

LOG SLITTER SERIES

Over 50 years of experience in high quality log slitters, is leading today **IMESA** development of a wide range portfolio characterized by robust structural designs, perfect alignments, sophisticated automation and accurate cutting group controls: the full range log slitters are voted to intensive workload and productivity.

From entry level to advanced, process oriented machines.

SIMPLE, COMPACT AND VERSATILE



The **54CE** has been conceived and developed to offer the end user an optimal value-to-quality ratio, which is unrivaled in the log slitter market, and leads it to being unique in its kind.

The **54CE** is fitting the entry level needs of customers worldwide, in all markets.

The **54CE** comes with a complete safety package, including CE mark, operator touch screen, and pneumatically expanding shaft in addition to the outer locking mechanism creating a double locking system for maximum accuracy. There is a programmable lubrication system, and sharpening system (both sides of blade). Each cutting phase can be programmed at a different speed to maximize the quality of the cut. The speed and direction of the blade and roll rotation can be adjusted independently and saved in the programming as well. The slitter has been developed with a high precision blade positioning mechanism, another characteristic that is part of IMESA's high quality standard offered by the **54CE**.



PROGRAMMABLE LUBRICATION



DUAL SIDE SHARPENING



CANTILEVER SHAFT 2" & 3"



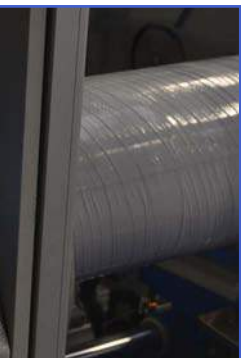
OVER 200 CUTTING PROGRAMS

54CE

The
value
segment



TECHNICAL FEATURES							
	BLADE DIAMETER (mm)	MAXIMUM OD (mm)	OPERATING WIDTH (mm)	INSTALLED POWER (kW)	CUTTING ANGLE	SHAFT	WEIGHT (kg)
54CE - 500	500	400	1600 - 2200	4 - 5,5	Manual	2" - 3"	800
54CE - 600	600	500	1600 - 2200	4 - 5,5	Manual	2" - 3"	900



- Fully programmable cutting program.
- Integrated via PLC for convenient machine control and set-up. Touchscreen user interface.
- Displacement and Multi-speed cut setting controlled by BRUSHLESS MOTORS for absolute positioning.
- Programmable blade lubrication and sharpening dual side.
- Standard 3" shaft. Different sizes on request starting from 2".
- Tolerance on blade longitudinal positioning +/- 0,1 mm (0,003").
- Installed power starting from 4kW.
- Blade and mandrel rotation speed control, adjustable individually, in either direction.

SCALABLE, PRODUCTIVE AND ACCURATE

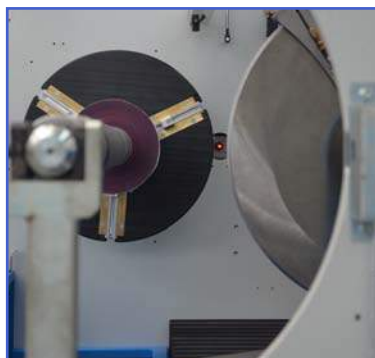


The **558** has been specifically developed to process adhesive, PVC-PP-PE films, rubber and adhesive coated fabrics, rubber, foam, composites and more. A high level of performance is the key feature of the **558**. A combination of hardware and software features on this model reduces the requirement for user interaction and manual setup, thanks to our complete automation packages, fully integrated by PLC and auto acquisition of parameters.

Due to the ability to pull up stored routines, the **558** produces a high level of standardized quality, without any impact from the level operator experience. The machine incorporates a motorized lateral loader for fast and safe loading and unloading of materials. The **558** utilizes a cantilever shaft design, with an operating width up to 2200mm, and a blade diameter up to 800mm, and a free rolling cradle, which lead to a high level of scalability.



**ADVANCED TOUCH
USER INTERFACE**



**LASER SENSOR
CONTROL**



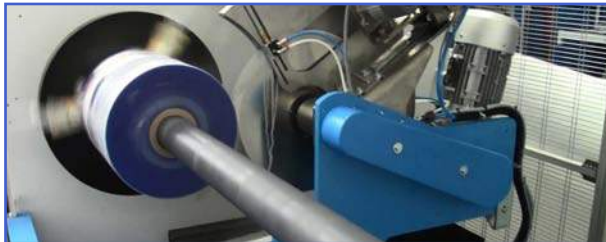
**SAW
BLADE**



**AUTO DOUBLE
LOCKING SYSTEM**


558

The
performance
segment



TECHNICAL FEATURES

	BLADE DIAMETER (mm)	MAXIMUM OD (mm)	OPERATING WIDTH (mm)	INSTALLED POWER (kW)	AUTOMATIC CUTTING ANGLE	SHAFT	WEIGHT (kg)
558 - 500	360 - 500	400	1600 - 2200	7 - 10	Option	1" - 8" Interchangeable	1800
558 - 600	360 - 600	500	1600 - 2200	7 - 10	Option	1" - 8" Interchangeable	1800 - 2500
558 - 800	800	690	1600 - 2200	7 - 10	Standard	1" - 8" Interchangeable	1800 - 2500

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- Design for high performance standard.
 - Modular and scalable to fit your configuration needs.
 - Integrated via PLC for convenient machine control and set-up. Touchscreen user interface.
 - Displacement and Multi-speed cut setting controlled by BRUSHLESS MOTORS for absolute positioning.
 - Automatic control of blade-to-roll angle and senses of rotation.
 - Blade lubrication and sharpening system dual sides, programmable via PLC.
 - Standard 3" shaft. Different sizes on request starting from 1".
 - Pusher device for
 - Interchangeable shaft design.
 - Tolerance on blade longitudinal positioning +/- 0,1 mm (0,003")
 - Installed power starting from 7kW.

SCALABLE, PRODUCTIVE AND ACCURATE



The **558-Cradle** was designed with a focus on the increasing market demand for jumbo roll applications, from paper, to rubber and PVC.

Thanks to the extended operating width, up to 3200mm, with the help of a free rolling height adjustable cradle, it becomes a rather easy and safe process to handle massive rolls.

The closed frame structure and the removable shaft concept with pneumatic counterpoints, delivers an outstanding level of robustness.

The **558-Cradle** is the optimal machine for your jumbo roll converting business.



**SAW BLADE OR
BLADE AVAILABLE**



**PROGRAMMABLE
SHARPENING**



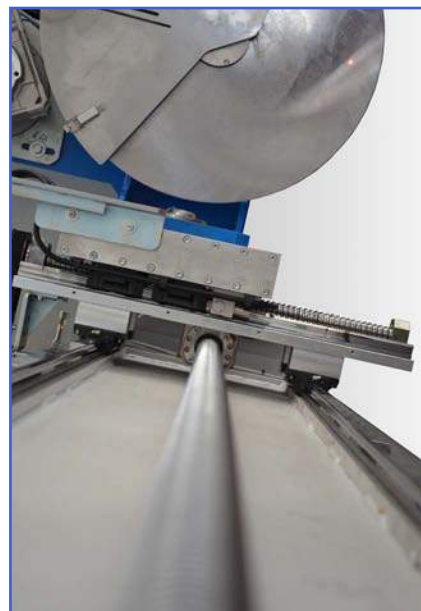
**ADVANCED TOUCH
USER INTERFACE**



**FREE ROLLING
CRADLE**

558 Cradle

The
performance
segment



TECHNICAL FEATURES

	BLADE DIAMETER (mm)	MAXIMUM OD (mm)	OPERATING WIDTH (mm)	INSTALLED POWER (kW)	AUTOMATIC CUTTING ANGLE	SHAFT	WEIGHT (kg)
558 Cr. - 600	600	500	1600 - 3200	10	Standard	3" - 8" Removable	2500
558 Cr. - 800	800	690	1600 - 3200	10	Standard	3" - 8" Removable	3000



- Motorized adjustable free rolling cradle
- Removable shaft, double pneumatic counterpoint on close frame structure
- Comprehensive automation package
- Automatic acquisition of rolls diameter and width
- Full electronic PLC control
- Possibility of saw blade

POWERFULL MASSIVE AND DURABLE



The **556** model represents the performance segment of the market within the IMESA log splitter lineup.

It is a highly reliable and versatile machine, at all levels of application and workload. Especially, when utilized for cutting solid thick rubber.

The main characteristics of the **556** are robustness, a premium automation package, minimized user interaction, outstanding cutting quality, as well as competency in all types of applications. A motorized lateral loader is optionally available for fast and safe material loading and discharge.



ADVANCED TOUCH
USER INTERFACE



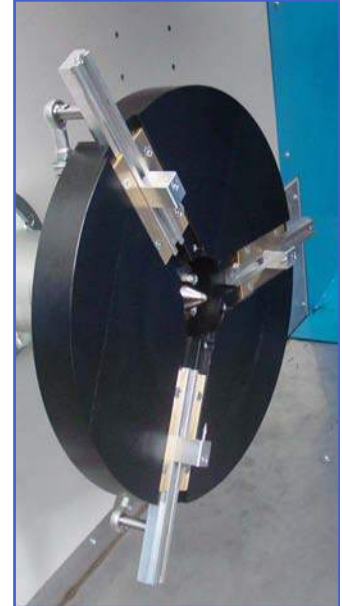
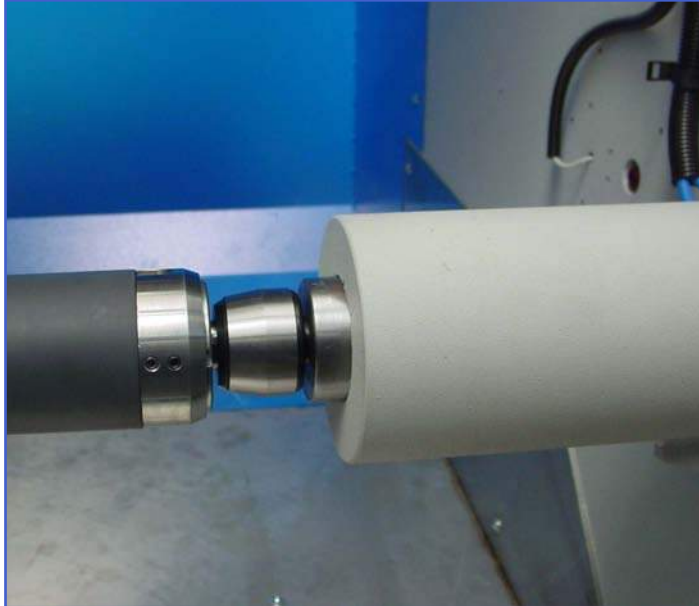
REMOTE
CONTROL PANEL



CEILING
BLADE MOUNTING

556

The performance segment



TECHNICAL FEATURES

	BLADE DIAMETER (mm)	MAXIMUM OD (mm)	OPERATING WIDTH (mm)	INSTALLED POWER (kW)	AUTOMATIC CUTTING ANGLE	SHAFT	WEIGHT (kg)
556 - 500	500	400	1600 - 2200	10	Option	3" - 8" Removable	3000
556 - 600	500 - 600	500	1600 - 2200	10	Option	3" - 8" Removable	3500
556 - 800	800	690	1600 - 2200	10	Standard	3" - 8" Removable	4000

- Programming system driven by PLC: control/setting of all working functions of the machine.
- Displacement and Multi-speed cut setting controlled by BRUSHLESS MOTORS for absolute positioning.
- Adjustable blade angle according to material type/cut dimension.
- Overturned trolley, fixed on the top side for a better maintenance of the slides, in order to avoid contacts with the dust and with the lubrication liquids produced during the cutting process.
- Motorized total safety protection.
- Lubrication system of the blade driven by PLC.
- Tolerance on blade longitudinal positioning +/- 0,1 mm (0,003").
- Installed power starting from 10kW.

HIGH EFFICIENCY, FULL PROCESS AUTOMATION



The IMESA **559** is for those Customers focusing on process optimization and maximized efficiency.

This model implements a completely automatic process including roll loading and unloading.

Three independent cutting heads guarantee improved productivity, while an automatic working cycle enables long operating hours, as no operator is required.

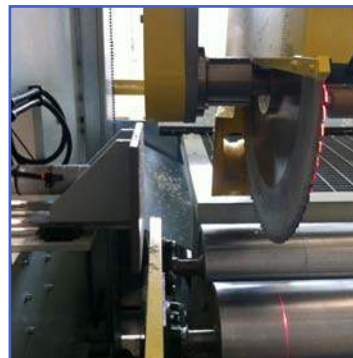
Equipped with a triple saw blade cutting head, the **559** can be utilized for different applications such as films and adhesives.



**3 SAW BLADE
CUTTING HEADS**



**AUTOMATIC LOADING
AND UNLOADING**



**SENSORS SYSTEM
FOR AUTOMATION**



**OUTSTANDING
CUTTING QUALITY**

559

The process segment



TECHNICAL FEATURES

	BLADE DIAMETER (mm)	MAXIMUM OD (mm)	OPERATING WIDTH (mm)	INSTALLED POWER (kW)	AUTOMATIC CUTTING ANGLE	SHAFT	WEIGHT (kg)
559 - 500	500	400	3300	18	✗	✗	3500
559 - 600	600	500	3300	18	✗	✗	3500



- Saw blade.
- Three heads system.
- Comprehensive automation package.
- Automatic acquisition of rolls diameter and width.
- Full electronic PLC control.
- Automatic rolls loading/unloading system.

	54 CE	558	558 - Cradle	556	559
Operating width	1600 - 2200	1600 - 2200	1600 - 3200	1600 - 2200	3300
Touchscreen fully computerized	Standard - 4,3"	Standard - 7"	Standard - 7"	Standard - 7"	Standard - 7"
Standard shaft	3"; Cantilever	3"; Cantilever	3"; Removable	3"; Cantilever	✗
Cantilever / removable shaft	Cantilever	Cantilever / Removable	Removable	Cantilever / Removable	✗
Interchangeable shaft	✗	✓	✓	✓	✗
Available shaft (In)	2" ; 3"	1"; 2"; 3"; 6"; 8"	3"; 6"; 8"	3"; 6"; 8"	✗
500 mm saw blade	✗	✓	✓	✓	Standard ; 3 heads
360 mm blade	✗	✓	✓	✗	✗
500 mm blade	Standard	Standard	✓	Standard	✗
600 mm blade	✓	✓	Standard	✓	✗
800 mm blade	✗	✓	✓	✓	✗
Laser pointer	✗	✓	✓	✓	Standard
Lateral / Frontal loader	✗	✓	✗	✓	✗
Automatic loading / Unloading procedure	✗	✗	✗	✗	Standard
Automatic angle set up	Manual	Standard	Standard	Standard	✗
Tailstock	Manual	Manual	Pneumatic	Pneumatic	✗
Laser controlled blade Ø	✗	Standard	Standard	Standard	✗

✓ Optional

✗ Not available