

THOMPSON MEAT MACHINERY

Thompson 400 Supercut Bandsaw *Heavy Duty Industrial High Speed Bandsaw*

MACHINE IN COMPLIANCE WITH AUSTRALIAN,
NEW ZEALAND AND CE STANDARD REGULATIONS



ON/OFF AND
EMERGENCY STOP
CONTROL AT
OPERATORS EYE LEVEL

HIGH QUALITY STAINLESS STEEL
CONSTRUCTION AND PERFORMANCE

SAFETY FLANGES ON STAINLESS STEEL
OR TINNED WHEELS
*Precision Machined and Balanced ensuring
smooth and safe operation*

REMOVABLE
BLADE GUARD



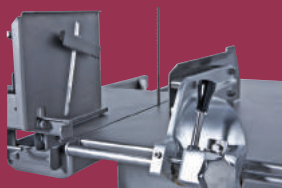
WHEEL AND BLADE SCRAPERS



TILT UP TABLE
*Provides thorough
and easy sanitation*



SLIDING
TABLE
Optional



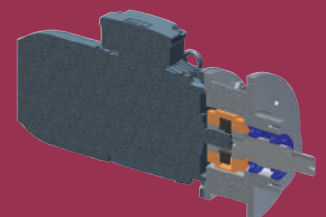
LAST SLICE DEVICE &
FINE ADJUSTMENT
Optional

HIGH FRAME CLEARANCE
FROM FLOOR
*Allows for thorough cleaning
under with ease*

KICK STOP SWITCH



BOTTOM WHEEL WITH
UNIQUE TAPERLOCK ASSEMBLY



3kW HIGH SPEED MOTOR
WITH HEAVY DUTY
BEARING ASSEMBLY

"THOMPSON TOUGH"

**LEADING AUSTRALIAN MANUFACTURERS OF MEAT PROCESSING
MACHINERY**

THOMPSON 400 SUPERCUT HIGH SPEED BANDSAW

THOMPSON 400 BANDSAW is the premium **SUPERCUT HIGH SPEED BANDSAW**, a Heavy Duty Bandsaw used in industrial processing facilities throughout Australia. Thompson 400 Bandsaw offers safety accessories and features that significantly improve operator safety. Thompson 400 Bandsaw is very diverse with different options available and this offers the best long term investment with full flexibility options.

- Automatic **BLADESTOP SYSTEM** function that stops the blade within **9 MILLISECONDS** of contact with operator's body.
- Automatic **BLADE GUARDING SYSTEM** that completely covers operating bandsaw blade in between cutting processes.
- **LAST SLICE DEVICE** used in conjunction with **SLIDING TABLE** to reduce operator injury.

PERFORMANCE

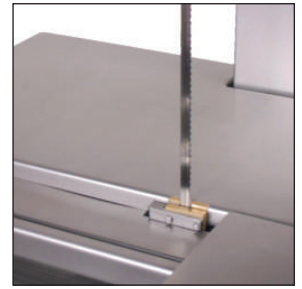
The **HIGH BLADE SPEED** and **EFFICIENT DESIGN** of the Thompson 400 Bandsaw significantly improve the cutting action.

- 1,960m/min (6,450 ft/min)
- Cleaner cuts with reduced bone dust on product
- Portion cutting is straight and accurate
- Blade does not wander
- Cuts through frozen product (blocks) effortlessly
- Increases cutting efficiency and yields

CONSTRUCTION

Thompson 400 Bandsaw has the following **UNIQUE DESIGN FEATURES** which **REDUCE MAINTENANCE COST**:

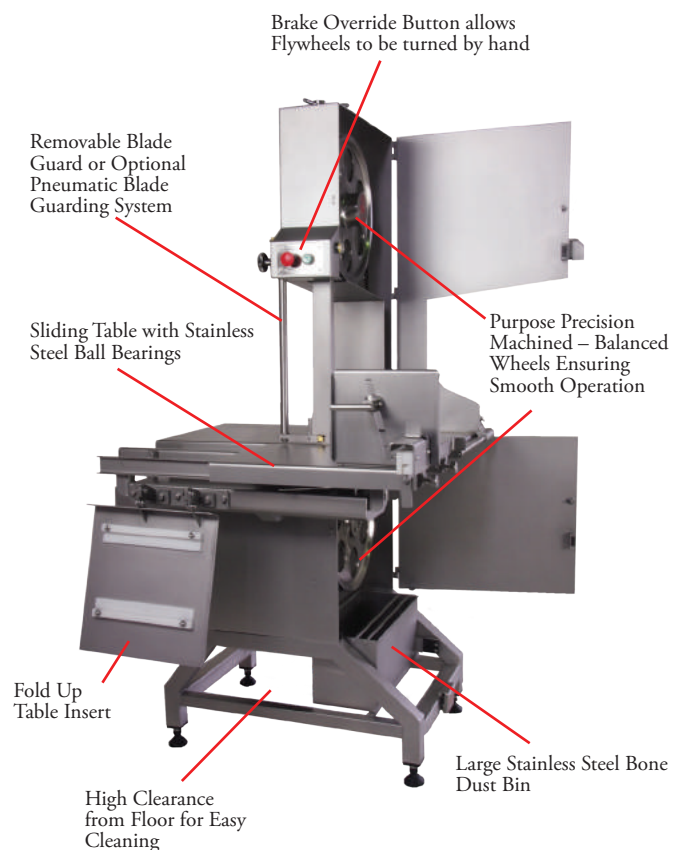
- **FOLDED EDGE ON FIXED TABLE** ensures product does not catch as it is processed over fixed table for cutting operation.
- **ALUMINIUM BRONZE TABLE GUIDE INSERT** for prolonged life, table protection & bandsaw blade rigidity.
- The **TOP WHEEL HOUSING** is fully enclosed within main frame eliminates possibility of debris falling onto table or product during operation.
- **BOTTOM WHEEL MOTOR AND FLYWHEEL ASSEMBLY** are fitted with coupling drive, intermediate bearing housing and lower wheel Stainless Steel taperlocks. This allows easy bottom wheel removal and adjustment and eliminates the possibility of the wheel seizing onto the Stainless Steel drive shaft.
- Thompson Ingenuity provides **BLADE TRACKING SYSTEM** incorporating multidirectional setting adjustment that prolongs bandsaw blade life, eliminates accelerated wear to safety flanges on bandsaw wheels and greatly reduces blade slip.
- **TILT-UP-TABLE** is great for sanitation to ensure there is no water residue left on table surface after cleaning that can generate active bacteria growth. This design allows thorough wash down sanitation by providing clear visibility under the table and it is more effective than removable tables that are often damaged during wash down process.
- The **TOP GUIDE SLIDE BAR** is manufactured from 25mm Stainless Steel square bar. Incorporating in its design a feature that when the slide bar lock is released, the mechanism controls top guide bar dropping distance.
- **WHEEL AND BLADE SCRAPPERS** are fitted to reduce slippery surface from meat and fat build-up between the wheel surface and bandsaw blade.



Picture illustrates Aluminium Bronze Table Guide Insert & Folded Table Edge



Picture illustrates Bandsaw with Sliding Table and Last Slice Device



EFFICIENT OPERATION

- **START / STOP CONTROLS** are located at easily visible eye level for quick and easy access.
- The **BLADE TENSION ASSEMBLY** is totally enclosed with a positive tension setting locked to guarantee consistent blade tension through the life of the machine.
- The **POWERFUL DIRECT DRIVE SYSTEM** provides positive and constant blade speed and eliminates the requirement of frequent adjustments and replacement.
- A **POWERFUL 3kW HIGH SPEED MOTOR** ensures continuous smooth cutting operation through fresh and frozen products.
- The **HIGH CLEARANCE FROM FLOOR** allows easy and thorough cleaning providing maximum hygiene.

SAFETY

Thompson 400 Bandsaw offers features that **MAXIMIZE SAFETY** to the operator and other persons in close vicinity. Work Place Safety is a priority that should not be compromised.

- **BRAKE MOTOR** allows the blade, operates at high speed, to stop within approximately 4 seconds when stop button is activated. This minimizes the possibility of accidents caused through blade run on.
- **BRAKE OVERRIDE BUTTON** allows the flywheels to be turned by hand for easy blade setup and machine maintenance.
- **FOOT CONTROLLED STOP KICK SWITCH** enables the bandsaw to be stopped safely when operators hands are full.
- **INTEGRATED INTERNAL ELECTRICAL WIRING** harness provides connectivity of all electrical control components. No cables exist on extremities of machine that create electrical hazards and water ingress through control circuit when installation and glands fail.
- Highly reliable **SAFETY LIMIT SWITCHES** on both top and bottom doors, tilt up table and bone dust bin provides complete operator safety to ensure bandsaw cannot be accidentally started during and after cleaning operations, while doors or table are not closed or blade guard not refitted.
- **PURPOSED DESIGNED TINNED FLYWHEELS WITH SAFETY FLANGES** prevent blades from dislodging, eliminating the possibility of operator injury. Precision machined and balanced wheels ensuring smooth, quiet and safe operation.
- **ISOLATION SWITCH** maximising safety during wash down and maintenance operations.

RECOMMENDED OPTIONS

- **PNEUMATIC BLADE GUARD SAFETY SYSTEM** is a patented system that automatically covers exposed operating bandsaw blade in between cutting processes.
- The **STAINLESS STEEL FLYWHEEL** option improves the wear life and prolongs the brake life by reducing the inertia to be stopped.
- **SLIDING TABLE ASSEMBLY** features unique multidirectional setting on adjustment eliminates sliding table misalignment which creates the potential for operator injury.
- **LAST SLICE DEVICE** fitted to the **SLIDING TABLE** to clamp meat product so the operator's hands are away from the blade to reduce potential cuts to operators.
- **REMOVABLE REAR LIP** is an option to enable the cutting or sectioning of bodies and quarters without the interference of the lip as a catch zone.
- **FOLD UP TABLE INSERT** creates a full length fixed table out of the sliding table.
- Available in **LEFT OR RIGHT HAND CONFIGURATION**.

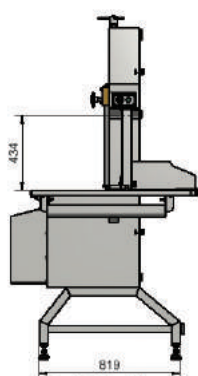


Picture illustrates Sliding Table with Multidirectional Setting Adjustment and Start/Stop Controls on Visible Eye Level

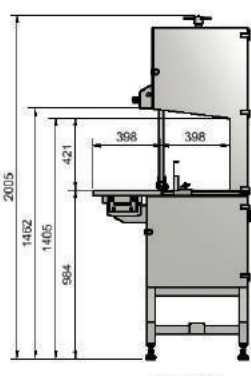
THOMPSON 400 BANDSAW SPECIFICATIONS:

Dimension	
Overall Height	2005 mm
Cutting Height	434 mm
Floor Area (Door Closed)	934 mm x 1094 mm
Floor to Table Height	984 mm
Cutting Table Dimension	901 mm x 936 mm
Cutting Throat Height	421 mm
Cutting Throat Width	398 mm
Shipping Dimension	
Shipping Weight	400 kg
Shipping Size (L x W x H)	1200 mm x 1200 mm x 2200 mm
Power	
Power Supply (With Brake)	Recommended, 20 Amp D Curve Circuit Breaker
Motor Data	3 kW 4 pole (3 phase)
Blade	
Blade Length	3290 mm
Blade Width	16 mm
Blade Speed	1960 m/min (6450 ft/min)

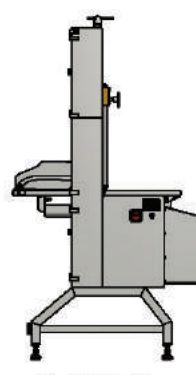
Technical data is to be used as a guide only and is subject to change without notice.



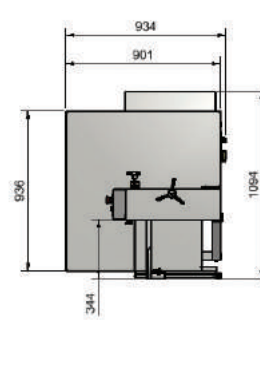
Left Side View



Front View



Right Side View



Top View

BLADESTOP SYSTEM (PATENTED)

The innovative **BLADESTOP SYSTEM** is designed to act fast enough to **AVOID MAJOR INJURY TO THE OPERATOR** and **REDUCE THE FREQUENCY OF AMPUTATIONS**. Bladestop provides simple and safe operation that mechanically stops the blade when the control unit determines a person has made contact with the blade. Blade is **STOPPED WITHIN 9 MILLISECONDS** of sensing a person's body to prevent further travel.

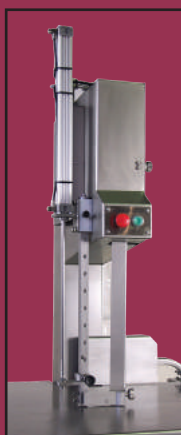
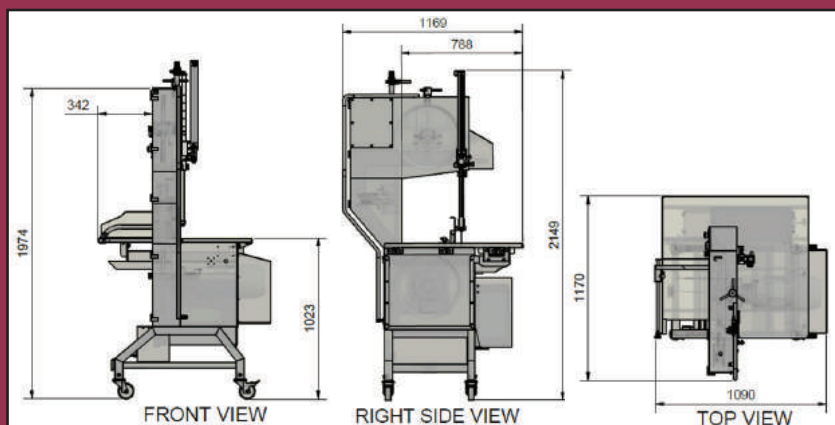
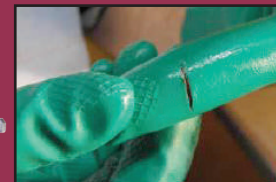
It offers a choice of three sensor strap positions - arm, wrist or waist. All options provide the operator with the same standard of effectiveness while ensuring maximum comfort, convenience and suitability for the site operator. Each sensor band has been **ERGONOMICALLY DESIGNED** with button clips for fast and easy attachment and removal.

BLADESTOP SYSTEM consists of four main components:

- **THOMPSON 400 SUPERCUT HIGH SPEED BANDSAW**
- **Unique BLADE BRAKE MECHANISM**
- **Operator arm/wrist "SENSOR" attachment**
- **Microcontroller based control unit**

BLADESTOP SYSTEM is an operator aid providing the following benefits:

- **INCREASES PROCESSING UPTIME** whilst greatly reducing the risk of serious bandsaw injury
- **IMPROVES PERSONNEL MORALE**
- **SIMPLE TO OPERATE**



Adjustable Pin to change height of Blade Guard

BLADE GUARDING SYSTEM (PATENTED)

The **THOMPSON BLADE GUARD SAFETY SYSTEM** is a patented system that automatically covers the exposed operating bandsaw blade in between cutting processes. This mechanism is **FAST, EFFECTIVE AND DOES NOT REDUCE CUTTING EFFICIENCIES**. It also prevents the motor from burning out in high stop and start operation situations. The Blade Guarding System been shown to **EFFECTIVELY REDUCE BLADE CUTTING INJURIES** and is retro-fittable to existing Thompson Bandsaws.

The **THOMPSON BANDSAW BLADE GUARDING SYSTEM** has a simple **PNEUMATICALLY CONTROLLED FOOT PEDAL** operation. The blade guard automatically releases when the operator releases the pressure on the foot pedal and all exposed blade is immediately covered.

The **THOMPSON BANDSAW BLADE GUARD** also provides **MULTIPLE HEIGHT POSITIONS** which can easily and quickly be changed by simply placing the pin either higher or lower.

Benefits of the Bandsaw Blade Guarding System:

- **STOPS MOTOR BURN OUT** due to over frequent stopping of high speed Bandsaws in short time frame
- **INSTANTLY** and automatically **PROTECTS OPERATORS** from the running blade without stopping the Bandsaw
- **PROTECTS FROM BANDSAW BLADE RUN ON** after the Bandsaw has been stopped
- **PROTECTS OTHER PERSONNEL FROM INJURY** in instances where Bandsaw blades have been left running and unattended.



Foot Control depressed Bandsaw Blade Guard raises to Pre-selected Height



Foot Control Released Bandsaw Blade Guard comes down

Manufactured in accordance with Australian Standards and Regulations



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