

# 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. A measuring option is available in the 325M, using the same chassis as the 325E. The 325T is the 3/4" topsaw model within its own chassis.

The 325E 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 325E 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 stands means that you get great fuel savings with faster processing times while leaving all of the waste out in the stands where it will break down and re-fertilise the soil. 'Clean stems to the skid for easy cut to length.' The 325M and 325T can take care from here.

**SATCO® measuring.** The **SATCO®** 325M and 325T 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 adjuster is a heavy duty manual adjuster unit running a 43" bar with 3/4" chain. **SATCO®** also use a unique locking system for the saw sprocket to prevent broken drive shaft keys and a damaged saw motor. The **SATCO®** 325T has two 3/4" saw units.

Weighing from 3500kg (7700lbs) - 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
- Option to fit measuring at any time to 325E
- 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 as bottom saw on 325T (same spare parts and hardware)
- Rexroth valve rated at 420bar (6100PSI) continuous
- Long life solinoids
- Twin tilt cylinders



**SATCO®**  
LOGGING ATTACHMENTS

**SATCO®** Ltd | 10-12 Satco Drive, PO Box 254 | Tokoroa, New Zealand  
p. +64 (7) 886 4539 | f. +64 (7) 886 4538 | e. admin@satco.co.nz | [www.satco.co.nz](http://www.satco.co.nz)



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<b>Weight:</b>	325E -	3500kg	7700lbs
	325M -	3580kg	7893lbs
	325T -	4100kg	9039lbs
<b>Max Cutting Diameter:</b>	32"		80cm
<b>Max Feed Speed:</b>	2x837cc / 2x500cc -		5.1m/s
	2x1048cc / 2x630cc -		4.1m/s
			17f/s
			13.5f/s
<b>Feed Force:</b>	2x837cc / 2x500cc -	48kn	10790lbf
	2x1048cc / 2x630cc -	55kn	12365lbf
<b>Max Delimb Capacity:</b>	26"		66cm
<b>Min Delimb Capacity:</b>	3"		7cm
<b>Max Head Open:</b>	40"		100cm
<b>Carrier Size:</b>	24 - 40 tonne		
<b>Control Valve:</b>	Rexroth M4-15		
<b>Drive Rollers:</b>	3 thumb nail rollers - or alpine (optional)		
<b>Drive Motors:</b>	2x Poclain synchronised 2x Danfoss synchronised		
<b>Main Saw:</b>	(Optional saw limiter) 3/4" chain, 43" bar, 45cc Rexroth motor		
<b>Delimiting Knives:</b>	<b>(TRI KNIFE system)</b> 1x double jaw with field replaceable cast knife inserts 1x single jaw with field replaceable cast knife inserts 1x top floating knife		
<b>Rotator:</b>	360° continuous rotation, heavy duty hydraulic centre joint system		
<b>Measuring:</b>	Optional length and diameter, Ø30cm (12") wheel <b>SATCO® Plus 1</b> DASA5 PRIO DASA5 Optimising		
<b>Top Saw (325T):</b>	3/4" chain, 43" bar, 45cc Rexroth motor, max cut 69cm (27")		



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