

Lindemann™ EtaCut™ II

The scrap shear with highest capacity and usability



FEATURES

The name Metso EtaCut II incorporates the Greek letter η (eta), the technical symbol for efficiency which illustrates the extremely high effectiveness and low life-cycle costs of the Eta product lines. These are reflected in increased processing flexibility, low specific power consumption, enhanced operational reliability and reduced maintenance costs due to the service friendly design.

The new generation features simplified installation and is designed for easier transportation. This includes not only the frame and the box, but also hydraulic pipes, control block, hydraulic unit, and supporting structure. At the same time it reduces assembly times at the site as well as improves maintenance conditions. The EtaCut II utilises 400 Bar Hydraulics.

EtaCut II also provides a more ergonomic work place that allows ideal working conditions and high productivity: The new ergonomic control cabin, in which you find adjustable positions of the screen as well as the control chair, integrated air-conditioning and angled glass for minimized reflections to meet the operator's needs.

BENEFITS



Reliable New Design

- Increased number of gussets: bent, vertical and horizontal
- Increased blade line (500 mm) for easy integration of scrap discharge systems
- Reduced transport dimensions, easier to split into smaller sub-assemblies



Less Energy Consumption

- 15% less energy consumption in comparison to the EtaCut I using Energy efficient 400 bar technology incl. 110 kW drive



Simplified Human Machine Interface (HMI)

- Integrated manual and part catalogue, performance trends, prepared for future service products



Ergonomic control cabin incl. operator chair



Better Maintainability

- Multifunctional maintenance platform

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Technical Data

Model		EtaCut™ 1034-10	EtaCut™ 1034-10	EtaCut™ 1240-10	EtaCut™ 1240-10	EtaCut™ 1240-15	EtaCut™ 1648-15
TD		80-25-20	100-25-20	80-25-20	100-25-20	100-25-30	100-25-30
SLP		500-545-120	500-545-120	500-545-120	500-545-120	500-545-120	500-545-120
Shearing Force	t	1000	1000	1250	1250	1250	1600
Stamper force	t	340	340	400	400	400	480
Blade width	mm	1000	1000	1000	1000	1500	1500
Feed opening (L W H)		8000	10000	10000	10000	10000	10000
	mm	2500	2500	2500	2500	2500	2500
		2000	2300	2000	2300	2300	2300
Height of side ram	mm	800	800	800	800	800	800
Side compression	t	500	500	500	500	500	500
Lid Force	t	545	545	545	545	545	545
Pusher force	t	120	120	120	120	120	120
Driving power	kw	4 x 110	4 x 110	4 x 110	4 x 110	5 x 110	5 x 110
				5 x 110	5 x 110	6 x 110	6 x 110
Production capacities up to	t/h	51	57	50	54	79	71
				54	59	87	84
Dimensions							
Height (shear head)	mm	7480	7480	7570	7570	7830	8230
Height (incl. control cabin)	mm	7450	7450	7450	7450	7450	7450
Length (total)	mm	21450	21450	21660	26040	26040	26040
Width (incl. pump house)	mm	10000	10000	8930	10050	10050	10050
Feeding height	mm	4700	4700	4690	4990	4990	4990

Auxiliary/ Options	
Supports for elevated set up (500mm)	0
Scrap cleaning system	0
Scrap discharge conveyor	0
Remote control - multi function	0
Extra wide lid	0
Oil reservoir heater	0
Increased cooling capacity (temps over 40 °C)	0
Cold weather package (temps to - 40 °C)	0
AC for electrical panels (ambient conditions over 35 °C)	0
Customer specific design requirements	0

Shear frame and blade slide	
Robust shear frame design	X
Adjustable V-guides for blade slide	X
Large window frame design bladeslide	X
Rapid motion control for stamper and shear cylinder	X
Fully guided hydraulic stamper	X
Massive blade seat forging	X
Breaker bar on bladeslide	X
Hydraulic blade tensioning device	X
Automatic lubrication of the entire shear	X
Supporting table / chute for scrap discharge	X
Blade-changing platform	X
Lindur replaceable liners	X
Press Box	
Robust construction with side compression and compression wing	X
Three dimensional pre-compression functions	X
Overstroke of the lid and side ram	X
Mechanical synchronising of the side ram	X
Bolted wear plates made from Lindur	X
Full length pusher cylinder enclosure	X
Replaceable split front wear plates of the feeding pusher	X
Integrated pre-feeding hopper (feeding during cutting process)	X
Supporting structure	X
Support for concrete pier foundation	X

Hydraulic system	
400 bar operating pressure for increased efficiency	X
Oil transfer between stamper- and shear cylinder	X
Single manifold with cartridge valves	X
Shearing shock relief dampening	X
Submerged pumps for quiet operation	X
Low-vibration support of drive units	X
Preformed high pressure piping	X
Oil filtering and cooling in the bypass circuit	X
Oil / air cooler	X
Electric Drive	X
Electrical system	
Advanced PLC controls with HMI and multiple screens	X
Magnetostrictive position monitoring of cylinders	X
Laser controlled pusher cylinder travel	X
Relative stroke and partial stroke control of blade slide and stamper	X
Nine pre-set operating modes	X
Pump test / cylinder test modes	X
Premium control cabin (approx. 2 m 2 m) with AC/heat	X
Ergonomic chair with shear controls	X
Internet connection for remote access	X

X=Standard O=Optional