MICROTEC

TITAN QUICK GUIDE

T1620-APL2 | T1624-APL2

TITAN Dual Station Pneumatic Heat Press with 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.

Use a grounded 120V outlet
3-prong outlet only. Do not use an extension cord.

Keep hands out — it closes by air
The plate comes down with force. Press the two start buttons with both hands.

Clean, dry air: 4–6 kg/cm²
0.4–0.6 MPa (about 57–87 psi). Turn off the press and the compressor before connecting the hose.

Stay clear when the head moves
The heat plate slides sideways between the two stations. Keep hands and body out of its path.

Indoors, dry, airy room
41–104°F room. Level, heat-safe table. Away from water and anything that can burn.

Emergency? Push the big **red EMERGENCY STOP** button. If pressing, the heat plate lifts right away. If moving sideways, it stops at once. Then turn off the power switch and the compressor.

1 Unbox

Watch 0:33



1. Remove the top panel of the crate

Use a drill or screwdriver. Get help — the panels are big.



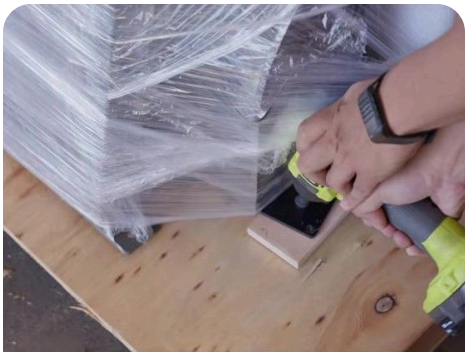
2. Lift the top panel off

Two people.



3. Remove the side panels

Lift each panel away from the machine.



4. Unbolt the anchors

Remove the bolts that hold the machine to the crate floor. Keep all packaging.

Moving it: the machine is large and heavy. Use a lift or several people, and lift by the base — never by the heat plate, lasers or control panel.

2 Set up

Watch 1:06



1. Put it on a sturdy stand

Level and heat-safe, with room on both sides for the two stations.



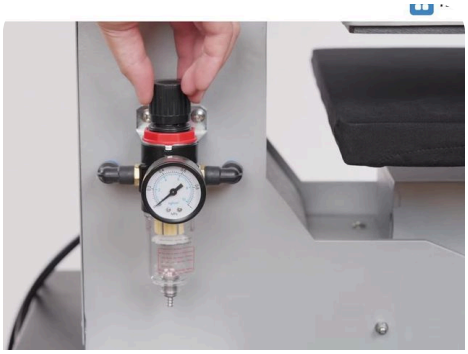
2. Connect the air hose

Press and compressor OFF. Pull back the coupler sleeve, push the air plug in until it clicks.



3. Turn on the compressor

Let it fill up.



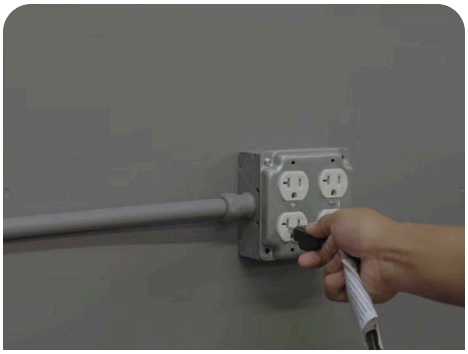
4. Set the air regulator to 4–6 kg/cm²

Turn the black knob until the gauge reads 4–6 (0.4–0.6 MPa). Clockwise ↻ = more pressure, counter-clockwise ↺ = less. If the knob won't turn, pull it up first; push it down to lock. Turn a little at a time and watch the gauge.



5. Listen for hissing

Hear air leaking? Turn off the compressor and reconnect the hose firmly.



6. Plug into a grounded 120V outlet

No extension cord.



7. Turn on the power switch

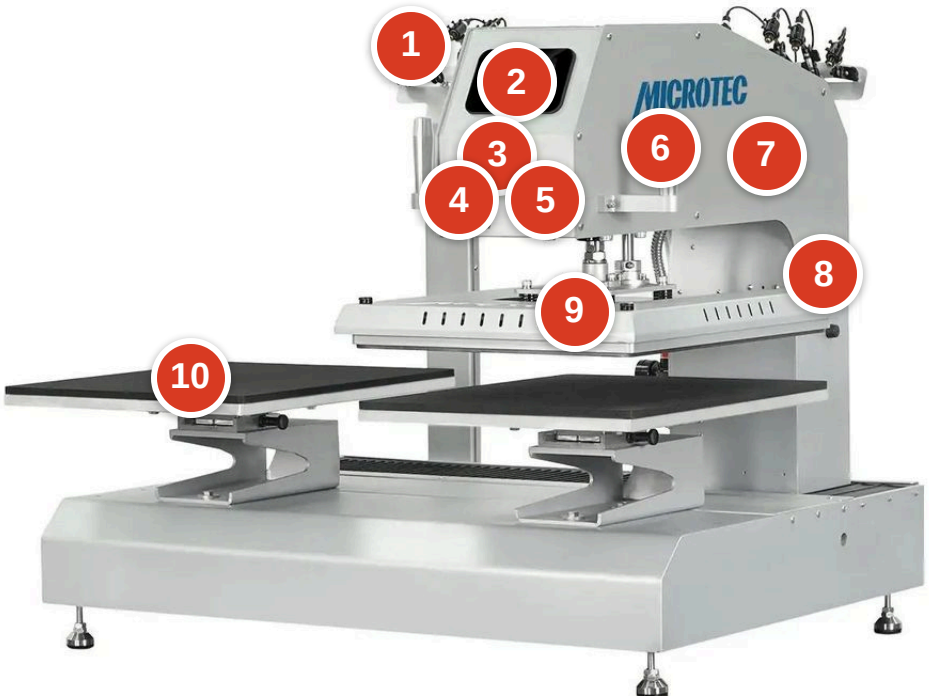
Red rocker switch on the side.

The screen lights up.

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3 Know your machine

Watch 1:48



1 Alignment lasers

Shine red lines on the lower plate to line up your design.

2 Control panel (GY-13)

Touch screen. Set temperature and time.

3 **EMERGENCY STOP**
Push to lift the plate, or stop it moving sideways.

4 **“Infrared Power” button**
Turns the lasers on / off.

5 **Station button ⇄**
With the plate fully up, tap once: it moves to the other station.

6 **Start buttons (left and right)**
Press both at the same time to bring the plate down.

7 **Speed valves (up / down)**
Set how fast the heat plate goes up and down.

8 **Power switch**
Red rocker switch. On / off.

9 **Heat plate (HOT)**
Do not touch.

10 **Two lower plates (stations)**
Load one while the other is being pressed. EasyFit plates swap for other sizes.

11 **Air regulator, air inlet, power cord (back)**
Regulator: pull up the knob, turn to 4–6 kg/cm², push down to lock. Clockwise ↻ = more pressure, counter-clockwise ↺ = less.

✓ **Auto open:** when the timer ends, the heat plate lifts by itself.

✓ **Pressure** on this press comes from the air. Change it with the air regulator. Clockwise ↻ = more pressure, counter-clockwise ↺ = less.

4 Control panel (GY-13 touch screen)

Watch 1:30



1 **1 · 2 · 3 · Saved settings**
Tap a number to switch to that saved setting.

2 **Temperature (yellow)**
The big number is the plate temperature.

3 **Top timer · Prepress Time**
Prepress TIME, in seconds (first countdown).

4 **Bottom timer · Press time**
Second countdown. Starts by itself when the first one ends.

5 **− Minus**
Lower the blinking number.

6 **S Set**
Step to the next setting. After the last one it saves.

7 **+ Plus**
Raise the blinking number.

Set temperature and time



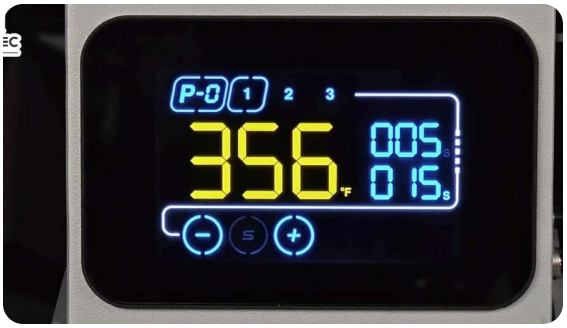
1. Tap 1, 2 or 3

Pick the saved setting you want to change.



2. Tap S — temperature

The temperature blinks. Tap + or − to change it.



3. Tap S again — Prepress

The top timer blinks. Tap + or −.



4. Tap S again — Press time

The bottom timer blinks. Tap + or −.



5. Tap S to save

Nothing blinks. The setting is saved to the number you picked.

Prepress, then Press: the top timer counts down first, then the bottom timer starts by itself. Only need one press? Set the top timer (Prepress) to **0**.

Settings save automatically to the number (1, 2 or 3) that is selected.

Quick reference

I WANT TO…	DO THIS
Switch between my 3 saved settings	Tap [1] [2] or [3] on the screen
Change temperature	[S] → [+] [−] → [S] [S] [S]
Change Prepress time	[S] [S] → [+] [−] → [S] [S]
Change Press time	[S] [S] [S] → [+] [−] → [S]
Only one press per shirt	Set Prepress (top timer) to 0

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

5 Your first press

Watch 2:39



1. Set temperature and time, then wait

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



2. Turn on the lasers

Tap the “Infrared Power” button.



3. Lay the shirt on the free station

The station that is NOT under the heat plate. Smooth it flat.



4. Place your transfer, using the laser lines

Line the design up with the red lines.



5. Tap the station button ⇄

The heat plate moves over to your shirt. Stand clear while it moves.



6. Press both start buttons together

The heat plate comes down and the countdown starts.



7. It opens by itself

At 0 the heat plate lifts up. Meanwhile, load the other station.



8. Peel the transfer

MicroTec DTF film: hot peel — peel right away while hot. Other transfers: follow their instructions.

⚠ If Prepress is not 0, the two timers run one after the other: Prepress first, then Press. Set Prepress to 0 for one single press.

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6 If something is wrong

⚠ Plate won't come down

1. Press BOTH start buttons at the same time.
2. Check the compressor is on and the gauge shows 4–6 kg/cm².
3. Emergency stop pressed? Reset (release) it.

⚠ Won't move to the other station

1. Wait until the heat plate is fully up, then tap ⇄ once.
2. Emergency stop pressed? Reset it — the plate then finishes its move.

⚠ Air hissing / leaking

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

⚠ Won't turn on

1. Check the plug and the wall outlet.
2. Turn the power switch on.
3. Fuse popped out? Push it back in once the problem is fixed.

Temperature jumps around

1. Turn off and unplug.
2. Check the yellow sensor plug is pushed in tight.

Watch the fix · 1:49

Too hot / keeps heating

1. Turn off and unplug.
2. Watch the fix video, then call us.

Watch the fix

Screen temperature doesn't match the plate

1. Measure the plate with a surface thermometer.
2. Follow the video to set the temperature offset.

Watch the fix

DTF transfer peels or won't stick

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

Watch the fix · 1:52

Specifications

	T1620-APL2	T1624-APL2
Plate size	15.7″ × 19.6″	15.7″ × 23.6″
Power	120V · 1700W · 14.2A · 60Hz	120V · 1700W · 14.2A · 60Hz
Air supply	4–6 kg/cm² (0.4–0.6 MPa)	4–6 kg/cm² (0.4–0.6 MPa)
Temperature	32–446°F	0–446°F
Timer	0–999 s	0–999 s
Controller	GY-13	GY-13

Still stuck? Call us.

Phone

(714) 261-9498

Mon–Fri · 7:30 am – 5:00 pm Pacific

Email

sales@microtecusa.com

Free lifetime tech support

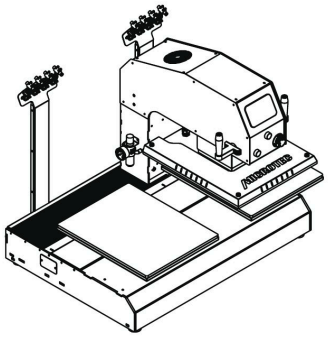
Dimensions & diagrams

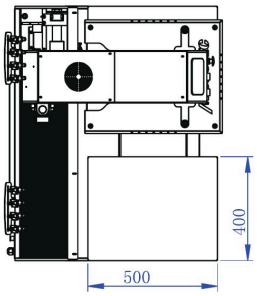
For service technicians. **Unplug the machine** before opening any cover.

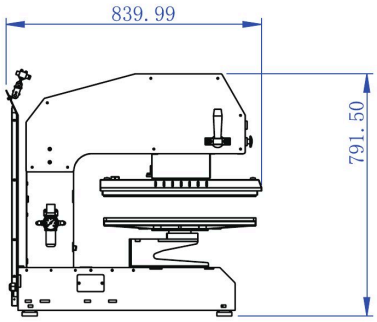
Dimensions (mm)

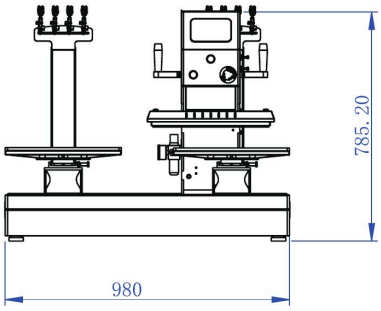
2.6 Equipment external dimensions

2.6.1 The following dimension diagrams are for model: T1620-APL2

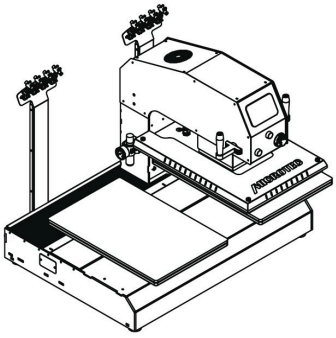


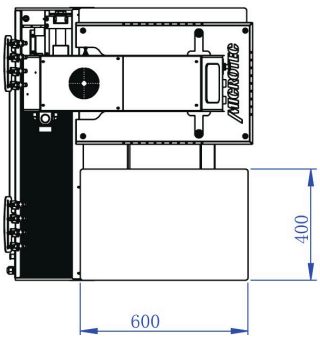


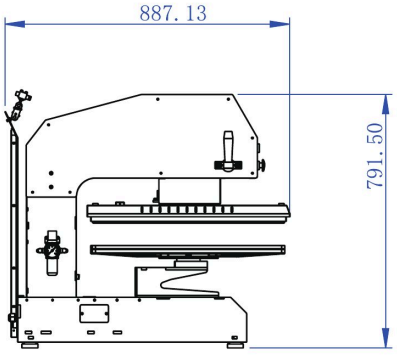


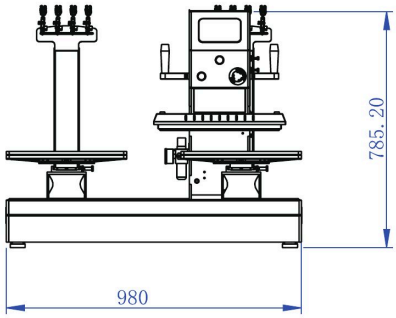


2.6.2 The following dimension diagrams are for model: T1624-APL2









Wiring diagram

