



User Manual

ORIGINAL INSTRUCTIONS (ENGLISH)

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Chapter 1: Overview

General Information

The user's manual given by the manufacturer contains necessary information about the machine. Each machine operator should read these instructions carefully, and the machine should be operated after fully understanding them. Safe and efficient use of the machine for long term depends on understanding and following the instructions contained in this manual.

The pneumatic punching machine uses die-sets to perforate various profiles. Each die performs a different operation, the dies are all numbered.

Stoppers are installed when necessary to set desired lengths.

The machine has been tested for performance and safety requirements.

Shoham Machinery Ltd. offers technical assistance for customers who may need some guidance for tooling adjustments or malfunctions. Support can be obtained by calling the number listed below or emailing us.

Technical Specifications

Perforation force: 2500 / 5000 Kg

Air supply needed: 8 Bars

Dimensions: XXX

Weight: XX Kg

Sound pressure level: 85 dB(A)

Standard layout includes all die sets, guards to prevent pinch points (front & back) and a hand lever / foot pedal.

Chapter 2: Getting Started

Machine Requirements

All machines are designed to be placed on a flat surface (see Installation chapter). The machine must have a sufficient working area to accept various profile sizes.

Note the air line tubes should not obstruct movement of workers or bystanders.

To insure the long term durability of machines, we highly recommend using a Filter-Regulator.

A complete Air-Line Service Unit can be purchased at Shoham with the following combination of:

- Particulate / moisture separation air filter
- Water trap
- Adjustable pressure regulator with a locking knob
- Integral pressure gauge in a range of 0 – 160 psi
- Air blow gun



Operator Requirements

The operator needs to be equipped with the following items to prevent risks of ejected objects and any safety hazard:

Protective Gloves	Protective Glasses
Hearing Protection	Working Shoes

Reminder marked on the machine:



Machine Transportation

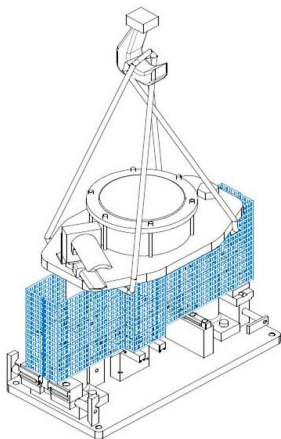
The machine can be transported in one of the following ways:

Option 1: Wrap two lifting straps (with minimum capacity of 150 kg each) underneath the upper plate of the machine, lift the straps by a forklift or crane.

Option 2: Use Shoham lifting device to grip the cylinder of the machine, lift the device by a forklift or crane (the device can be purchased separately).

After lifting, place the machine on a workbench or table (see Installation chapter).

Option 1



Option 2



**Reminder
marked on
the machine**



Installation

No special adjustments or assembly are needed, the unit is set to be used immediately. In case stoppers are supplied, install them at the desired locations.

Attach the machine to a workbench:

- If using Shoham's special steel workbench (with top), the machine does not need to be connected to the bench by bolts; with an easy finger touch the pneumatic machine rotates on a pivot which allows to manually swivel the press in 360 degrees (enabling full access from any position).





- If using another solid workbench or table the machine must be connected to the base plate by 4 screws (bolted).

Servicing and Maintenance

Clean the machine at the end of the day and check that all bolts and fittings are tight.

When not using the machine for a long period of time oil-spray the dies and base plate with a rust preventing lubricant. We recommend using Shoham's high quality, environment friendly, cutting oil spray for the die-sets, to prolong knives durability.

If die-sets are worn-out, the relevant parts should be replaced.



Storage

The machine needs to be placed in a closed and dry area.

The machine needs to be lubricated (sprayed) at least once a month by Anti-Rust spray.

Required Space

The operator needs to have at least 50 cm (19.6") of cleared perimeter around the machine while operating and maintaining.

Guards:

The machine can be compiled by various types of guards:

1. Fixed - securely held in place by means of fasteners making removal impossible without using tools.
2. Movable guards - to be removed only when a specific operation is needed and immediately returned. Reminder marked on the machine "Return Guard After Use".
3. Self Closing Guards - automatically returns by means of gravity or a spring.

Chapter 3: Operating Instructions

Operational Stages

Initial Test:

1. Check that all bolts and fittings are tight, and that the guards are in place.
2. Connect the hand lever / foot pedal to the main air line.
3. Press the hand lever / foot pedal slowly and check whether the movement is smooth.
4. Insert each profile and make sure it hits the stopper (if placed) correctly.

Foot Pedal



Hand Lever



Daily Operation:

1. Adjust the stoppers if needed.
2. Operate the machine with the hand lever / foot pedal.
3. After each operation, make sure that any burr isn't blocking the die set. In any case of burr blockage, use an air gun to blow the remaining out.
4. Once every 10 punches, oil the knives using Shoham's provided spray can.

End of Operation:

1. Disconnect the machine from the main air line. Press the hand lever / foot pedal for several times to release all air pressure from the system.
2. Clean the die sets using an air pressure gun.

Changing parts - in case of damage:

If a part of the machine needs to be disassembled for any reason, contact the manufacturer to receive information on how to dismantle the guards and dies. Do not dismantle without any formal instruction.

Chapter 4: Safety and Precautions

The owner of the machine is responsible for meeting all the requirements described in this manual, only a trained operator who is familiar with the machine and read the manual can operate it.



Never use the machine without guards.
Reminder marked on the machine
"DANGER DO NOT OPERATE
WITHOUT GAURDS IN PLACE".



Do not place any body parts in pinch points
areas; risk of injury. Reminder marked on the
machine "PINCH POINTS KEEP HANDS CLEAR".



Only for the intended application



Only in perfect safe working environment



Improper usage could poses risks of injuries to the operator, and might
damage sub-units and materials



Never wear clothing or jewelry that are loose or can potentially hang
into the machine and get caught; risk of injury.

The machine has been constructed, and is being operated in line with
various CE regulations and directives.

***Shoham Machinery Ltd. cannot be held liable if the above is
not strictly observed and adhered to!***