



**PP 110
PUNCH PRESS (PNEUMATIC)**

USER'S MANUAL



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1. GENERAL INFORMATION

1.1. INTRODUCTION

The user's manual given by the manufacturer contains necessary information about the machine parts. 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 technical drawings and details contained in this manual constitute a guide for the operator.

1.2. DISTRIBUTOR

ATech Machine, Inc.
10752-A Tucker Street – Beltsville, MD 20705 - USA
Phone: +1-301-595-1816 Fax: +1-301-560-6627
Website: www.ATechMachinery.com E-mail: info@ATechMachinery.com

In case of any technical problem please contact your nearest ATECH dealer, or ATECH head office through the above mentioned phone, fax or e-mail address.

Technical labels with the model description of the machine are fixed onto the front side of each machine.

The machine's serial number and manufacturing year are stipulated on the technical label.

2. MACHINE'S DESCRIPTION AND PURPOSE OF USE

2.1. MACHINE'S DESCRIPTION

Press with pneumatic system designed to open holes, channels etc. on vinyl and aluminum profiles with custom made molds.

- 4 molds can be connected at the same time
- Molds can be changed quickly and easily
- Working with pneumatic system
- Profile support system (optional)
- It is possible to process also PVC profiles




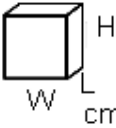

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

Profile supporting

2.2. TECHNICAL FEATURES

TECHNICAL FEATURES	 	 BAR AIR CONS.		 W L H cm	 Kg	
		BAR	AIR CONS.		W	L
PP 110	3000 Kgf 30,000 N	6-8 Bar 90-120 PSI	35 Lt/dak	30x50x58 76"X20"X23"	90	- 198 LBS

2.3 DIMENSIONS



2.4 GENERAL VIEWS



FIGURE 1

FIGURE 2

NO	STOCK CODE	QTY
1	2TU012210-0501	1
2	1PN020000-0121	1
3	2TU011110-0891	8
4	2TU011110-0890	4
5	1PL020000-0001	1
6	1PN010000-0032	1
7	MOLDS	-

Mold connection



FIGURE 3



3. SAFETY

3.1. SAFETY INFORMATION

The symbols shown hereunder are necessary to be read with special attention. Not reading or observing of them may cause damage to the equipment or personal injury.

IMPORTANT

The IMPORTANT symbol above is one telling to apply special care and to be careful at carrying out the specified operation

CAUTION!

The CAUTION! Symbol above warns you against specific dangers, and requires to read the text. Not observing may cause damage to the equipment..



DANGER WARNING

The above symbol DANGER WARNING, warns you against specific dangers, and you have definitely to read them. Negligence may cause damage to the equipment and bodily injury.

Read the user's manual carefully before using the machine or carrying out maintenance works.

3.2. ACCIDENT PREVENTION

3.2.1. Our machines are manufactured in accordance with CE safety directives, which cover national and international safety directives.

3.2.2. It is the task of the employer to warn his staff against accident risks, to train them on prevention of accidents, to provide for necessary safety equipment and devices for the operator's safety.

3.2.3. Before starting to work with the machine, the operator should check the features of the machine learn all details of the machine's operation.

3.2.4. Machine should be operated only by staff members, who have read and understood the contents of this manual.

3.2.5. All directives, recommendations and general safety rules contained in this manual have to be observed fully. The machine cannot be operated in any way for purposes other than those described herein.

Otherwise, the manufacturer shall not be deemed responsible for any damages or injuries. And such circumstances would lead to the termination of the warranty.

3.3. GENERAL SAFETY INFORMATION

3.3.1. The power cable should be led in such a way that nobody can step on it or nothing can be placed on it. Special care has to be taken regarding the inlet and outlet sockets.



3.3.2. If the power cable should be damaged during operation, don't touch and unplug it. Never use damaged power cables.

3.3.3. Don't overload machines for drilling and cutting. Your machine will operate more safely with power supply in accordance with the stipulated values.

3.3.4. Don't place your hands between parts in motion.



3.3.5. Use protective eye glasses and ear plugs. Don't wear oversize clothes and jewels. These can be caught by moving parts.



3.3.6. Keep your working place always clean, dry and tidy for accident prevention and safe operation.

3.3.7. Use correct illumination for the safety of the operator. (ISO 8995-89 Standard The lighting of indoor work system)

3.3.8. Don't leave anything on the machine.

3.3.9. Don't use any materials other than those recommended by the manufacturer for cutting operations on the machine.

3.3.10. Ensure that the work piece is clamped appropriately by the machine's clamp or vice.

3.3.11. Ensure safe working position, always keep your balance.



3.3.12. Keep your machine always clean for safe operation. Follow the instructions at maintenance and replacement of accessories. Check the plug and cable regularly. If damaged, let it replace by a qualified electrician. Keep handles and grips free of any oil and grease.

3.3.13. Unplug first, before conducting and maintenance works.



3.3.14. Ensure that any keys or adjustment tools have been removed before operating the machine.

3.3.15. If you are required to operate the machine outside, use only appropriate extension cables.

3.3.16. Repairs should be carried out by qualified technicians only. Otherwise, accidents may occur.

3.3.17. Before starting a new operation, check the appropriate function of protective devices and tools, ensure that they work properly. All conditions have to be fulfilled in order to ensure proper operation of your machine. Damaged protective parts and equipment have to be replaced or repaired properly (by the manufacturer or dealer).

3.3.18. Don't use machines with improper functioning buttons and switches.

3.3.19. Don't keep flammable, combustive liquids and materials next to the machine and electric connections.



4. MACHINE SAFETY INFORMATION

4.1. Lifting, installation, electric, pneumatic maintenance of the machine should be carried out by qualified personnel only.

4.2. Routine maintenance and scheduled maintenance should be carried out by qualified personnel after unplugging the machine and disconnecting the air supply first.

4.3. Ensure that the machine has been cleaned, tested and maintained before starting to operate.

4.4. Routinely control parts performing the cutting process. Please be acquainted with worn-out cutting parts or replace them.

4.5. Never replace the moulds before unplugging first.

4.6. Keep foreign materials away from the working area of the machine, keep away from the machine's moving parts.

IMPORTANT

The safety data have been defined above. In order to prevent physical damage or damage to the equipment, please read the safety information carefully and keep the manual always in an easy accessible place.



5. OPERATION

5.1 AIR CONNECTION INSTALLATION

5.1.1 Connect hose entries as shown on Photo 2. (blue is above, grey is below)

5.1.2 Control the pressure of air pressure system. Please adjust air pressure between 7-8 Bar (90-120 psi).

5.2 MOLD CONNECTION

5.2.1 Before connection of molds control cutting bits, be sure of working test completing.

5.2.2 Do not put your hands between moving parts during moulds connection and working process.

5.2.3 It is possible to connect 4 molds at once (Photo 3). As well as it is possible to work with one mold.

5.2.4 Molds can be attached to the machine easily. To attach mold, unscrew the nut on part # 3 shown at Photo 1. Insert the mold between two parts as shown on Photo 3 and move forward. As mold sets against to the part # 4 shown at Photo 1 fix the mold screwing again the parts # 3 shown at Photo 1.

5.2.5 Plate connected to the mold is the rotating plate (Photo 1 - # 3). To provide plate rotating press down on the part # 5 shown at Photo 1 towards the arrow. Plate will be released. You can then rotate the plate to the desired direction.

5.2.6 Mold that is in process should be every time in the front. As mentioned above to start working plate should be turned and plate should be in the front.