

01 Pet Perforator

Air and liquids that are present inside the PET bottles pose an obstacle during the baling process. In order to remove this obstacle and boost the baling efficiency, our PET perforator machine perforates and scratches the PET plastics so the air and liquids are flowed out thus a higher yield is achieved during baling process.



03 Touch Screen PLC Automation

Siemens products, supported with Profinet communication, are used in automation system infrastructure. 12" Siemens industrial touch screen provides a user friendly interface with visual elements that eases the handling of the operator. Thanks to pressure regulation function offered by the screen, pressure of the "Jaw" and "Ram" can be traced. Furthermore maintenance and servicing time can be decreased by using error diagnostics and maintenance tabs. Pizzato / Siemens safety products are used within the system to both trace potential risks and to take required precautions.

02 Flap Mechanism

Flap mechanism generates additional pressing force during baling process and thus directly boosts the baling efficiency. Baler knives are exposed to less force and thus their durability is increased. Moreover, it decreases the baling time and increases weight of the bales by approximately 11 per cent.

04 Wire Feeder/ Twister Cutter Mechanisms

Standard and reliable bale wiring is achieved with the help of these systems that play a key role in rigid forming of bales. Even amount of wiring for each bale guarantees equal intervals, even load-bearing, and less wire consumption.



LX120FLP 120 TON HORIZONTAL BALE PRES WITH FLAP MECHANISM

Ram Force	: 120	ton
Drive Motor	: 55	kw
Bale Dimensions	: 1100x1030	mm
Capacity (OCC)	: 15,5	tph
Capacity (PET)	: 13	tph
Capacity (Capacity)	: 21	tph
Number of Wires	: 5	wired
Oil Tank Capacity	: 1200	litre
Feed Hopper Width	: 1600	mm
Wire Thickness	: 3-3,5	mm
No Load Cycle Time	: 16	sec
Baler Weight	: 21500	kg

LX90FLP 90 TON HORIZONTAL BALE PRES WITH FLAP MECHANISM

Ram Force	: 90	ton
Drive Motor	: 55	kw
Bale Dimensions	: 1100x850	mm
Capacity (OCC)	: 11,5	tph
Capacity (PET)	: 10	tph
Capacity (Capacity)	: 15	tph
Number of Wires	: 4	wired
Oil Tank Capacity	: 1200	litre
Feed Hopper Width	: 1600	mm
Wire Thickness	: 3-3,5	mm
No Load Cycle Time	: 16	sec
Baler Weight	: 20500	kg

LX120 120 TON HORIZONTAL BALE PRES

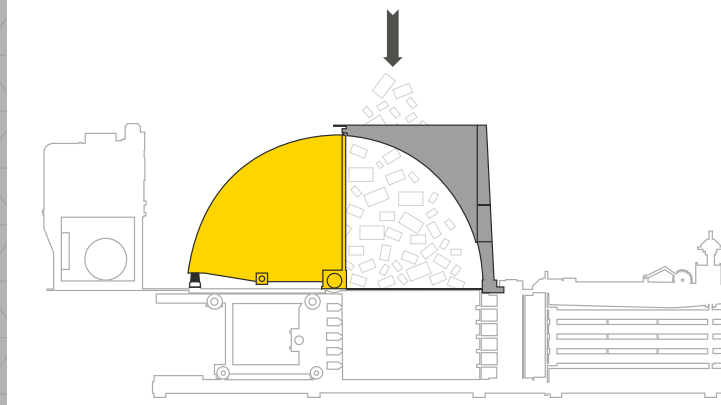
Ram Force	: 120	ton
Drive Motor	: 55	kw
Bale Dimensions	: 1100x1030	mm
Capacity (OCC)	: 14	tph
Capacity (PET)	: 12	tph
Capacity (Capacity)	: 19	tph
Number of Wires	: 5	wired
Oil Tank Capacity	: 1200	litre
Feed Hopper Width	: 1600	mm
Wire Thickness	: 3-3,5	mm
No Load Cycle Time	: 16	sec
Baler Weight	: 18500	kg

LX90 90 TON HORIZONTAL BALE PRES

Ram Force	: 90	ton
Drive Motor	: 55	kw
Bale Dimensions	: 1100x850	mm
Capacity (OCC)	: 10	tph
Capacity (PET)	: 9	tph
Capacity (Capacity)	: 13,5	tph
Number of Wires	: 4	wired
Oil Tank Capacity	: 1200	litre
Feed Hopper Width	: 1600	mm
Wire Thickness	: 3-3,5	mm
No Load Cycle Time	: 16	sec
Baler Weight	: 17500	kg



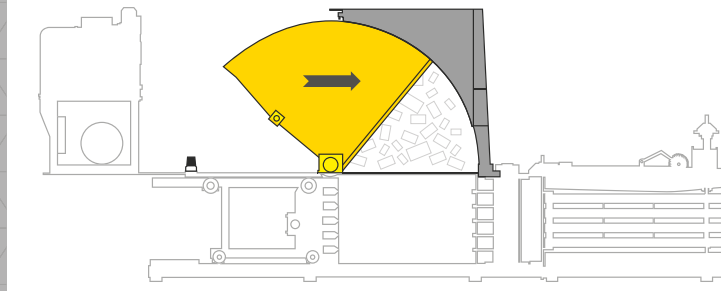
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FLAP MECHANISM WORKING PRINCIPLE

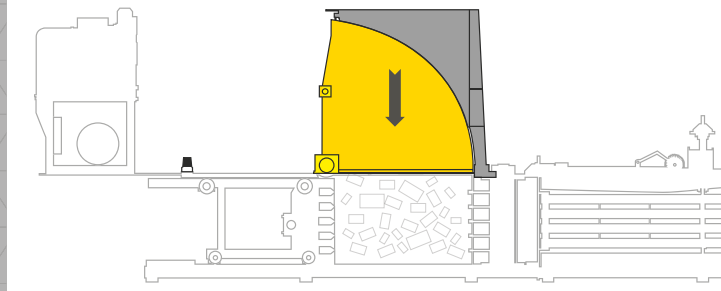
STEP 01

Materials are fed to chamber when the flap system is inactive. Integrated sensors trace the level of the material inside the chamber.



STEP 02

Hydraulic Flap mechanism becomes active when oil pumps force pressure oil to the system.



STEP 03

Thanks to the oil pressure pumped into the the system, speed and pressure of the pistons are controlled and materials are baled.

- 1 Hydraulic Unit
- 2 Flap Mechanism (Hydraulic)
- 3 Pet Perforator Unit (Hydraulic & Mechanic)
- 4 Bale Cutter Blade
- 5 Wire Feeder Mechanism (Hydraulic)
- 6 Compacting Chamber (Hydraulic)
- 7 Wire Twisting Mechanism (Hydraulic & Mechanic)
- 8 Service Hatches
- 9 Ram Force Mechanism (Hydraulic)
- 10 Covers



We provide products and service that are always one step ahead.



IMT Innovative Machine Technology, based in Austria, develops, manufactures and sells separation systems for waste disposal and waste management companies. The company combines years of experience in the field with cutting edge technical developments. With this forward-thinking company structure, a dynamic management team and state-of-the-art design IMT anticipates tomorrow's demands today.

Our motto is simple and the result of much hard work: We provide products and service that are always one step ahead.



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WORLD CLASS BALING TECHNOLOGY

HIGH PERFORMANCE IN HARSH CONDITIONS

It works at high performance with 90 Tons and 120 Tons power options, and handles challenging work easily with its flap mechanism option.



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- 02 Flap Mechanism
- 03 Touch Screen PLC Automation
- 04 Wire Feeder/ Twister Cutter Mechanisms

