

# SATCO®

## 3 SERIES, 3 ROLLER, LARGE CAPACITY PROCESSORS/HEADS



The **SATCO®** 3 Series large capacity processors have been designed around the robust and successful **SATCO®** 630 Felling Grapple. The 3L2T is the 3/4" topsaw model within it's own chasis.

The 3L2 with an option to fit a SC100 404 Topsaw (3L2sc) is a fall and trim version with measuring which has been designed to enable contractors to replace static-delimiters, by utilising one machine to both fall and delimb stems with the option to measure reducing machinery requirements and operating costs.

The idea with the 3L2 is that you can cut a tree down and delimb it on the spot making the tree lighter, cleaner and more cost effective to pull to the processing site. Up to 15% of a trees weight is in the limbs so leaving them in the stand means that you get great fuel savings with faster processing times while leaving all of the waste out in the stand where it will break down and re-fertilise the soil. Clean stems to the skid for easy cut to length.

**SATCO®** measuring. The **SATCO®** 3L2/3L2sc and 3L2T run a large 30cm (12") diameter length measuring wheel, the larger the wheel the better it runs over the stem.

**SATCO®** offers three levels of control system. **SATCO®** Plus 1 (designed and supported in house), the other two options are DASA5 PRIO and DASA5 Optimising.

360° continuous rotation allows falling in any possible direction in relation to the base machine.

There is 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 tree felling applications.

The **SATCO®** 3 Series saw unit is supported by a large 30cm (12") diameter slew bearing making it a very robust unit especially when falling. The saw unit uses a 43" bar with 3/4" chain with **SATCO®** auto chain

tensioning. **SATCO®** also use a unique locking system for the saw sprocket to prevent broken drive shaft keys and a damaged saw motor. The **SATCO®** 3L2T has two 3/4" saw units.

Weighing from 3580kg (7893lbs) - 4100kg (9020lbs), and requiring 380lpm (100gpm) (US) of oil flow.

The **SATCO®** 3 Series large capacity processors can be pinned on to any base machine in the range of 24 - 40 tonne.

Constructed using high grade materials and manufactured using the best robotic welding wire for a far superior weld.

### Key features include:

- 8cm (3") pins for strength and long life
- Extra 'dead length' in cylinders for superior seal life
- Oil impregnated bushes for less wear
- Well protected hydraulic system
- Removable covers for easy servicing
- 360° continuous rotation
- 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
- Same top saw bar and chain as bottom saw on 3L2T
- Rexroth valve rated at 420bar (6100PSI) continuous
- Long life solinoids
- Twin tilt cylinders
- Standard safety chain shot zone lights
- **SATCO®** Auto chain tensioning
- Saw limiter
- Harvest lock

### Options:

- Hardwood kit
- Find end
- Colour marking
- Bottom Delimb
- Measuring
  - **SATCO®** Plus 1
  - DASA5 PRIO
  - DASA5 Optimising

**SATCO®**  
LOGGING ATTACHMENTS

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<b>Weight:</b>	SAT3L2 -	3580kg	7893lbs
	SAT3L2sc -	3600	7940lbs
	SAT3L2T -	4100kg	9039lbs
<b>Max Cutting Diameter:</b>		86cm	34"
<b>Max Feed Speed:</b>		4.1m/s	13.5f/s
<b>Feed Force:</b>		55kn	12365lbf
<b>Max Delimb Capacity:</b>		66cm	26"
<b>Min Delimb Capacity:</b>		7cm	3"
<b>Max Head Open:</b>		100cm	40"
<b>Carrier Size:</b>		24 - 40 tonne	
<b>Control Valve:</b>		Rexroth M4-15	
<b>Drive Motors:</b>		4x synchronised drive motors	
<b>Main Saw:</b>		3/4" chain, 43" bar	
<b>(SATCO<sup>®</sup> Auto chain tensioning)</b>		45cc Rexroth motor	
<b>Delimiting Knives (3L2 &amp; 3L2T):</b>	<b>(TRI KNIFE system)</b>	1x double jaw with field replaceable knife inserts 1x single jaw with field replaceable knife inserts 1x top floating knife	
<b>Delimiting Knives (3L2sc):</b>	<b>(DUAL KNIFE)</b>	2x single jaws with field replaceable knife inserts 1x top floating knife	
<b>Rotator:</b>		360° continuous rotation, heavy duty hydraulic centre joint system	
<b>Measure Options:</b>		Ø30cm (12") measuring wheel <b>SATCO<sup>®</sup> Plus 1</b> DASA5 PRIO DASA5 Optimising	
<b>Top Saw (3L2T):</b>		3/4" chain, 43" bar, 45cc Rexroth motor, max cut 69cm (27")	
<b>Top Saw (3L2sc):</b>		SC100 404, max cut 46cm (18")	



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