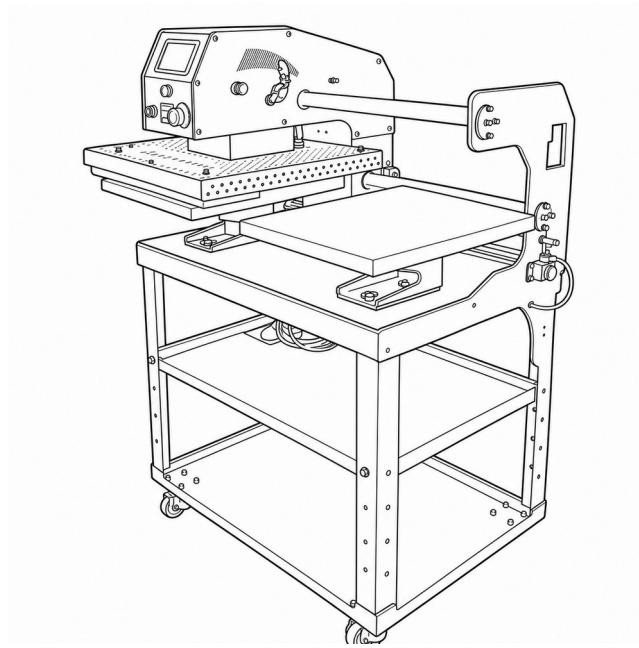


B E I N S E N

Trinidad

Automatic pneumatic dual-plate press with sensor



User Manual
and Safety Instructions

Empowering Your Personalization Needs.

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Page numbers are indicative and may vary slightly depending on the specific length of the sections for this model.

01

Introduction and Equipment Description

The Beinsen Trinidad is an automatic pneumatic dual-plate 40 × 50 cm press with integrated hand-detection sensor for active safety. Features GY-13 touch screen with 3 memory slots, 2 positioning lasers (one per plate), table with 4 universal wheels included and safety lock. Designed for industrial professional production with high cadence and maximum operator safety guarantees. Requires external compressor (not included).

Applications

Industrial production of sublimation, DTF, HTV vinyl and transfer on T-shirts, sweatshirts, cushions, tote bags and flat substrates up to 32 mm thick. Suitable for factories, industrial printers and workshops with continuous flow where operator safety is critical.

Main components

- Upper heating plate 40 × 50 cm
- Dual lower plates 40 × 50 cm
- Automatic pneumatic system (compressor not included)
- Table with 4 universal wheels (included)
- 2 positioning lasers (one per plate)
- Integrated hand-detection sensor
- GY-13 touch screen with 3 memory slots
- Safety lock
- Reinforced industrial Beinsen orange frame

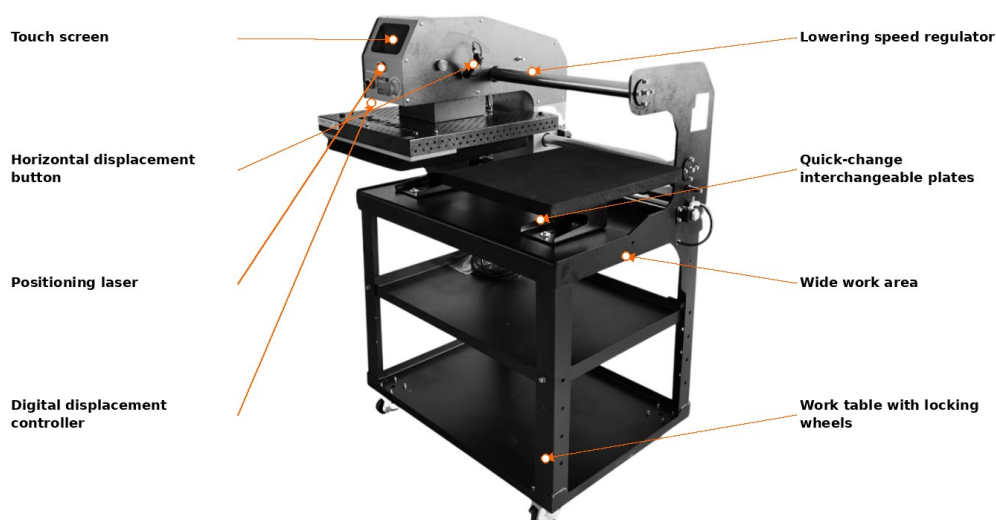


Fig. 1 · Main components of the Beinsen Trinidad.

02

Technical Specifications

Model	Trinidad
Press Type	Pneumatic · workstation
Compressor	Not included
Operating Mode	Automatic, manual
Opening mode	Automatic
Closing mode	Automatic
Maximum customisable thickness	32 mm
Display Model	GY-13
Touch screen	Yes
Memories	3
Timer Range	0 – 999 seg.
Number of Plates	2
Size of each plate	40 × 50 cm
Interchangeable Plates	No
Support	Table with 4 universal wheels (included)
Positioning Laser	2 (one next to each plate)
Hand-detection sensor	Yes (integrated)
Safety lock	Yes
Power	1.800 W
Maximum Temperature	225 °C
Voltage	220 V
Net Weight	180 kg
Gross Weight	301 kg
Package Size	102 × 115 × 150 cm

Technical specifications may vary slightly depending on the manufacturing batch configuration. Refer to the equipment identification label for the exact data of your unit.

03

Critical Safety

Read all warnings carefully before operating the equipment. Failure to follow these instructions may result in serious injury, property damage or void the warranty.

Hand-detection sensor

The equipment has an integrated hand-detection sensor that stops the cycle if it detects presence in the pressing area. This system is mandatory and must never be disabled, tampered with or bypassed under any circumstances.

Risk of burns

The upper plate reaches 225 °C. Always use thermal gloves. Although the hand-detection sensor provides protection during the automatic cycle, the hot plates remain a risk in any handling.

Risk of entrapment (automatic opening and closing)

The equipment performs closing and opening automatically via the pneumatic system. Keep hands out of the upper plate's path during the cycle.

Positioning lasers

Do not look directly at the laser emitters. The lasers are low-power and serve only as a visual guide.

Wheeled table

The included wheeled table makes the equipment easier to move. Always lock the wheels during operation. Do not move the equipment with hot plates or with pieces in production.

Pneumatic and electrical installation

The equipment requires an external compressor. Connect the mains to a grounded socket. Check the air pressure before starting operation.

Stability and handling

With a net weight of 180 kg, install the equipment on level, sturdy flooring. Handling and installation require mechanical means.

04

Operation Guide

The Trinidad is an automatic pneumatic dual-plate press with integrated hand-detection sensor. Requires external compressor (not included). The GY-13 touch controller with 3 memory slots manages temperature, time and pressure.

Start-up

- 01 Connect the external compressor and verify the pneumatic line pressure.
- 02 Connect the equipment to the mains.
- 03 Turn on the main switch.
- 04 The GY-13 touch screen will show the current temperature reading.

Configuration

- 01 Touch the screen to enter the configuration menu.
- 02 Adjust the target temperature, press time and pressure level.
- 03 Select the operating mode: automatic or manual.
- 04 Save the configuration to one of the 3 memory slots if desired.
- 05 Wait until the upper plate reaches the target temperature.

Use of the positioning lasers

- 01 Activate the lasers from the screen.
- 02 The two lasers project a guide to align the substrate on each plate.
- 03 Place the substrate following the reference.

Pressing cycle with dual plates

- 01 Place the first substrate on one of the two lower plates, aligned with its laser.
- 02 Apply the transfer paper and cover with Teflon if the consumable requires it.
- 03 Position the plate under the upper plate and activate the cycle.
- 04 While this side is pressing, prepare the second substrate on the free plate.
- 05 The hand-detection sensor will pause the cycle if it detects presence in the pressing area.
- 06 When the time ends, the equipment will open automatically.
- 07 Remove the first substrate and place the next loaded plate in pressing position.

05

Maintenance and Troubleshooting

Preventive maintenance

- Before each shift, check the pneumatic line pressure and the cleanliness of both plates.
- Clean the plates while warm using a thermal glove and a microfibre cloth. Never use water or abrasive products.
- Drain condensation from the compressor and pneumatic filters periodically.
- Weekly check the correct operation of the hand-detection sensor. If you detect any anomaly, stop operation and contact Technical Service.
- Monthly inspect the integrity of hoses, fittings and pneumatic connections.
- Clean the laser emitter windows with a soft antistatic cloth.
- Inspect the table wheels: they must rotate freely and lock firmly.
- Clean the touch screen with a soft antistatic cloth.
- Annually check the temperature calibration with a contact thermometer.
- Request a full inspection of the equipment from an Official Technical Service authorised by Beinsen at least once a year.

Troubleshooting

Problem	Probable cause	Solution
The cycle is interrupted without apparent cause	Hand-detection sensor activated	Clear the pressing area. Make sure the sensor is not obstructed.
The equipment does not start the cycle	Lack of pneumatic pressure or activated safety sensor	Check the compressor pressure and make sure there are no obstacles. If it persists, contact Technical Service.
Pressure loss during the cycle	Pneumatic leak or saturated filter	Inspect hoses and fittings. Replace the filter if saturated.
The lasers do not turn on	Screen activation disabled or faulty emitter	Check the activation. If it persists, contact Technical Service.
The touch screen does not respond	Software lockup	Turn off for 30 seconds and restart. If it persists, contact Technical Service.
Slow opening or closing	Insufficient lubrication or miscalibrated regulator	Request inspection of the pneumatic system from Technical Service.

To report any issue, request a repair or purchase genuine spare parts, contact exclusively an Official Technical Service authorized by Beinsen.

06

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Warranty and technical service

To report any issue, request a repair or purchase genuine spare parts, contact exclusively an Official Technical Service authorized by Beinsen. Find the nearest technical service point through the official website.

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