

TE PARI

Taurus HD3 & HD5 Cattle Crush



Installation and Operators Manual

Taurus HD3 & HD5

CATTLE CRUSH



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Taurus HD3 & HD5 CATTLE CRUSH

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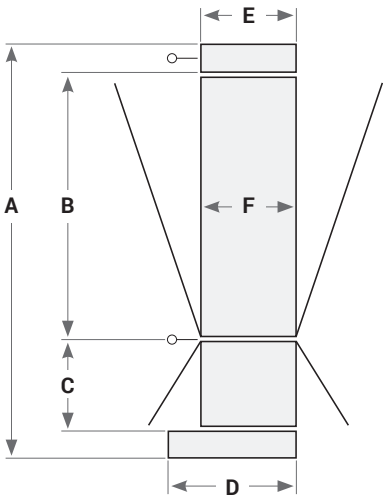
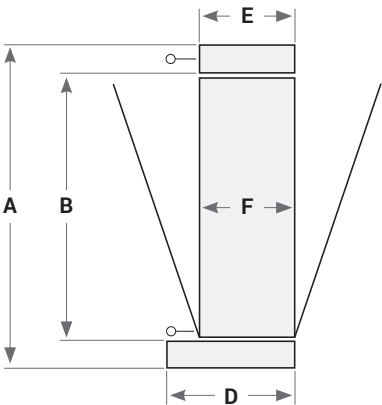
25 Features & Benefits



25 FEATURES & BENEFITS

- 1 Hot dip galvanised for long life.
- 2 Pneumatic rams have stainless steel shafts for long life and corrosion protection.
- 3 Optical sensors (European made) detect animal movements.
- 4 Wide body design draft module allows easy turning for cattle as they exit.
- 5 3 or 5 way drafting option to suit your requirements.
- 6 Neck yoke on headbail restricts up and down head movement.
- 7 Pneumatic rams drive headbail, parallel squeeze, sliding gates and drafting gates.
- 8 Manual handles allow crush operation without air supply.
- 9 Offside drafting handle can be 4th manual drafting direction.
- 10 Fast acting split sliding gate is fully sheeted to prevent animals waiting from seeing into the crush.
- 11 European made pneumatic valves for reliability.
- 12 Multifunction side gates allow safe and easy access to animal.
- 13 Simple to use push button (USA made) controls.
- 14 Double sided parallel squeeze for optimum animal restraint.
- 15 Easy access cupboard contains pressure regulator and water trap for pneumatic system.
- 16 Lockable control console to mount scale.
- 17 Polyethylene sheeted gates for noise reduction and strength.
- 18 Anti-skid rubber floor for quiet operation.
- 19 eRail EID gate reads tags on both sides of cattle.
- 20 Anti-rattle slam latches for quiet operation.
- 21 Loadbar mounts ready to fit any brand of loadbars.
- 22 Access gates for easy entry to headbail area.
- 23 Designed and manufactured in New Zealand.
- 24 Grease nipples on major pivots for long life.
- 25 Remote control operates all crush functions including drafting gates.

Dimensions

| | VET MODEL | VETLESS MODEL |
|----------------|--|--|
| |  |  |
| | Taurus HD3 | |
| | Vet | Vetless |
| A | 4300 | 3510 |
| B | 2400 | 2400 |
| C | 950 | – |
| D | 1070 | 1070 |
| E | 850 | 850 |
| F | 750 | 750 |
| Weight in kgs* | 900 | 700 |

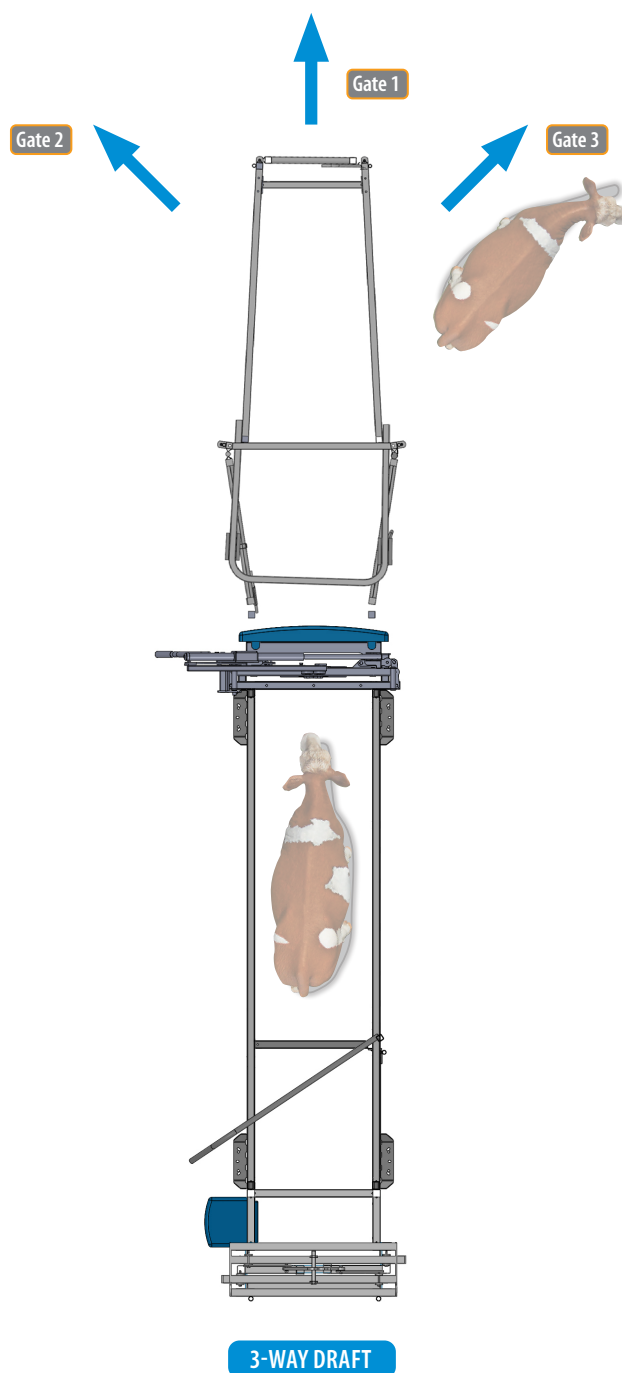
Scales & EID Compatibility

- Compatible with Te Pari T20, and T30 Scales, Gallagher 610/810/TSI Scales & Tru-test XR/ID Series Scale
- eRail controller (ASR566) needed if connected to Tru-test or Gallagher Scale systems

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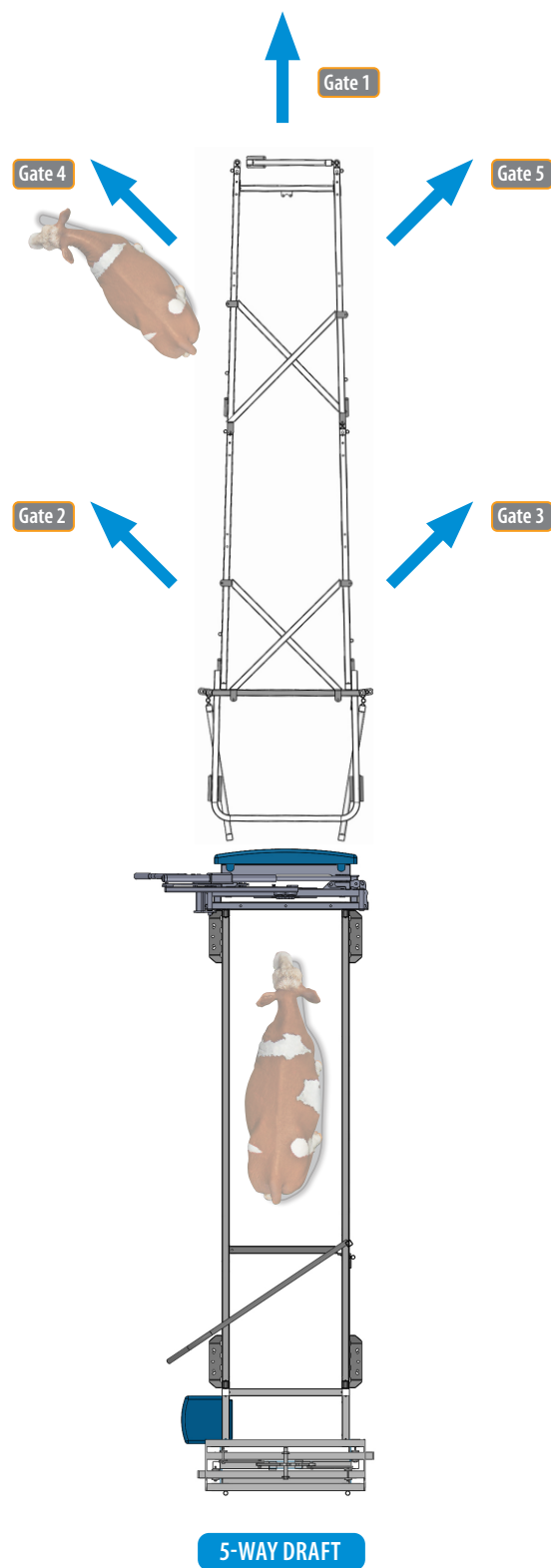
Drafting Directions



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Drafting Directions



Installation Requirements

- Level concrete surface approx 2.5-3.5m wide
- 2.5hp compressor 13–16 CFM
- 240V power supply or generator (optional battery supply)

EID can run off a power supply or separate battery.

Please read and understand the instructions before operating your Taurus HD3 or HD5 Cattle Crush.

The Compressor

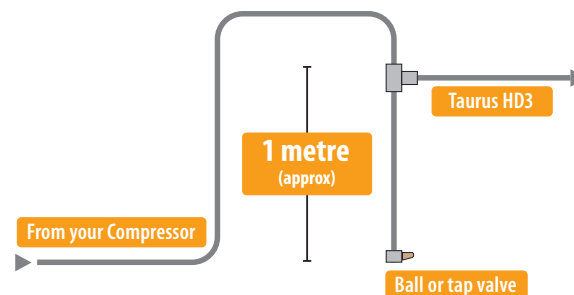
We recommend a 13–16 CFM belt driven compressor. If the compressor is too small the Taurus HD3 or HD5 Crush will run slowly and may not operate properly.

The compressor does not need to be close to the crush; having it at some distance reduces noise levels in the working area. It is important to run compressors in a well ventilated area as close as possible to a main power supply near a switchboard. This will avoid the use of leads, which can affect the power input. From time to time the oil level on the dipstick should be checked. Water should be drained from the air reservoir, after every use.

Please note: when turning the compressor on or off use the switch on the compressor and not the switch at the power source.

This applies to all compressors, because air is not discharged, the compressor is being asked to starting under a load and this can burn out its capacitor.

Attaching the air fittings & compressor hook up



If your compressor is situated some distance from your Taurus HD3 or HD5 we recommend the airline configuration shown here.

This provides a purge tap or ball valve so that condensation can be periodically removed from the air system. Assemble the airline and connect to the compressor. Plug the compressor into a power source and turn the power source on, then using the switch on the compressor turn the compressor on. Always turn the compressor on or off at the compressor, not the wall.

How it works

The Taurus HD3 system uses compressed air to open and close the entry and various exit gates. After the animal enters the crush the rear sliding gate is automatically closed, and the weighing cycle starts. When a stable weight is recorded the appropriate exit/drafting gate is automatically opened and the animal is released. With the 5 function handheld radio remote control, the operator can control the main functions of the crush and the draft gates from a distance.



Manual Mode

When the crush is set to Manual mode all control is operated using the switches on the crush or using the remote control.

Manual operation functions:

- | Headbail – open or close
- | Squeeze – open or close
- | Drafting gates – left or right
- | Sliding gate – open or closes the sliding gate on the crush
- | Race gate – open or closes the sliding gate in the race (optional item)

Auto Mode

When switched to Auto mode the crush will adjust ready for auto drafting.

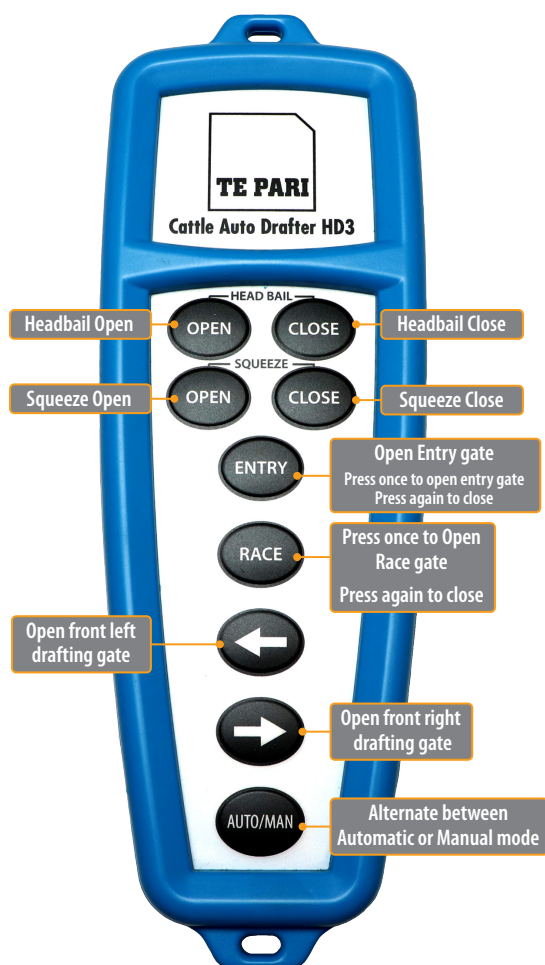
The headbail will close and sliding gate will open. The draft gate switch needs to be set to straight or it will override the Auto drafting commands.

When an animal enters it will be detected by a sensor mounted in the top of the crush. This will start the process of closing the sliding gate.

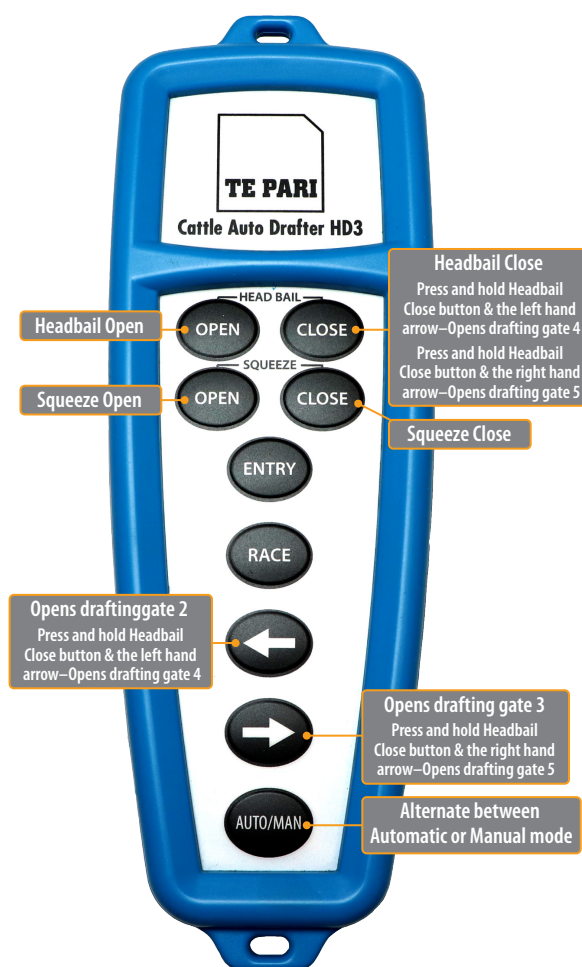
When the sliding gate is closed completely another sensor is activated and a command is sent to the scales to make a drafting decision. This is handled differently per model as noted below:

- | Crush with 3 Way Draft Module – if the crush has a 3 way draft module the gates will be set to correct direction and headbail will open for animal to exit. As the animal moves through the draft module it will be detected by a sensor and the headbail will close again and sliding gate will open for next animal. If a animal remains standing in the draft module (in front of sensor) the next animal will not be released until the animal has moved on
- | Draft out of crush model – when command is received the gate on the crush will open to let the animal exit. As the weight drops off the gates will close again and the sliding gate will open ready for the next animal.

Remote Control Button Mapping



CATTLE AUTO DRAFTER
HD3 REMOTE



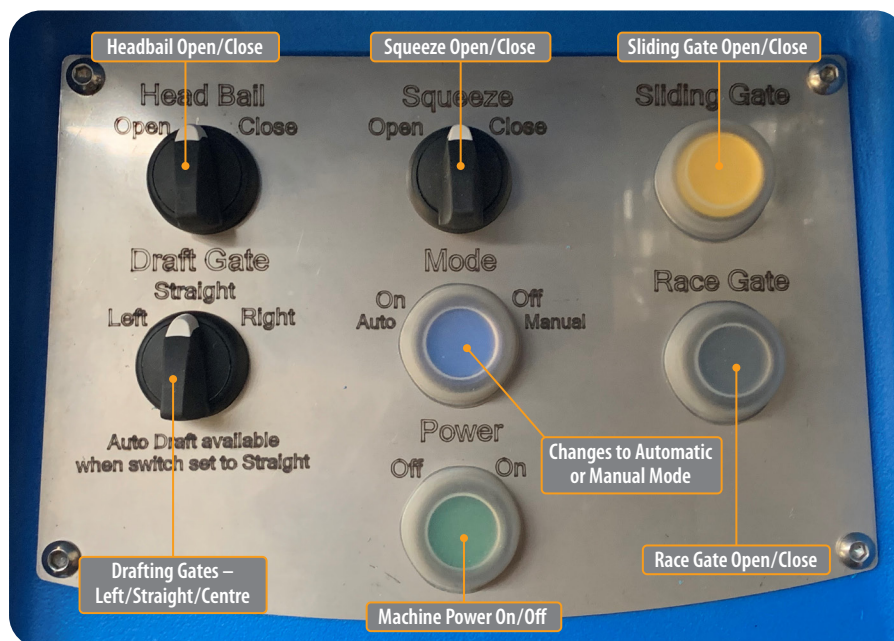
CATTLE AUTO DRAFTER
HD5 REMOTE

Pairing the remote: Simply press and hold the Entry and Race buttons for 10 seconds to pair.

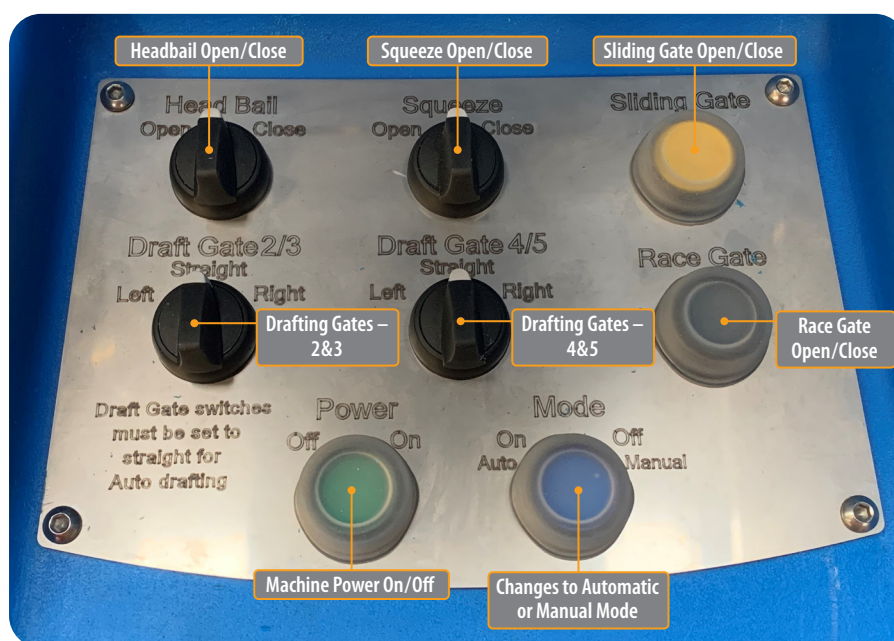
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Manual Control Mapping



3-WAY



5-WAY

Cleaning and Maintenance

Cleaning

- Simply cleaning down your headbail after use will increase its working life. Cattle urine and/or faeces can have a corrosive effect on your equipment. Regularly scrap out underneath your crush to ensure weighing accuracy. We recommend cleaning the crush without the use of water blasters as water can often lead to damaging the load cell(s), which will cause weighing inaccuracies and may require replacement over time.*

Lubrication

- Lubricate all grease nipples, pivots and tracks on your headbail at least every 4 weeks, or for every 1,000 cattle processed. The nylon wheels on the top of the headbail require lubrication also. We recommend using a silicon spray, or CRC to perform this task. Slam latches also require regular lubrication to ensure they remain easy to operate and do not start to stiffen.*

Check and replace any worn components

- Annually check pivots and bolts for wear and replace as required. Bolts need to be kept tight on the headbail, as they can become loose over time causing the headbail to become sloppy it will also cause additional wear on the unit.*

Contact Te Pari Products, or your local dealer for assistance with product part replacement.

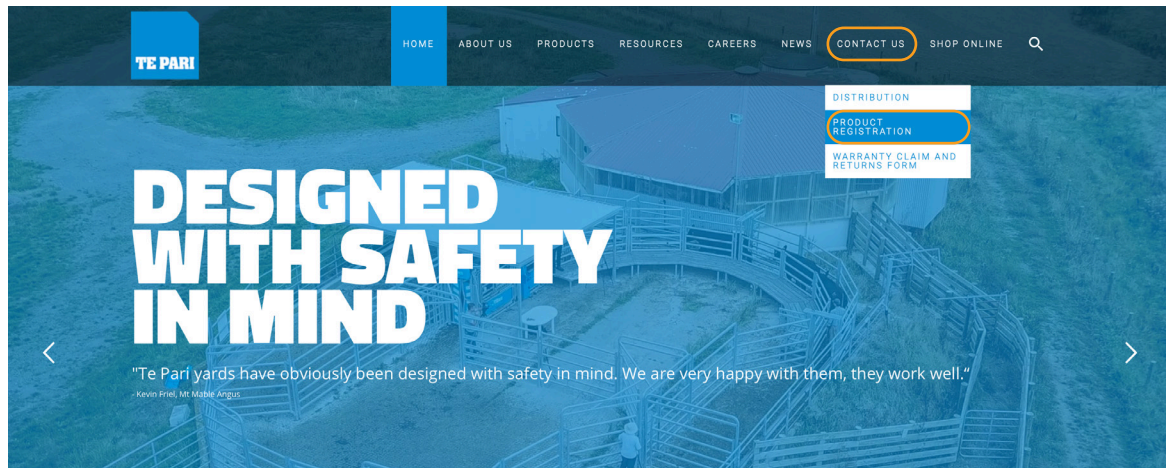
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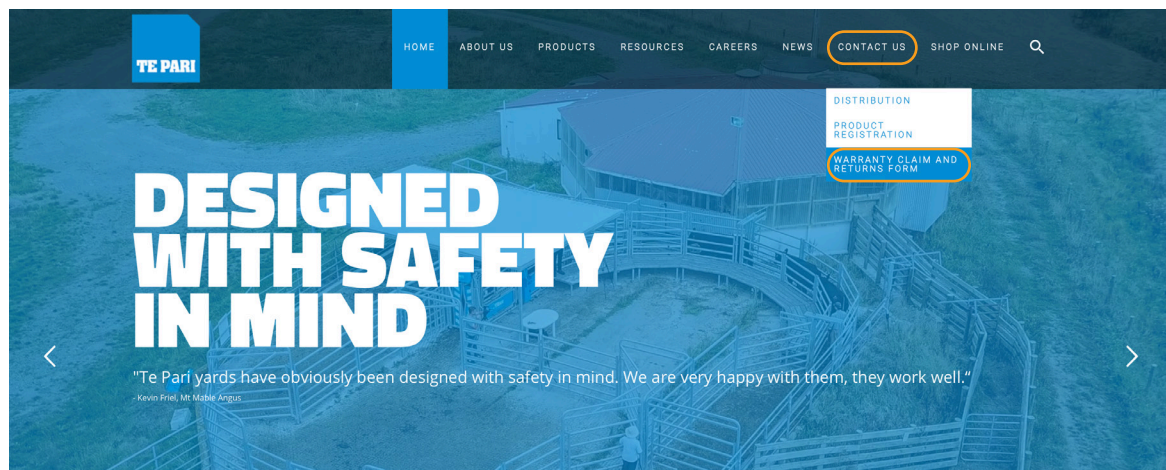
Product Registration

Register your Te Pari Taurus HD3 & HD5 Cattle Crush via the Te Pari website. This can be found by clicking on the **Contact Us** drop down menu and takes minutes to complete. By registering your product with us ensures that we have all your details should they be needed in the future.



Warranty Claims & Returns Form

Fill out and submit this form for any warranty claims or required returns. All submitted queries will be contacted within two business days from submission.

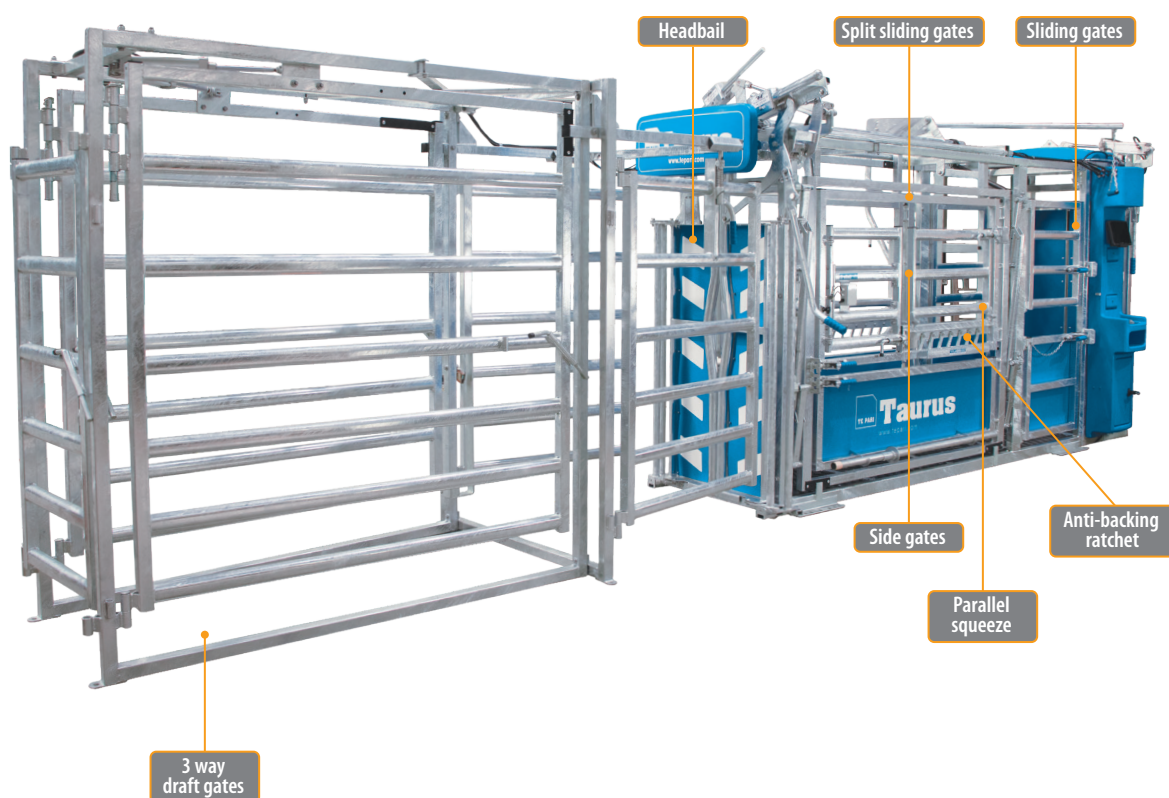


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Hazard Identification

The Taurus HD3 & HD5 Cattle Crush has moving gates positioned in multiple locations as shown below. Keep hands clear to avoid the risk of a crush injury when the machine is operational.





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Thank you for your purchase, enjoy your new Te Pari Taurus HD3 & HD5 Auto Cattle Crush
from the Te Pari team

