MICROTEC

VECTOR QUICK GUIDE

V1620-APL2-D

VECTOR 16×20 Dual Station Pneumatic Heat Press with Stand & Laser

One picture per step. Scan a QR code or tap “Watch” to see that exact step in our video.



! Safety first



The heat plate gets very hot

Up to 446°F. Never touch it. Keep children and pets away.



The press closes by itself

Air power pushes the plate down hard. Keep hands and arms out from under it. Start it only with both green buttons.



Watch the sliding head

The heat head slides left and right between the two stations. Keep the path clear.



Use a grounded 120V outlet

3-prong outlet only. Do not use an extension cord.



Air pressure 0.4–0.6 MPa

Turn off the press and the compressor before you connect or disconnect the air hose.

Indoors, dry, airy room

Level floor. Away from water and anything that can burn.

Emergency? Press the big red **EMERGENCY STOP** button on the front. Everything stops and the heat plate lifts. Then turn off the power switch.

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1 Unbox

Watch 0:28



1. Remove the top panel of the crate

Unscrew it with a power drill.



2. Remove the side panels

Take them off one by one.



3. Unbolt the anchors

They hold the machine to the crate floor. Always move the machine safely, with enough people.

4. Keep all packaging

You will need it if the machine ever has to come back for service.

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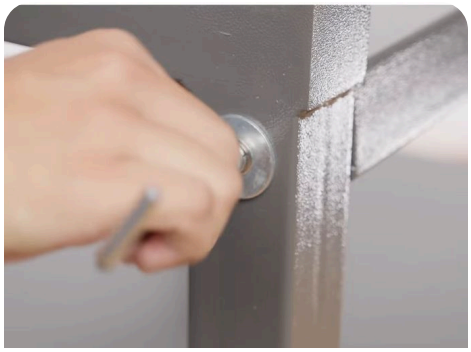
2 Set up

Watch 1:00



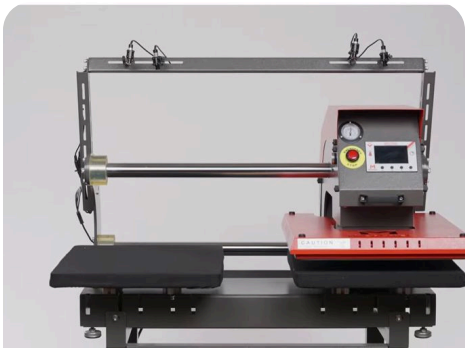
1. Build the stand

Join the side frames, cross bars and shelves.



2. Tighten every stand bolt

Then turn the feet so the stand sits level.



3. Set the press on the stand

Lift the press onto the finished stand and line it up. It is very heavy — use enough people. The lasers are already connected at the factory.



4. Connect the air hose

Press and compressor OFF. Pull back the sleeve on the compressor hose coupler, push in the press's air plug until it clicks.



5. Turn on the compressor and set the pressure

Pull up the regulator knob. Clockwise ↻ = more. Set 0.4–0.6 MPa on the gauge, then push the knob back down. Listen for hissing — if air leaks, turn off and reconnect firmly.



6. Plug into the wall outlet

Grounded 120V outlet. No extension cord.



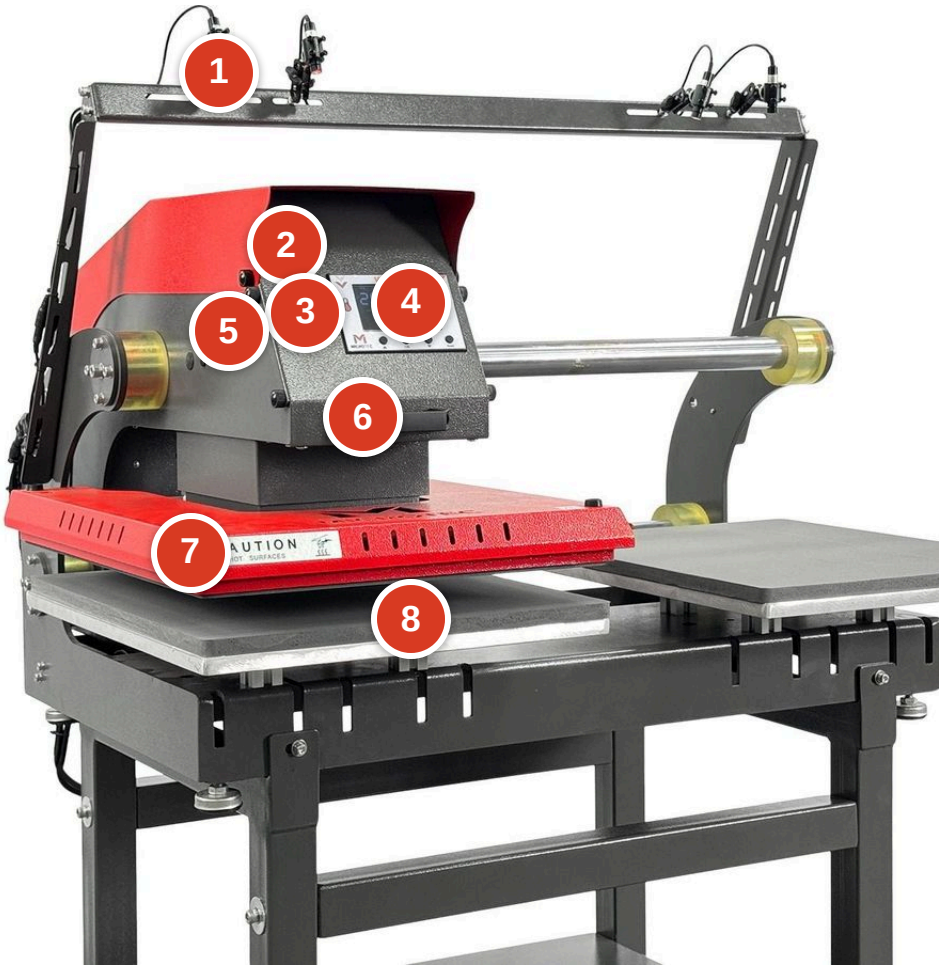
7. Turn on the power switch

Red rocker switch on the back of the press. The screen lights up.

⚠ The two speed knobs on the right side (upward / downward speed) are set at the factory. Do not change them.

3 Know your machine

Watch 2:48



1 Laser lights
Show a cross on the lower platen to line up your design.

2 Pressure gauge
Shows the air pressure.

3 EMERGENCY STOP
Press to stop everything and lift the plate.

4 Control panel
Set temperature and time.

5 Green start buttons
One on each side. Press both at the same time to press.

6 Move handle
Slide the heat head left or right to the other station.

7 Heat plate (HOT)
Do not touch.

8 Lower platens (2 stations)
Load one while the other is pressing.

9 **Power switch, circuit breaker, air regulator (back)**
On the back of the press. Regulator: Clockwise ↻ = more pressure, counter-clockwise ↺ = less.

Laser lights: loosen the 2 screws on the bracket, slide the lasers until the cross is centered on the lower platen, then tighten. Turn the laser heads so the two lines cross at a right angle.

4 Control panel (GY-06)



1 **Top row (PV)**
Left: real temperature now. Right: time counting down.

2 **Bottom row (SV)**
Left: the temperature you set. Right: the time you set.

3 **COUNTER**
How many presses you have done (0–999).

4 ▲ ▼
Change the number.

5 OK
Go to the next setting / confirm.

6 RESET
Hold 5 sec to clear the counter.

Set temperature and time



1. Press OK — °F or °C

Press ▲ or ▼ to choose. Press OK.



2. Set the temperature

Press ▲ or ▼. Press OK.



3. Set the time

Press ▲ or ▼. Press OK.



4. Wait for the beep

Your settings show on the bottom row. The beep means it is hot enough.

This press has **one timer** (no Prepress). Each press of the start buttons runs the full time.

Quick reference

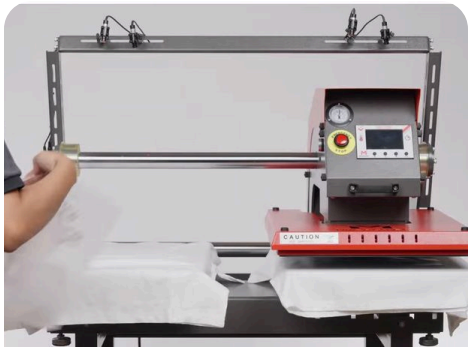
I WANT TO…	DO THIS
Change temperature or time	OK → ▲ ▼ → OK
Switch between °F and °C	First OK screen → ▲ ▼
Clear the counter	Hold RESET 5 sec

Ranges: temperature 32–446°F · time 0–999 sec.

5 Your first press

Watch 3:20







1. Air on, power on, set temperature and time

MicroTec DTF film: 300°F, 6 seconds. Other transfers: use their settings. Wait until it reaches the set temperature and beeps.

2. Lay the shirt flat and place the transfer

On the empty lower platen. Use the laser cross to line it up.

3. Slide the head over that station

Use the move handle.



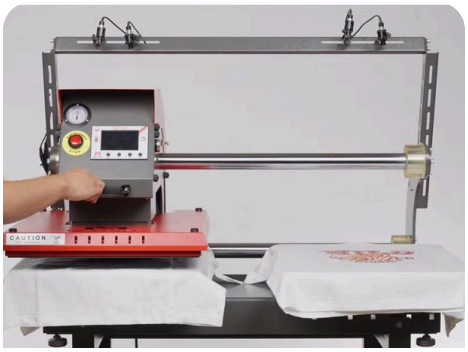
4. Press both green buttons together

The plate presses down by itself and the timer starts.



5. Load the other station while you wait

Lay the next shirt and transfer on the other lower platen.



6. At 0 the plate lifts — slide to the other station

Press both green buttons again.



7. Peel the finished shirt and take it off

MicroTec DTF film: hot peel — peel right away while hot. Other transfers: follow their instructions. Load a new shirt and repeat.

6 Daily care





1. Drain water from the air filter

Water collects in the clear cup under the gauge. Press the button at the bottom to let it out.

2. Check the air pressure

The gauge should read 0.4–0.6 MPa while you work.

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7 If something is wrong

Won't press down

1. Is the compressor on? Check the gauge reads 0.4–0.6 MPa.
2. Press both green buttons at the same time.
3. Was the emergency stop pressed? Release it first.

Watch the fix · 1:16

Hissing / air leak

1. Turn off the compressor.
2. Reconnect the air plug firmly until it clicks.

Won't turn on

1. Check the plug and the wall outlet.
2. Turn the power switch on.
3. Check the circuit breaker on the back of the press.

Watch the fix · 1:49

Temperature jumps around

1. Turn off and unplug.
2. Follow the cable check in the video.

Watch the fix · 1:49

Uneven heat or cold spots

1. Some areas don't stick? Run this check.

Watch the fix · 1:49

DTF transfer peels or won't stick

1. Check temperature, time and pressure against your transfer's instructions.

Watch the fix · 1:52

Specifications

	V1620-APL2-D
Plate size	15.7″ × 19.7″
Power	120V · 1700W · 14.2A
Temperature	32–446°F
Timer	0–999 s
Air pressure	0.4–0.6 MPa
Controller	GY-06

Still stuck? Call us.

Phone

(714) 261-9498

Mon–Fri · 7:30 am – 5:00 pm Pacific

Email

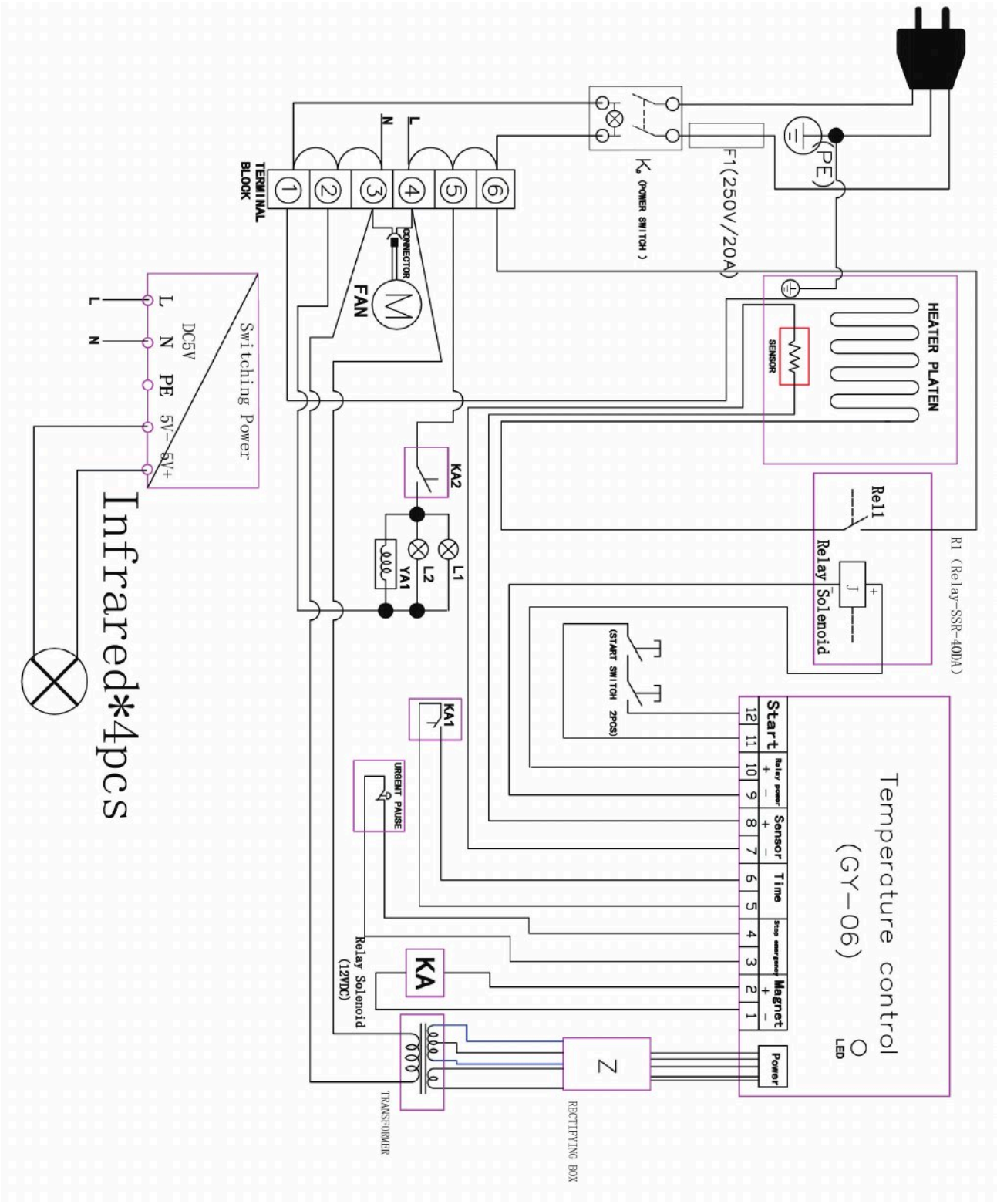
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Free lifetime tech support

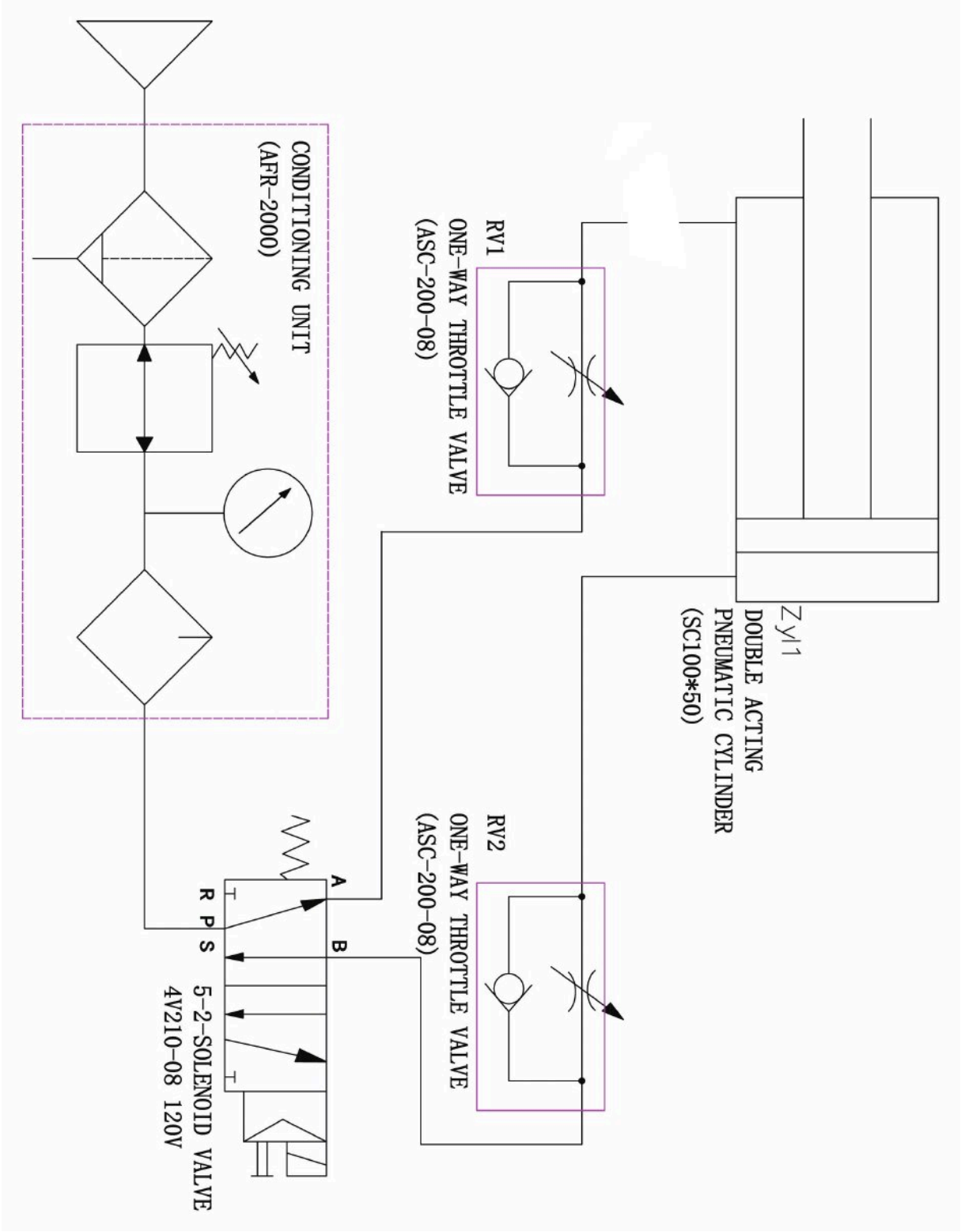
Dimensions & diagrams

For service technicians. **Unplug the machine** and **disconnect the air** before opening any cover.

Wiring diagram



Air diagram


CONDITIONING UNIT
(AFR-2000)
RV1
ONE-WAY THROTTLE VALVE
(ASC-200-08)
Zyl1
DOUBLE ACTING
PNEUMATIC CYLINDER
(SC100*50)
RV2
ONE-WAY THROTTLE VALVE
(ASC-200-08)
A
B
R
P
S
5-2-SOLENOID VALVE
4V210-08 120V