



Forest Cut Line is the range of combined saw/split machines for firewood designed and constructed by Gandini Meccanica. Safe, powerful, highly productive, Forest Cut is a work centre for firewood that, thanks to the innovative solutions applied, assures high productivity.



All operations made on the work centres of the Forest Cut Line are hydraulic, electronically controlled both in the functional and safety stage. The powerful log splitter with variable speed automatically changes speed according to the splitting effort. The power absorption of the work centres is really minimal thanks to the chain cutting system. The saw chain lubrication is fully automatic.

Very safe thanks to protection of all moving parts, all guards are electronically controlled. The Forest Cut line consists of two models that differ in cutting performance and productivity.

INNOVATIVE LINE OF WORK CENTRES FOR FIRE WOOD,
FEATURING HIGH PRODUCTIVITY AND THE UTMOST SAFETY.

FORESTCUTLINE

FORESTCUTLINE | 48



FC 48

FOREST CUT 48 IS A POWERFUL WOOD WORK CENTRE THAT CHANGES SPEED ACCORDING TO THE SPLITTING EFFORT

Forest Cut 48 is a combined saw/split machine for firewood that assures high productivity. All work operations are electric-hydraulic, easily carried out from the control panel.

The chain cutting system reduces power absorption to the minimum. The winch assures easy opening, closing and adjustment of the belt unloading the logs, which may be closed so the machine falls within the permissible shape limitations for road travel. Cutting saw maintenance is easier, and the log length measurement system has also been optimised, being fully adjustable and automatically moving while the saw operates in order not to cause impediments to dropping the cut log.

The splitting thrust is very powerful. The splitting blades are hydraulically adjustable in height based on log diameter, and may be easily replaced. The hydraulic log feeding system (optional), assures work continuity and high productivity.



6-Parts split-blade (optional)



Optional

Also available in the AUTO version with the electrical controls kit (as optional). It consists of an automatic wood tipping surface to prevent the log from crossing over to the splitting tank, an electronically controlled hydraulic presser, a 7-function electronic manipulator from which all machine functions may be controlled and a laser cutting length adjustment system.



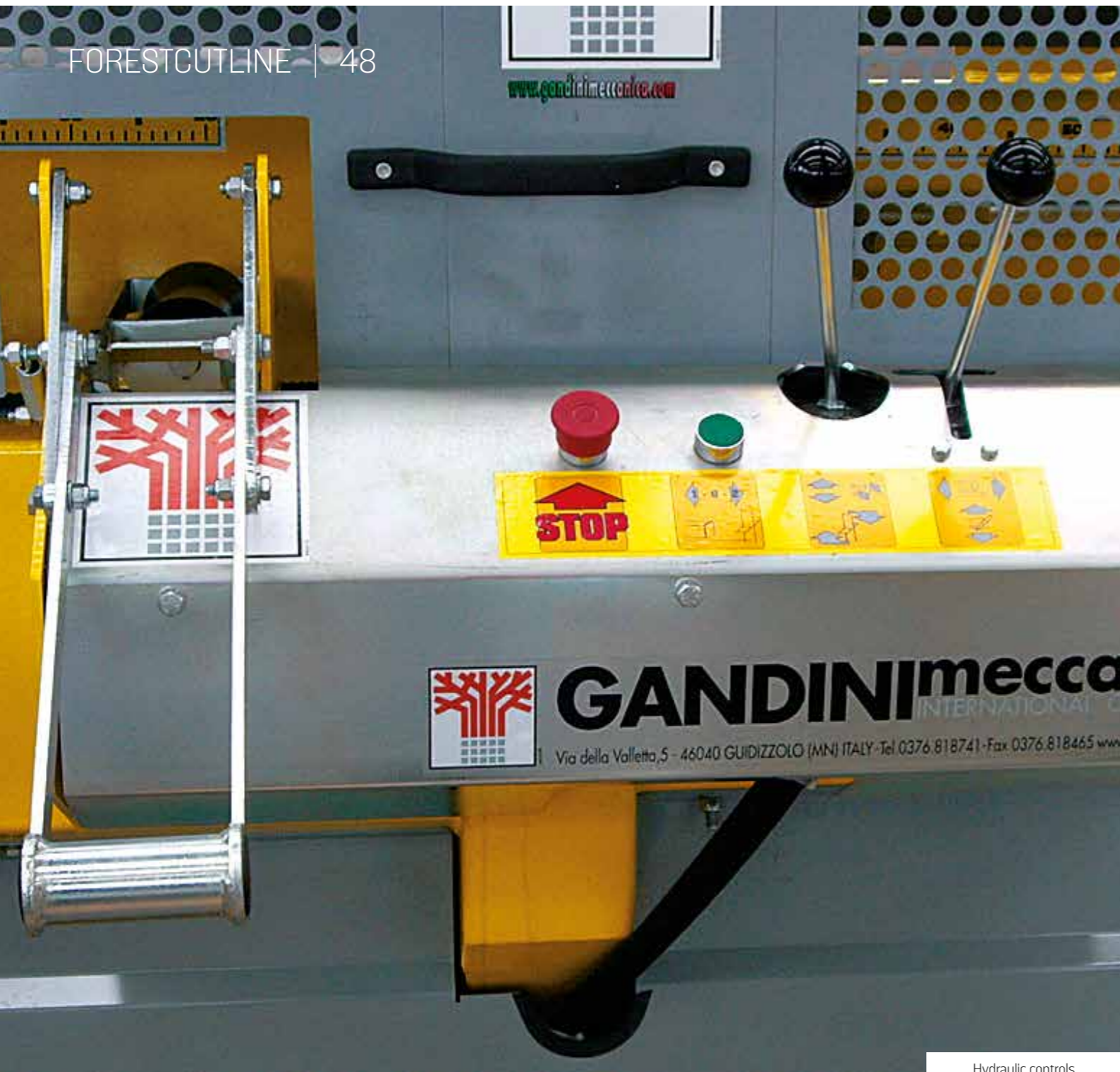
Return to 2 speed – quick return



Chain maintenance



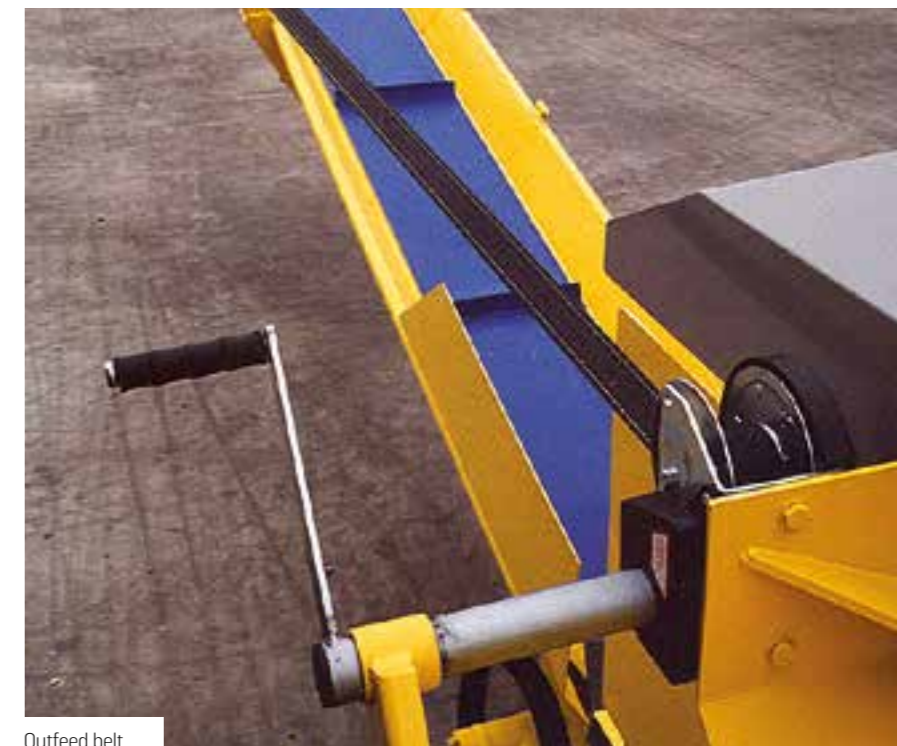
Hydraulic log magazine plane



Hydraulic controls

FEATURES

- The log enters the hydraulic conveyor belt; the operation is controlled by the operator both on infeed and in reverse.
- The overall dimensions of the machine fall within the shape permitted by law for road use.
- The log feeding system (optional) assures work continuity and high productivity.
- The wood splitting blades may be replaced and hydraulically adjustable based on log diameter.
- All work operations are electrical-hydraulic and easily carried out from the control panel.



Outfeed belt



Transport overall dimensions



FORESTCUTLINE 48

FC 48

HOURLY PRODUCTION	n°	2000+3000
MAX WOOD LENGTH	mm	4500
CUTTING WITH CHAIN SAW TYPE		0,325"/72 18"
SPLITTING	t	13
SPLITTING WEDGE		2-4 (6)
MAX WOOD DIAMETER	mm	380-400
ADJUSTABLE PIECE LENGTH	mm	150-650
MIN. POWER OF THE TRACTOR	cv	35
ELECTRICAL MOTOR POWER	kw	11
CONVEYOR LENGTH	mm	4200
MACHINE WEIGHT	kg	930
SHIPPING DIMENSIONS	mm	2500x1200x2500
LOG MAGAZINE PLANE		Oprional
HYDRAULIC CONTROLS		Standard
ELECTRICAL MOTOR		Oprional



The Biomatch line consists of hammer shredders and offers a range of four models for shredding plant waste of various kinds and bulky items at large landfills, waste separation and recycling areas and private firms. The use of these professional hammer shredders affords extremely high volume reduction with very low processing times.



The main distinctive feature of the **Biomatch range of hammer shredders** produced by Gandini Meccanica is the heavy hammer shredding system, fitted with self-sharpening profile, which assure 800 hours of perfect shredding with no intervention (only for series 81 and 85). The **CTP** electronic device fitted (as an optional on the 81 and 85 series) on the versions of this range of bio-shredders is fully programmable and, according to the rotation speed of the rotor, it automatically adjust wood feeding by solenoid valve. Placed in a vibration-protected box, it is paired with an hour counter for clocking operation time of the shredding machine (as optional on series 81 and 85).

On all machines of the Biomatch range the controls of hydraulic operations are fully electronic to assure better precision and greater general safety.

RANGE OF MACHINERY DESIGNED FOR GRINDING PLANT WASTE.
MAXIMUM WORK YIELD AND MINIMUM NOISE LEVEL.

BIOMATCHLINE

BIOMATCHLINE
81 | 85 | 89 | 91



Feeding chute



Hydraulic system

BIOMATICHLINE 81 | 85

HIGH PRODUCTIVITY HAMMER SHREDDER RANGE, IT MAKES IT POSSIBLE TO SHRED VERY BULKY AND UNEVEN MATERIAL, ASSURES UP TO 800 HOURS SHREDDING WITH NO SERVICING.

The special rotor design of this range of hammer shredders, assures optimal throw with wet material (leaves, grass etc.).

The special self-sharpening profile and casting with 12 components assure 800 hours of perfect shredding with no maintenance operation.

The conveyor chain and feeder roller assure high machine productivity and safe feeding of any type of material, including very irregular in shape and bulky.

The innovative gauging system which entails no grids on outfeed, but variable counter hammers, fitted on all models, assures perfect shredding of the loaded material, and eliminates all clogging issues arising from shredding wet or resinous material.

The BIOMATICH range is fitted with heavy hammers, which not only makes it unique in its category, but also assures perfect shredding of branches and twigs as well as medium-sized logs.

All controls and operations are carried out with solenoid valves and assisted by CTP (NOSTRESS).



BT81TPS

BIOMATICHLINE 75



Crawler version



BT 85 toothed chains

The TPS version of this range of hammer shredders is ready to be applied to the hydraulic lifter of any type of tractor, driven through the PTO shaft supplied. (optional drawbar and towing wheels). Compact in size, the tractor models may even be used in sites where passages are narrow.

The MTS version of this range of hammer shredders is equipped with its own engine, rigid axle and wheels, and is ready to be towed by any type of truck, on which the shredded material may be conveyed directly. The MTS versions may be equipped with height-adjustable drawbar and axle suspension for towing at 80km/h (optional), with head on turntable to position the feeding hopper in the most convenient position, turning 360°.

FEATURES

- Heavy hammers
- Shredding even medium sized logs
- Set of variable counter hammers
- Hammer pins in 38ncd4 steel with service life over 3000 hours
- Hydraulic system independent from the tractor
 - Double drive roller
 - Oversized rotor bearings
- All controls are electrical-hydraulic

- Dynamically balanced shredding rotor
- Extra thick steel structure
- Galvanised safety and control bar
- Flexible outfitting, on crawler, roll-off, wheelbarrow or with axle and drawbar.

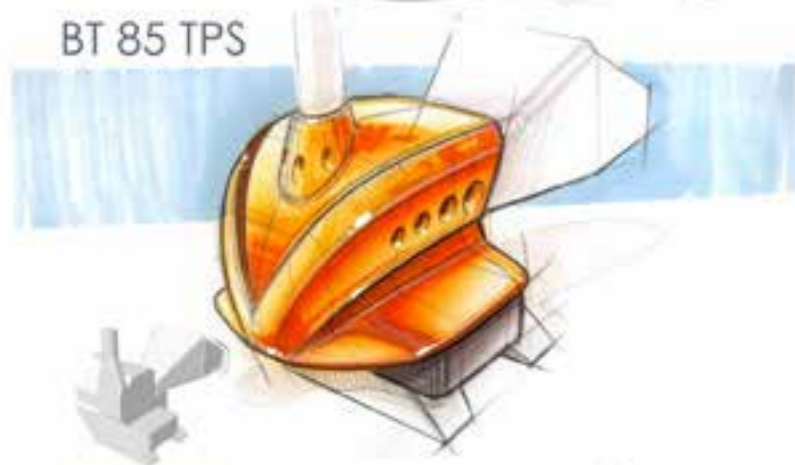


BT85TPS

BT 85 MTS



BT 85 TPS



BT 85 MTS



BIOMATICHLINE 81 | 85

		81 TTS	81 MTS	85 TTS	85 MTS
TRACTOR POWER	cv	35-70 cv	/	50-100	/
ENGINE POWER	cv(kW)	/	28(20)	/	50(36)
NUMBER OF CYLINDERS	n°	/	3	/	4
ROTOR WIDTH	mm	250 mm	250 mm	400 mm	400 mm
NUMBER OF HAMMERS	n°	10	10	15	15
HAMMER WEIGHT	kg	2 kg	2 kg	2 kg	2 kg
HOURLY PRODUCTION	n°	15 MTC	15 MTC	25 MTC	25 MTC
MAX WOOD DIAMETER	mm	100-120 mm	100-120 mm	120-140 mm	120-140 mm
SHIPPING MEASUREMENTS	mm	1800x1200x1550 mm	2800x1550x1750 mm	1800x1300x1550 mm	2800x1850x1750 mm
MACHINE WEIGHT	kg	650 kg	950 kg	1200 kg	1450 kg
360° CHIP EJECTION		standard	standard	standard	standard
REVOLVING CHUTE		/	standard	/	standard
C.T.P. DEVICE		optional	optional	optional	optional
HOURLY COUNTER		optional	optional	optional	optional
ANTINOISED ENGINE		/	standard	/	standard
LIGHTS SYSTEM		optional	optional	optional	optional
STEEL INFEED BELT		/	/	standard	standard