

CHANGE MIND, CREATE FUTURE.,

Model FO-TWL-III
Model FS-TWL-III



LOG Charger



Photo : A log supplied to the right charger



Photo : A log supplied to the left charger

Original Charger, Resulting in High Efficient and Substantial Labor Savings

- A log supplied from the stop and loader is trued up to the edge by the hourglass type live roller, turned by the 2-row charger and centered automatically. The log diameter is measured by the camera and commands of the sawing pattern, set-works and sorting are memorized.

Wide Application

- This model can apply not only for domestic but also imported logs in small and medium size as well as square, flitch and drum sawing.

Center Chuck Type Carriage (with 90° turning system)

- When the log is shifted from drum sawing to square sawing, it is turned at the right angle with the log chucked, which does not cause the out-of-center and results in high yield and high efficient rates.
- After the center chuck the bottom of the log is supported by the deck steadily, effect stable sawing.

CRT(Cathode Ray Tube)



Easy Sawing with Touching-Of-the-Button Simplicity

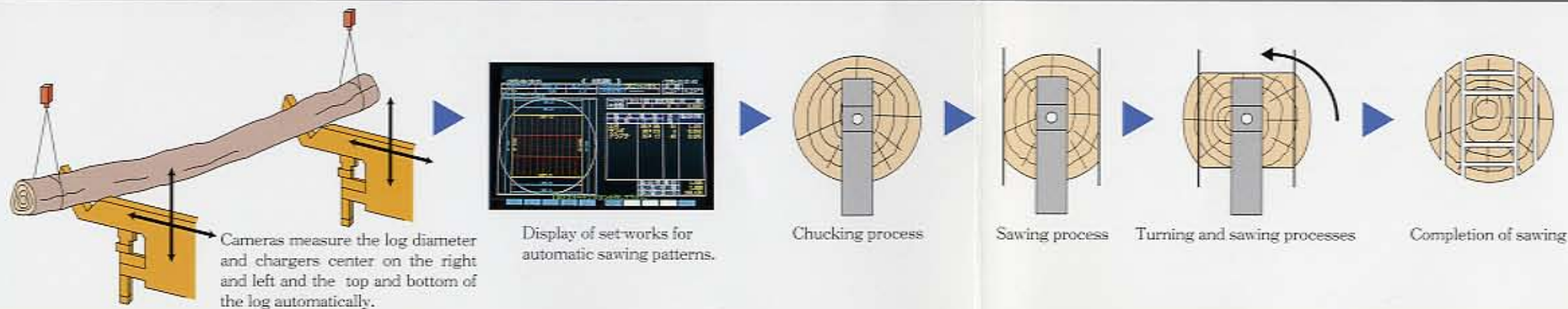
- The set-work data can be symmetrically memorized on the right and left. The contents of the memory and the residual dimensions are digital indicated clearly.
- Thanks to the human engineering, the operation panel can be observed clearly and handled easily.

Automatic Operation by the Computer-Controlling System

- A CCD camera is mounted and the measured data are subjected to image processing and the sawing pattern can be memorized. The yields raised largely.
- The number of sawing and the volume of the sawn timber are controlled by CPU and printed with no toilsome work by the operator's side.

Photo : Model FS-13TWL-III A safety cover is removed.

A High Analytical Camera Has Allowed to Center Log Automatically in Place of Human's Eyes.



Sawing Cycle Time

2 cuts	4 cuts	6 cuts
27 secs for 3m 29 secs for 4m	43 secs for 3m 47 secs for 4m	59 secs for 3m 65 secs for 4m

(Including times for log supplying, sawing and discharging.)

SPECIFICATIONS

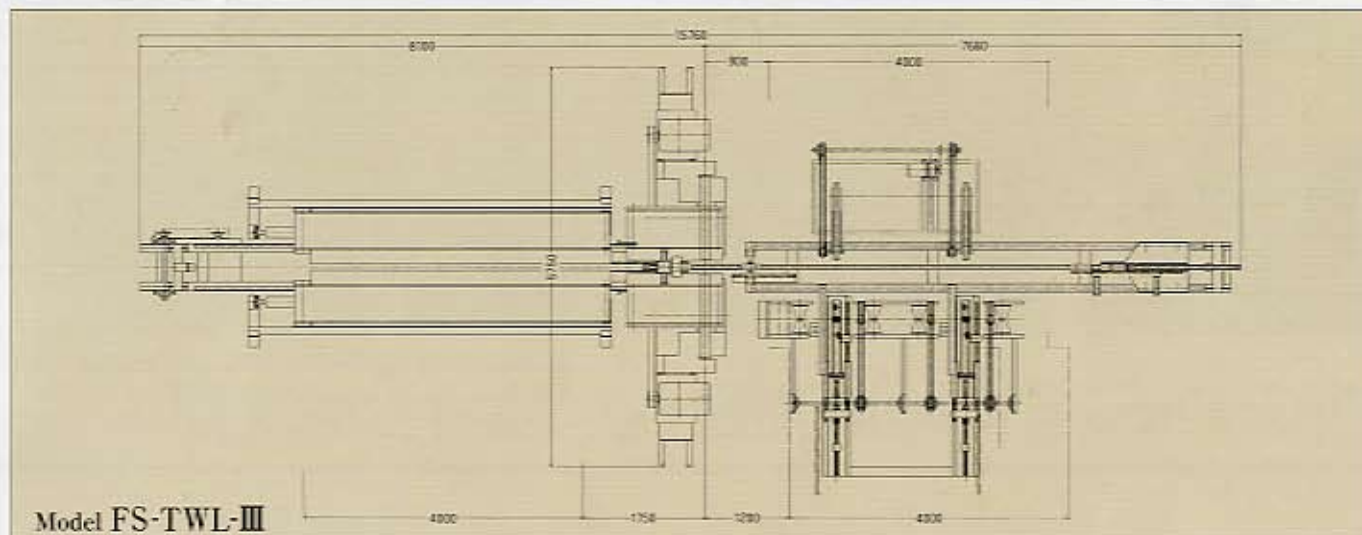
Descriptions	FO-11	FS-12	FS-13	FS-15
Saw wheel diameter	1100mm	1200mm	1300mm	1500mm
Saw wheel width	115mm	140mm	165mm	190mm
Size of saw blade (W × L)	127×7550~7700mm	152×8570~8650mm	178×9300~9800mm	203×9600~10000mm
Available log diameter	φ 100~φ 450mm	φ 120~φ 600mm	φ 120~φ 600mm	φ 120~φ 650mm
Available log length	2900~4200mm	2900~4200mm	2900~4200mm	2900~4200mm
Right-left opening of blades	65-300mm	67-600mm	90-600mm	100-650mm
Carriage feed speed	10~90m/min	10~90m/min	10~90m/min	10~90m/min
Sorting memory capacity of sawn product	15	15	15	15
Motors:				
For saw wheel drive	37kw-6P×2	45kw-6P×2	55kw-6P×2	75kw-6P×2
For saw wheel elevation	0.75kw-6P×2	1.5kw-6P×2	1.5kw-6P×2	1.5kw-6P×2
For saw guide elevation	0.4kw-4P×2	0.4kw-4P×2	0.4kw-4P×2	0.4kw-4P×2
For set-works	2.0kw Servo motor×2	3.5kw Servo motor×2	3.5kw Servo motor×2	5kw Servo motor×2
For feed works	7.5kw-4P Inverter	15kw Vector	15kw Vector	15kw Vector
For belt conveyor	1kw-4P×4	1kw-4P×4	1kw-4P×4	1kw-4P×4
For charger	2.2kw-4P	2.2kw-4P	2.2kw-4P	2.2kw-4P
For chain loader	0.75kw-4P	1.5kw-4P	1.5kw-4P	1.5kw-4P
For edge truing-up roller	0.75kw×3	0.75kw×3	0.75kw×3	0.75kw×3
For hydraulic unit	11kw-4P	11kw-4P	11kw-4P	11kw-4P

Standard Accessories	Center chuck type carriage (with 90° turning system)		Personal computer automatic operation control unit	
	1 set		1 set	
		Automatic log charger	CRT	1 unit
	Operation panel and control box	1 set each	Printer	1 unit

Option	Log Singularizing feeder

Machine Dimension

Unit : mm



The design and specifications are subject to change without notice. Consult on special specifications or conveyor system, etc.

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