

SATCO[®]

223 & 223T PROCESSOR



The **SATCO**[®] 223(T) is a 23" single grip, two roller processing head that was identified and developed by **SATCO**[®] for forest contractors who require a full processing head that is in a 'not too big, not too small' range. The **SATCO**[®] 223(T) stands up to the tough demands of 'Clear Falling' and 'second thinning' in Radiata pine forests of the Southern Hemisphere and the cold climate of Russia.

A unique '**HOSE THROUGH CENTRE**' connection to the base machine which allows the hoses to travel through the centre line of the attaching pins. This prevents the hoses over-bending causing premature failure and protects the hoses from damage, especially in 'Cut to Length' applications.

A set of bottom delimb arms which are used for diameter measuring, delimiting and tree clamping for falling. Because the arms are so close to the butt saw, you get accurate diameter measurements and you have less risk of tree slippage when tree falling. You also have the advantage of better delimiting.

Two feed rollers to drive the tree not three. The advantage with two rollers is the tree does not run in one concentrated area of the feed rollers which in-turn gives much longer roller life (up to 5x that of a three roller) and less stem damage is incurred. The large 50cm (20") diameter feed rollers are not linked and are able to follow the contour of any tree without slipping.

The bottom saw unit is supported by a large 30cm (12") diameter slew bearing making it a very robust unit especially when falling. The saw cylinder is mounted inside the saw box which means it is protected from saw chain damage. **SATCO**[®] also use a unique locking system for the saw sprocket to prevent broken drive shaft keys and damaged saw motor shafts. **SATCO**[®] also offer an optional 404 SC100 top saw with a 48cm (19") cutting capacity.

The **SATCO**[®] 223(T) runs a large 30cm (12") diameter length measuring wheel, the larger the wheel the better it runs over the stem. The length measuring wheel does not run in the same path as the drive wheel, so the log can be measured more accurately.

SATCO[®] offers three levels of control system, **SATCO**[®] Plus 1, DASA5 PRIO and DASA5 Optimising.

SATCO[®] also supply and control the rotator motor from this valve. The advantage is we can supply a controlled oil flow extending the life of the motor and preventing premature failure. Only four hoses are required to connect the processor to the base machine.

SATCO[®] 223(T) Processors are constructed using high grade materials and manufactured using the best robotic welding wire for a far superior weld.

Key features include:

- Twin tilt cylinders
- Cast cutting edges for fast and easy field replacement
- 8cm (3") pins for strength and long life
- Control valve is rated at 200lpm (52.8gpm) (US) per section at 420bar (6100psi) with proportional pressure
- Long life solenoids
- Removable covers for easy servicing
- Reliable components
- **SATCO**[®] **HOSE THROUGH CENTRE** system
- Heavy duty **SATCO**[®] designed 3/4" saw
- Large 50cm (20") diameter feed rollers
- Large 30cm (12") diameter measuring wheel
- Rexroth valve rated at 420bar (6100psi) continuous
- Easily removable bolt on SC100 Top Saw assembly
- All pivot pins are retained using **SATCO**[®]'s '**DEAD LOCK**' pin retention system, a special clip system adding to the strength of chassis with no extra weight



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LOGGING ATTACHMENTS

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Weight (223) (less top saw):	3000kgs	6600lbs
Weight (223T) (with top saw):	3450kgs	7590lbs
Max Feed Speed:	4.8m/s	15.7f/s
Max Feed Force:	45kn	10125lbf
Control Valve:	Rexroth M4-15	
Drive Rollers:	50cm diameter 20"	
Drive Motors:	2x Poclain MS11	
Main Saw:	(Optional saw limiter) Heavy duty 36" saw bar with 3/4" chain - 45cc Rexroth motor	
Max Cutting Diameter:	75cm	30"
Top Saw - SC100:	404 - 48cm (19") cutting capacity	
Delimiting Knives:	3 upper - 2 lower - all moving	
Rotation:	Heavy duty 340° SATCO® HOSE THROUGH CENTRE	
Measuring:	SATCO® Plus 1 DASA5 PRIO DASA5 Optimising	
Max Delimb Capacity:	66cm	26"
Min Delimb Capacity:	6cm	2.5"
Max Head Open:	80cm	32"
Carrier Size:	22-30 tonne	



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