



## **User Manual**

### **ORIGINAL INSTRUCTIONS**

**Authorized Dealer, Canada:**

**AluMen Ltd. / Mr. Phil Gussakovsky**

**Model / Serial Number: Alumicor AL-601 for series  
2200 & 2500 & 2600**

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**Year of fabrication: \_\_\_\_\_**

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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, and the dies are all numbered (see drawings on page 9).

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:** 5000 Kg

**Air supply needed:** 8 Bars

**Dimensions:** Width 600 mm, Depth 280 mm, Height 540 mm

**Weight:** 100 Kg

**Sound pressure level:** 85 dB(A)

Standard layout includes all die sets, fixed 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.

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 safety hazards:

Protective Gloves	Protective Glasses
Hearing Protection	Working Shoes

Reminder marked on the machine:



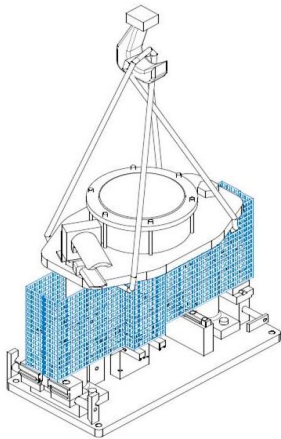
## **Machine Transportation**

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

1. Wrap two lifting straps underneath the upper plate of the machine, and lift the straps by a forklift or crane.
2. Use Shoham lifting device to grip the cylinder of the machine and lift it by a forklift or crane (the device can be purchased separately).

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

**Option 1**



**Option 2**



A general reminder is marked on the machine



- Machine transportation applies for machines over 70 kg

## **Installation**

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

Attach the machine to a workbench:

- If using Shoham's special steel workbench, 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 the machine must be connected to the base plate by 4 screws.

## **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.



## **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 burr does not block the die set.
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.

## 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 that are intended to prevent hands from entering into the punching zone. If parts of the machine, or the guards, need to be disassembled for any reason, make sure that the air line is disconnected beforehand. 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!***



## Chapter 5: Declaration of Conformity

### Declaration of Conformity – Original

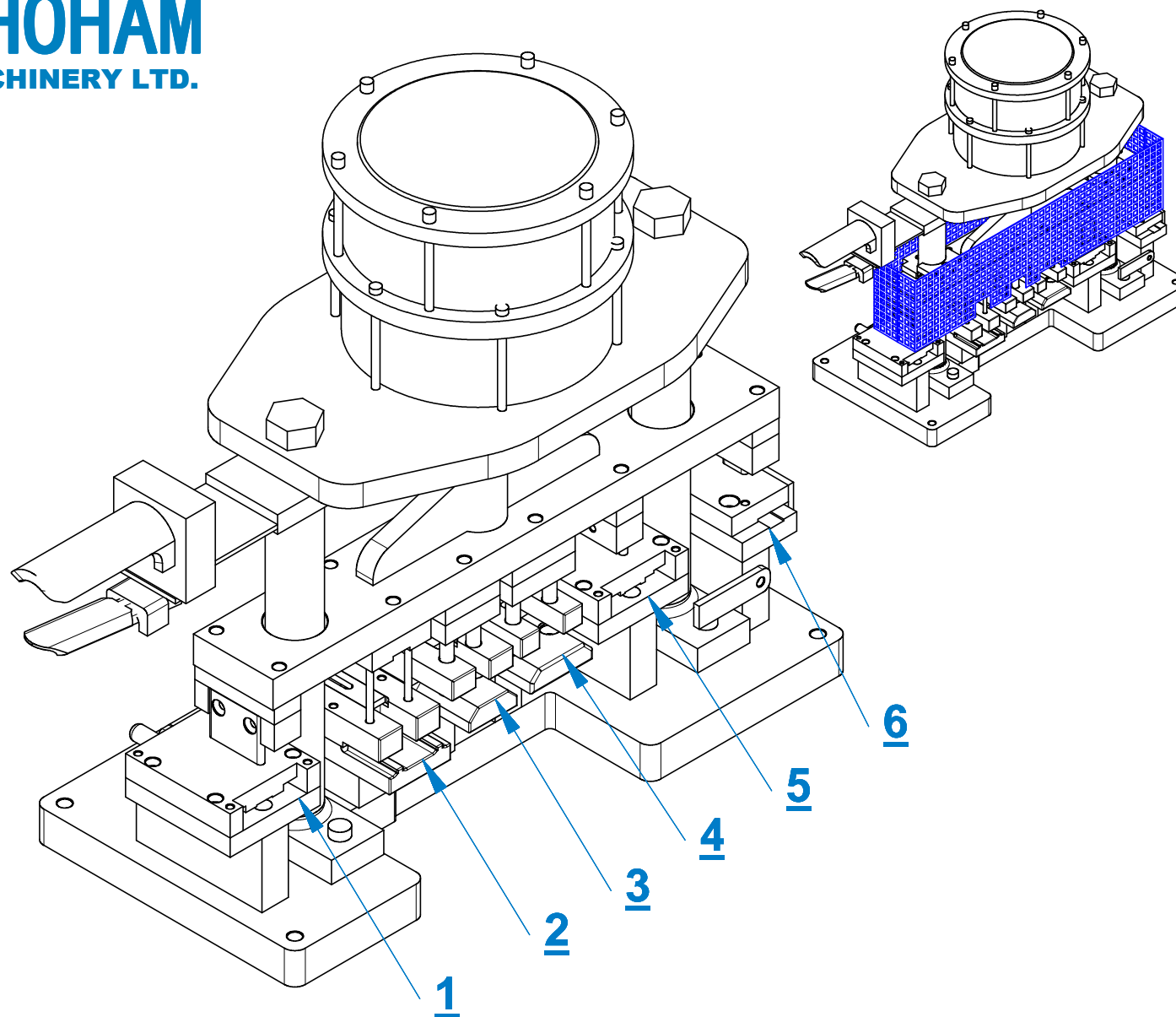


The Manufacturer:	SHOHAM MACHINERY LTD.  Address: Hakishor 10 st. , Holon 5886703, Israel Tel: + 972-3-6797600 , Fax: +972-3-6830213
Date of Issue:	
Product Description:	
Model:	Alumicor AL-601 for series 2200 & 2500 & 2600
Serial Number:	
Declaration:	The Pneumatic Punching Machine fulfils all the relevant provisions of the directive 2006/42/CE.

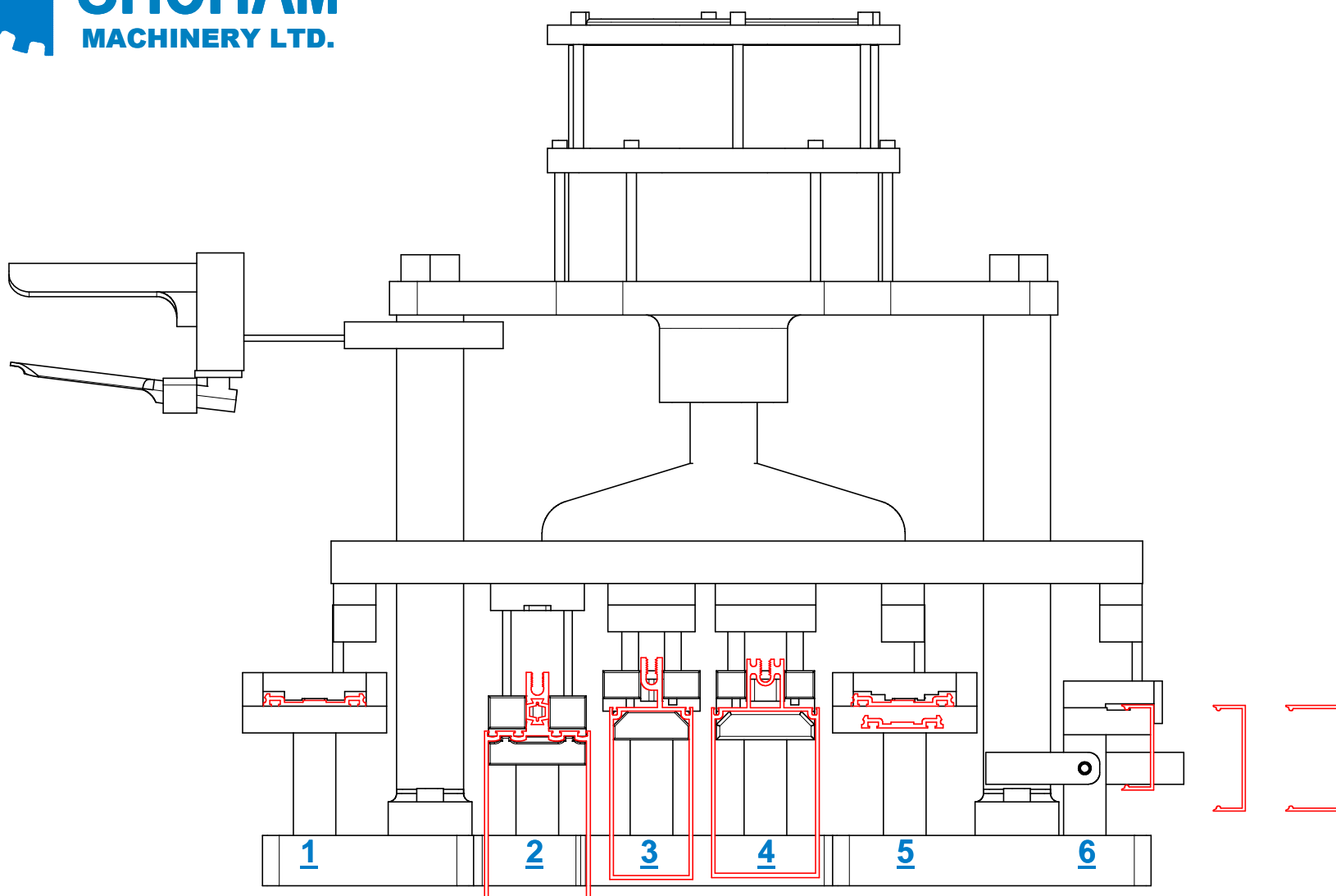
Name	Title	Place signed	Date signed	Signature
Asher Schussheim	CEO	Holon, Israel		



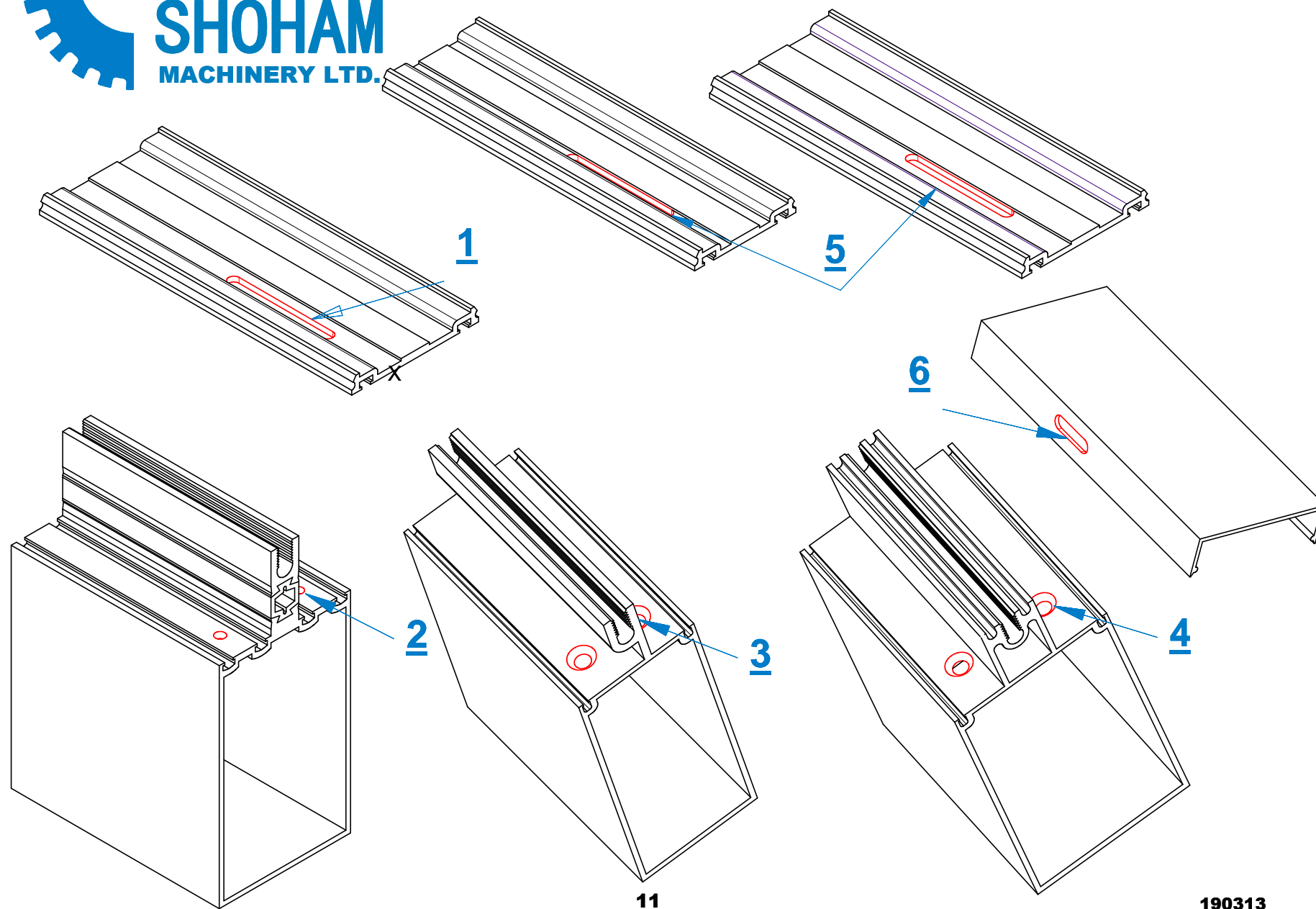
# Pneumatic press Model Alumicor AL-601 for series 2200&2500&2600



# Model Alumicor AL-601 for series 2200&2500&2600

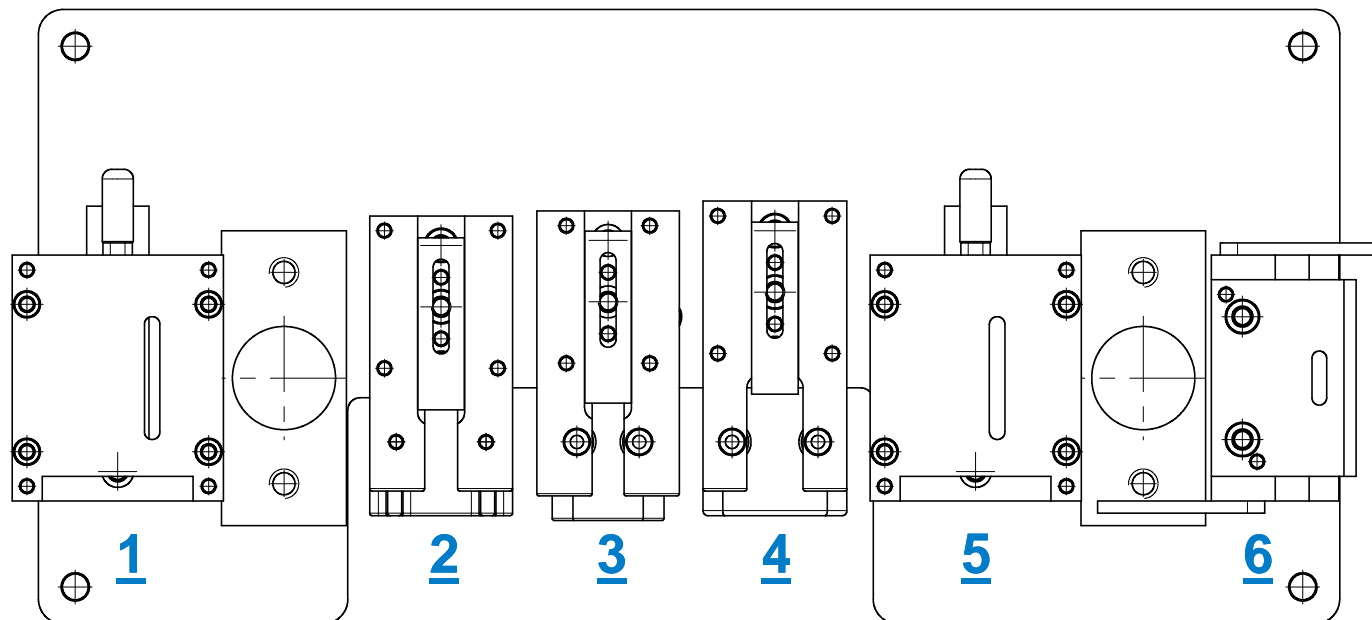


# Model Alumicor AL-601 for series 2200&2500&2600



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## Model Alumicor AL-601 for series 2200&2500&2600



STATION	SERIAL	DESCRIPTION
1	AL601-1	Alumicor Pressure Plate drainage slot 6.35x50mm for 2500 series
2	AL601-2	Alumicor Mullion end-punch without csk for 2600 series
3	AL601-3	Alumicor Mullion end-punch including csk for 2200 series
4	AL601-4	Alumicor Mullion end-punch including csk for 2500 series
5	AL601-5	Alumicor Pressure Plate drainage slot 6.35x50mm for 2200&2600 series
6	AL601-6	Alumicor Cap drainage slot 6x22mm for 2200&2500 series