoid damage resulting from losing balance.
- Before using the tool, carefully check if there are damaged parts.
- Replace parts and accessories. Only allow the use of the same replacement parts while servicing. Approved accessories and replacement parts are available.
- Be alert. Watch what you are doing. Use common sense. Do not operate any tools while you are tired.
- Store the nailer when not in use. The nailer should be cleaned, fully assembled and then stored in a dry location to reduce rust. For safety, keep out of reach of children.
- Pay attention to the air hose and their connections. Don't trip over hoses. Make sure that all connections are tight.
- After loading the fasteners, never point the nail gun at yourself or others.
- Use the correct air connector. The connector on the nail gun must not hold pressure when the air supply is disconnected. If the wrong fitting is used, the nail gun can be charged with air after being disconnected and still be able to drive a fastener.

### THREE-IN-ONE AIR BRAD NAILER

- When connecting the air, the nail gun may possibly fire the fasteners as soon as you plug it into the air hose. Remove all the fasteners before connection.
- Do not press the safety bracket and the trigger when loading.
- If the fasteners are jammed, disconnect the nail gun and remove the jammed fasteners.
- Disconnect the nail gun from the air supply hose before doing maintenance, clearing a jammed fastener, leaving the work area, moving the nail gun to another location, or handing it to another person.
- Always assume the tool contains fasteners. Do not aim the tool at yourself or others.
- Do not load fasteners with the trigger or safety is pressed to prevent unintentional firing of a fastener.
- Remove your finger from the trigger when not driving fasteners. Never carry a tool with your finger on the trigger; the gun will fire a fastener if the safety is bumped while the trigger is pressed.
- Grip the nail gun firmly to maintain control, while allowing it to recoil away from the work surface as the fastener is driven. If the safety bracket is allowed to connect with the work surface again before the trigger is released, an unwanted fastener may be fired.
- Do not drive fasteners on top of other fasteners, or with the tool at a steep angle; the fastener can ricochet, causing personal injury.
- Do not drive fasteners close to the edge of the work piece. The work piece is likely to split, allowing the fastener to fly free or ricochet, causing personal injury.

The warnings and instructions explained in this instruction manual cannot cover all possible conditions and situation that may occur. Common sense and caution are factors which cannot be built into this product and must be supplied by the operator.

# ASSEMBLY

## AIR SYSTEM

- Use clean, dry and regulated compressed air at 4-7 bar (60-100psi).
- Never exceed maximum and minimum pressure. Pressure that is too high or low will cause noise, excess wear and tear or misfiring.
- When connecting the air supply, always keep hands and body away from the discharge area of the tool.
- A filter-regulator lubrication is required and should be located as close to the tool as possible (see Fig. 1).
- Keep the air filter clean. A dirty filter will reduce air pressure, causing a reduction in power and efficiency.
- For better performance, install a quick connector in your tool and quick coupler on the hose.
- Be sure that all connections in the air supply system are sealed to prevent air loss.

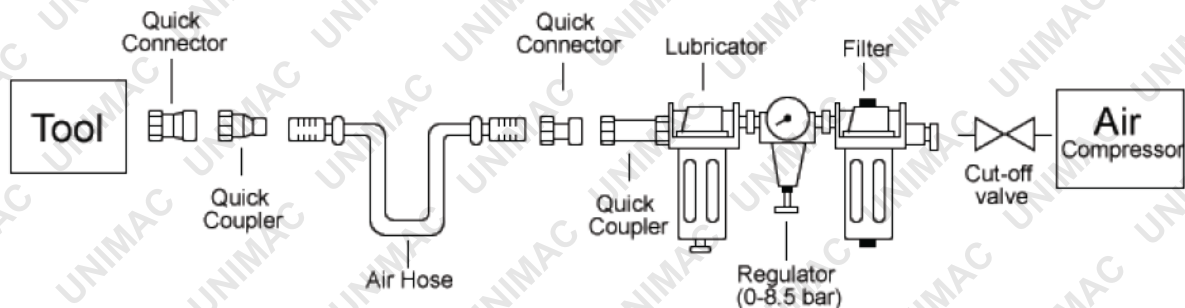


FIGURE 1

## LOADING FASTENERS

**ALWAYS DISCONNECT THE TOOL FROM THE COMPRESSED AIR BEFORE LOADING.**

**WHEN LOADING THE TOOL, ALWAYS POINT THE TOOL AWAY FROM YOURSELF OR OTHERS.**

**MAKE SURE THAT YOU ARE NOT HOLDING THE TOOL WITH TRIGGER DEPRESSED WHILE LOADING THE TOOL.**

1. Disconnect the tool from the air supply. Grasp the nailer firmly with one hand. Press the latch with your thumb and pull the magazine back. Insert the fasteners into the magazine keeping the point down.
2. Release the latch and pusher. Slide the pusher against the nails until it contacts the nails and locks into place.
3. Connect the tool to the air supply. Make sure that the air pressure is in the correct range denoted in the technical data.
4. Test the driving depth in a sample piece of wood before use. If the fastener is being driven too far or not far enough, adjust the regulator to provide more or less air pressure.

Never operate the nail gun unless the safety nose is in contact with the work piece. Do not operate the nail gun without fasteners, this will cause damage to the nailer.

Never fire fasteners into the air because this may cause injury to the operator or others.



# OPERATING INSTRUCTIONS

## USING THE NAILER

1. Press the safety bracket against the intended project.
2. Hold your intended project down but make sure that the nailer is still far away from your holding hand.
3. Squeeze the trigger.
4. For continuous nailing, squeeze the trigger repeatedly.

## CLEARING A JAMMED FASTENER

1. Disconnect the tool from the air supply.
2. Open the latch, check for bent or misfired nails and remove those nails from the lower housing.
3. Use a slender, soft steel rod to push the drive blade to the uppermost position.
4. Use needle nose pliers to remove the jammed fastener.

## REGULAR MAINTENANCE

- Frequent, but not excessive lubrication is required for best performance. Oil added through the airline connection will lubricate the inside parts. An automatic airline oiler is recommended but oil may be added manually before every operation or after about 1 hour of continuous use. Only a few drops of oil at a time are necessary.
- Use only pneumatic tool oil. Do not use detergent oil or additives as these lubricants will cause accelerated wear-out of the seal.
- Use a small amount of oil on all moving surfaces and pivots.
- Dirt and water in the air supply are major causes of pneumatic tool wear-out. Use a filter/oiler for better performance and longer life. The filter must have enough flow capacity for the specific application.
- Keep tools clean for better and safer performance. Use non-flammable cleaning solutions (**CAUTION:** such solutions may damage the O-ring and other tool parts do not soak unless necessary).
- Check if there are worn and damaged parts.
- Inspect trigger and safety mechanism to assure the system is complete and functional; no loose or missing parts, no binding or sticking parts.

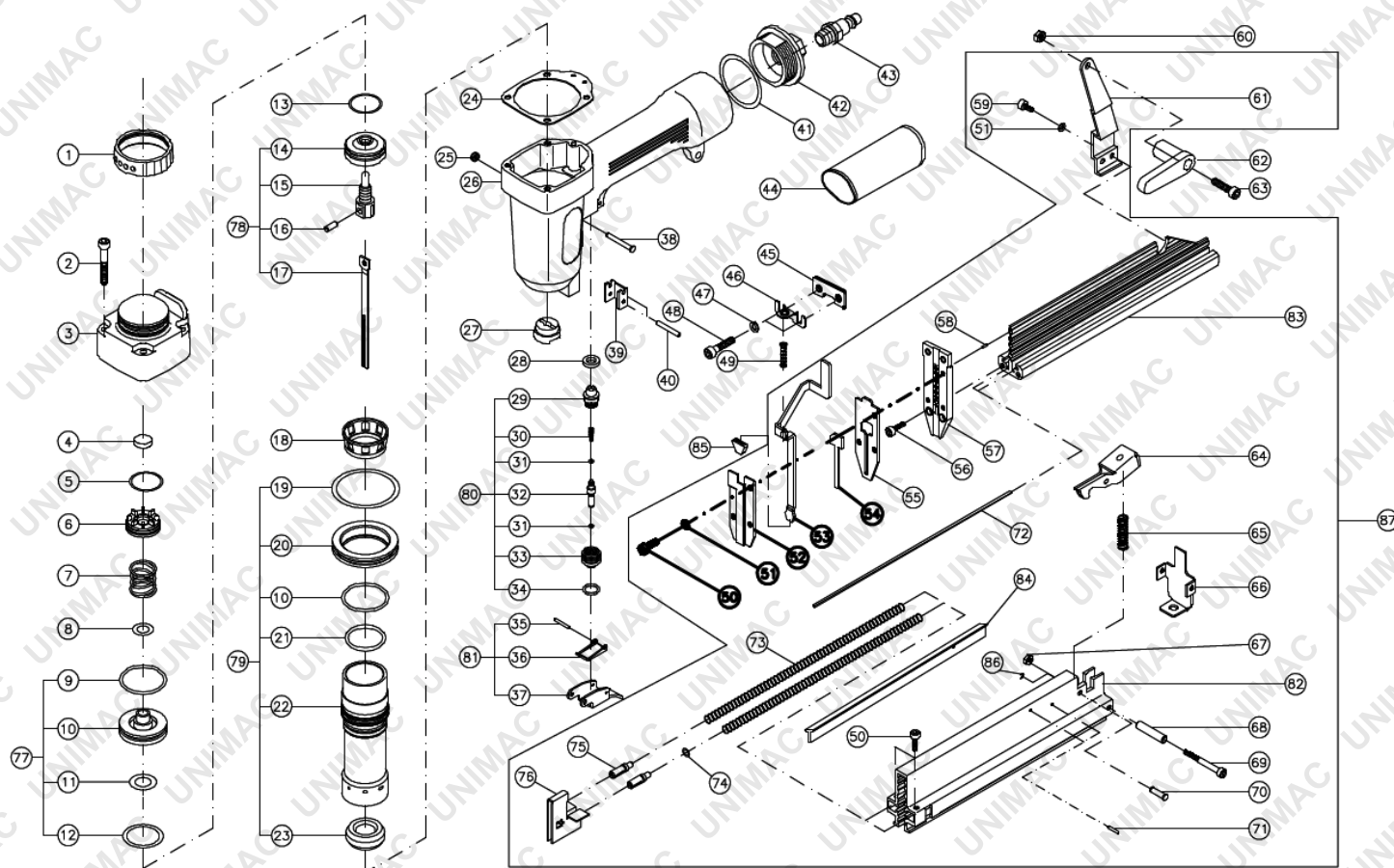
## THREE-IN-ONE AIR BRAD NAILER

# TROUBLESHOOTING

Stop using the tool immediately if any of the following problems occur. Repairs or replacement must be done by a qualified person or an authorised service centre only.

PROBLEM	CAUSE	SOLUTION
Air leaking at trigger area	O-ring in trigger valve	Check/Replace O-ring/Lubricate
Air leaking at the lower portion of the body and nose	Screw is loose at connecting portion of the nose and body	Tighten screws
	O-ring is damaged between body and nose	Check/Replace O-ring/Lubricate
	Bumper is damaged	Replace the bumper
Air leaking at the upper portion of the body and cylinder cap	Screw is loose at the connecting portion of the cylinder and body	Tighten the screw
Failure to start	Tool is dry, lack of lubrication	Use pneumatic tool oil
	The spring in the cylinder cap is damaged.	Replace the spring in the cylinder cap
Blade driving fasteners too deeply	Safe bracket positioned incorrectly	Replace bumper
	Air pressure is too high	Adjust air pressure
	Something stuck between the small piston and small cylinder	Disassemble/Clean/Lubricate
	O-ring on the small piston is worn out and damaged	Check/Replace O-ring/Lubricate
	Tool is dry, lack of lubrication	Use pneumatic oil tool
	Air pressure is low	Adjust air pressure
Skiping fasteners/feeding Intermittently working	Connecting screw of nose and body is loose	Tighten all screws
	Wrong sized fasteners	Use recommended fasteners
	Bent fasteners	Use recommended fasteners
	Small piston bumper is worn out and damaged	Replace bumper and lubricate small piston
	Feed hook is bounded	Clean feed hook and torsion spring
	Nail length is not correct with loading space of nail housing	Use recommended fasteners
Fasteners are jammed	Wrong size of fasteners	Use recommended fasteners
	Damaged or worn out driver guide	Check and replace the driver
	Magazine or nose screw loose/dirty	Tighten and clean the magazine

# EXPLODED PARTS DRAWING





# PARTS LIST

Refer to the [Exploded Parts Drawing](#) for the location of parts listed below.

ITEM NO.	PART NO.	DESCRIPTION	PCS.	ITEM NO.	PART NO.	DESCRIPTION	PCS.
1	A.03.04.0001	Exhaust valve collar	1	46	A.07.19.0021	Stopper	1
2	A.00.00.0241	Screw 5*35	4	47	A.00.05.0011	Washer #5	2
3	A.09.33.XXXI	Cylinder cap	1	48	A.00.00.0201	Screw 5*20	2
4	A.03.11.0021	Seal, air	1	49	A.01.00.0221	Spring	1
5	A.02.00.1361	O-ring 22.9*1.5	1	50	A.00.00.0031	Screw 4*12	5
6	A.03.14.0011	Exhaust valve site	1	51	A.00.05.0001	Washer #4	3
7	A.01.00.0331	Spring	1	52	A.07.12.0301	Driver guide cover	1
8	A.02.00.0201	O-ring 9.8*2.4	1	53	A.07.11.0641	Release catch	1
9	A.02.00.0571	O-ring 32*2.5	1	54	A.08.01.1251	Plate	1
10	A.03.08.0041	Firing valve piston	1	55	A.08.00.0511	Spacer	1
11	A.02.00.0251	O-ring 13*3	1	56	A.00.00.0071	Screw 4*18	2
12	A.02.00.0461	O-ring 24.5*3	1	57	A.08.01.1241	Driver guide	1
13	A.02.00.0431	O-ring 22.9*2.7	1	58	A.00.11.0001	Pin 1.5*10	1
14	A.06.02.0071	Piston head	1	59	A.00.00.0011	Screw 4*8	2
15	A.06.01.0051	Piston driver coupling	1	60	A.00.04.0011	Nylon nut M5	1
16	A.00.06.0031	Pin 4.2*10	1	61	A.07.06.0221	Magazine support	1
17	A.06.00.0831	Driver blade	1	62	A.03.16.0001	Belt hook	1
18	A.03.05.0021	Collar	1	63	A.00.00.0211	Screw 5*22	1
19	A.02.00.0761	O-ring 44.8*2.6	1	64	A.07.09.0071	Click lever	1
20	A.08.00.0271	Spacer	1	65	A.01.00.0231	Spring	1
21	A.02.00.0501	O-ring 26.59*2.95	1	66	A.07.18.0081	Tail cover	1
22	A.03.03.0231	Cylinder	1	67	A.00.04.0001	Nylon nut M4	1
23	A.03.09.0191	Bumper	1	68	A.07.10.0071	Spacer	1
24	A.02.05.0351	Gasket	1	69	A.00.00.0551	Screw 4*38	1
25	A.00.05.0041	Ring	1	70	A.00.06.0061	Step pin	1
26	A.04.09.XXXI	Body	1	71	A.00.11.0031	Pin 2*11	2
27	A.03.10.0141	Nozzle	1	72	A.07.08.0241	Steel bar	1
28	A.05.05.0011	Seal, air	1	73	A.01.00.0032	Spring	2
29	A.05.03.0011	Upper remote housing	1	74	A.02.00.1351	O-ring 3*1.25 (red)	1
30	A.01.04.0011	Spring	1	75	A.07.06.0011	Spring holder (white)	2

### THREE-IN-ONE AIR BRAD NAILER

ITEM NO.	PART NO.	DESCRIPTION	PCS.	ITEM NO.	PART NO.	DESCRIPTION	PCS.
31	A.02.00.0041	O-ring 2.4*1.2	2	76	A.07.07.0181	Pusher	1
32	A.05.04.0021	Remote core	1	77	8.03.00.0021	Piston head set	1
33	A.05.03.0091	Remote housing	1	78	8.06.00.0751	Driver blade set	1
34	A.02.00.0221	O-ring 11*1.9	1	79	8.03.03.0231	Cylinder set	1
35	A.00.11.0051	Pin 2*16	1	80	8.05.03.0021	Trigger valve set	1
36	A.05.01.0011	Releasing blade	1	81	8.05.00.0021	Trigger set	1
37	A.05.00.0141	Trigger	1	82	A.07.00.0671	Upper mag	1
38	A.00.06.0541	Pin	1	83	A.07.01.0861	Lower mag	1
39	A.D7.11.0451	Catch guide plate	1	84	A.07.01.8715	Guide plate	1
40	A.00.11.0191	Pin 3*24	2	85	A.02.04.0371	Grip	1
41	A.02.00.0661	O-ring 37.5*3.55	1	86	A.00.05.0061	E-ring 2.5	1
42	A.10.01.XXX1	Tail cover	1	87	B.07.01.0841	Clip assembly	1
43	A.03.07.XXXX	Air plug	1				
44	A.02.04.0031	Grip	1				
45	A.OS.00.0421	spacer	1				

## THREE-IN-ONE AIR BRAD NAILER

# SPECIFICATIONS

WORKING PRESSURE	60-100PSI
AIR INLET SIZE	1/4" NPT
COMPATIBLE FASTENERS	T50 Brad - 18 Gauge 19-50mm F50 Finishing - 16/18 Gauge 10-50mm 9040 Narrow Crown Staples - 18 Ga. 10-40mm
NAIL CAPACITY	100 pcs.
PRODUCT DIMENSION (L X W X H)	250 x 60 x 250mm
PRODUCT WEIGHT	1.2kg
NOTE	Fasteners are standard and can be purchased at hardware stores

## THREE-IN-ONE AIR BRAD NAILER



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>▪ Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.</li> <li>▪ Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.</li> <li>▪ Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.</li> <li>▪ Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.</li> </ul> | <ul style="list-style-type: none"> <li>▪ The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.</li> <li>▪ This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.</li> <li>▪ If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.</li> </ul> |
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