

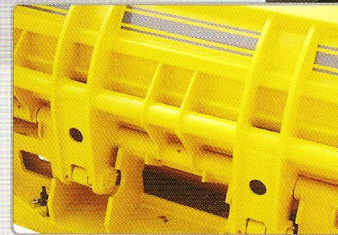
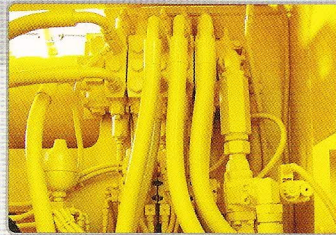
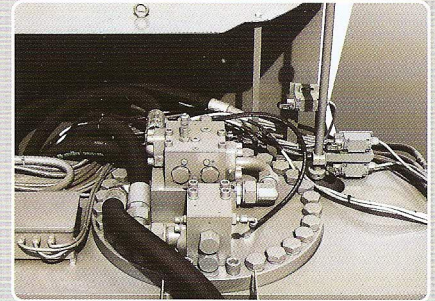
AUTOMATIC SHEAR BALERS

Automatic shear balers

COLMAR shear balers are used as compactors in the car crushing industry, for the recovery of waste from industrial processes and in the recycling industry.

For the same purposes they can also be used in the shear mode.

the automatic cycle for compacting and cutting makes these machines particularly efficient for the processing of scrap materials.



Radio remote control with automatic function

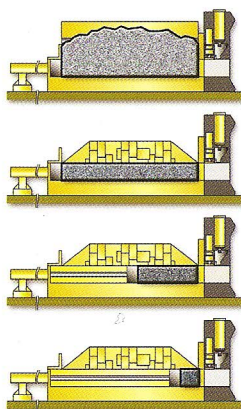
After the loading, the machine can work in the automatic cycle made for compacting or cutting sequences and can be controlled with the radio remote control.

This device is essential when the operator sits on a separate loader to feed the baler/shear baler.

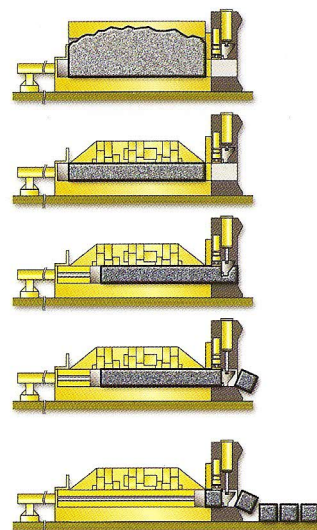


AUTOMATIC SHEAR BALERS

Baler mode

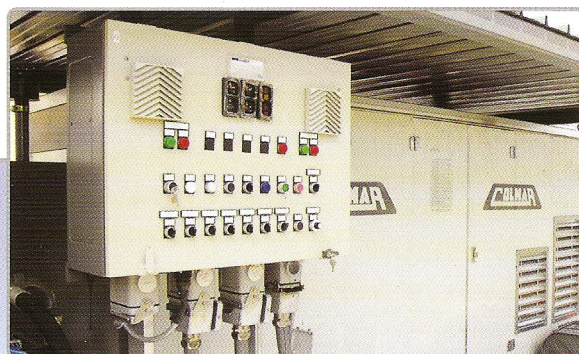


Shear mode



Automatic sequence of shearing:

- Bailing
- Movable wall opening
- Material stopped by blocking sheet head
- Shearing at pre-set length
- Pusher retraction
- Doors opening
- Rpm reduction to minimum



The machine, in baler mode, pushes out the bale, through the hydraulic bulkhead, at the end of the compaction cycle

The shearing function makes it possible to cut materials that are difficult to compact, such as metal rods, rails, pipes and metal girders into small pieces.

The compaction, baling and cutting-to-size of waste materials allows the drastic reduction of transport and storage costs.

Diesel engine:

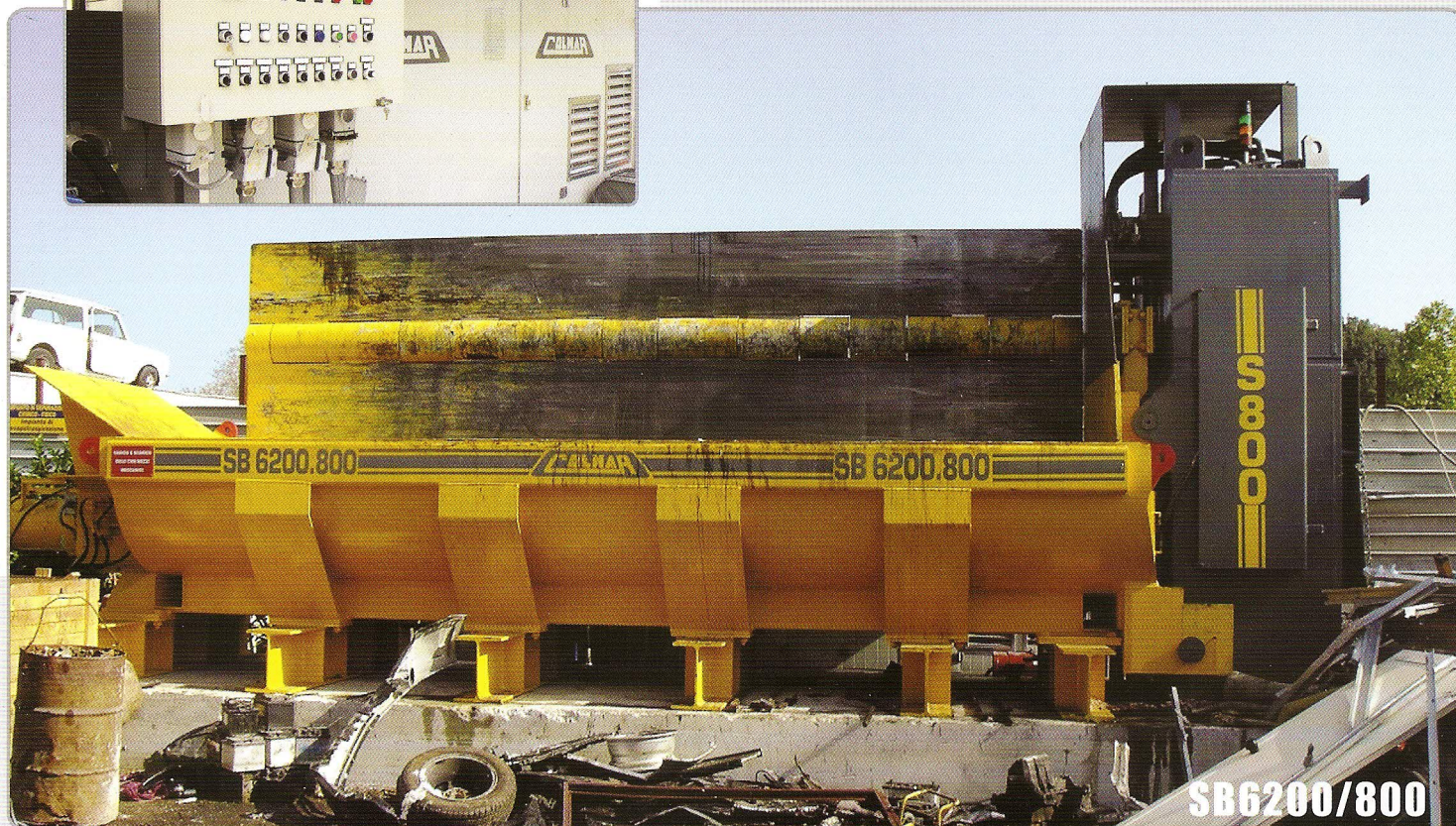
4-stroke diesel, direct injection, turbocharger and intercooler, liquid cooling, assembled on anti-vibration supports, sound insulated engine compartment.

Hydraulic system:

Distribution blocks with electrically operated logical valves and re-generating function on the shear operation.

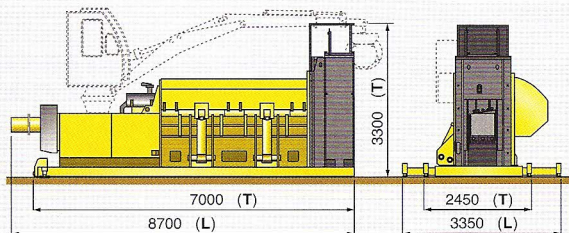
Structure materials:

- Structure in Weldox® 700-T1 A
- Box in abrasion resistant steel Hardox® 450
- Shear structure Fe 510 C
- Shear blades 45NiCrMoV16

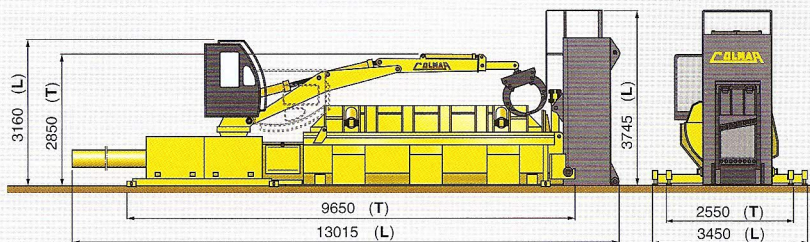


AUTOMATIC SHEAR BALERS

SB3000/400

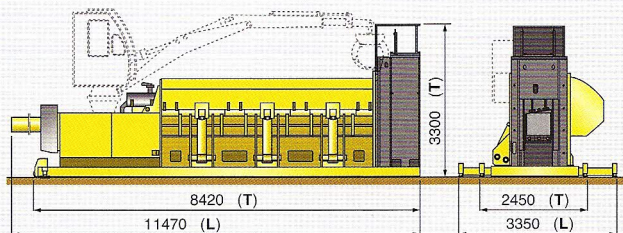


SB5000/700

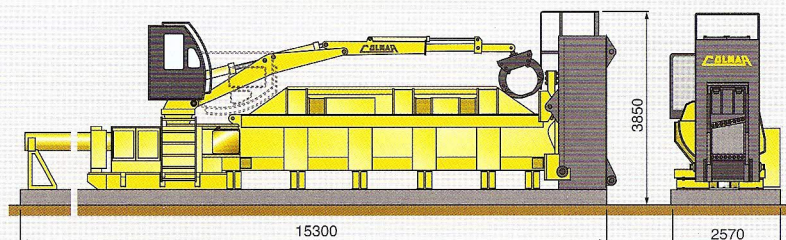


(T) = transportation configuration
(L) = working configuration

SB4500/400



SB6200/800R



SB3000/400

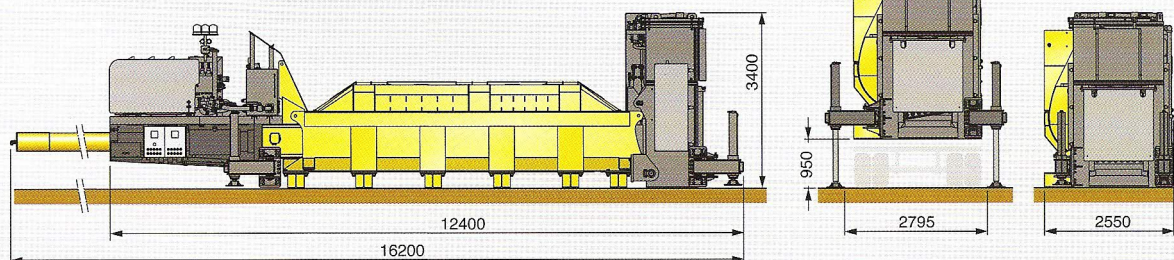
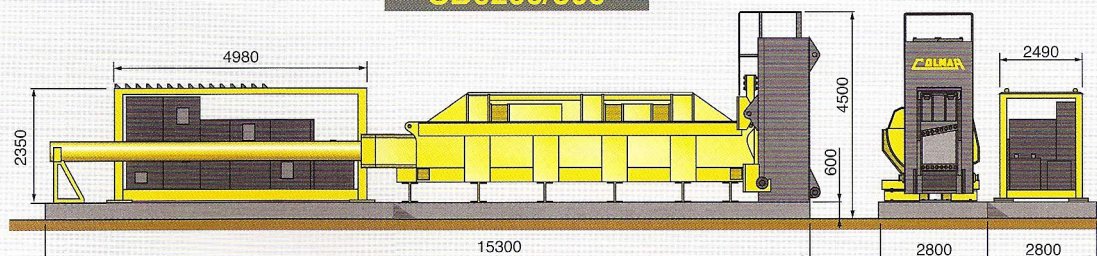
SB4500/400

Operating characteristics			
Max force 1. and 2. door		100 ton/each	150 ton/each
Max force pushing piston		105 ton	105 ton
Dimension of baled material		460 x 460 mm	460 x 460 mm
Output (*)		3,0 - 7,0 ton/h	4,0 - 8,0 ton/h
Max shear force		400 ton	400 ton
Shear output (*)		3,0 - 6,0 ton/h	3,0 - 6,0 ton/h
Average fuel consumption		10,0 lt/h	10,0 lt/h
Technical specification			
Baler weight		16.000 kg	21.500 kg
Shear weight		7.000 kg	7.000 kg
Hydraulic unit weight		included on the baler	included on the baler
Total weight of the machine		23.000 kg	28.500 kg
Length of container		3.000 mm	4.500 mm
Structure		S355J2G3	S355J2G3
Container		Hardox® 400	Hardox® 400
Shear structure		S355J2G3	S355J2G3
Cutting blades		45NiCrMoV16	45NiCrMoV16
Diesel engine		turbo-charged direct injection	turbo-charged direct injection
Engine power		106 kW - 2200 Rpm	106 kW - 2200 Rpm
Number of cylinders/cubic capacity		4 / 4400 c.c.	4 / 4400 c.c.
Engine cooling system		cooling liquid	cooling liquid
Hydraulic system valves		6 way control valve	6 way control valve
Operating pressure of the hydraulic system		240 bar / 280 bar	240 bar / 280 bar
Hydraulic oil cooling system		air/oil cooler	air/oil cooler
Cutting blade length		550 mm	550 mm
Shear greasing system		automatic	automatic
Hydraulic oil tank capacity		500 L	580 L
Hydraulic oil circuit total capacity		700 L	750 L
Fuel tank capacity		190 L	190 L
Accessories			
Standard		IB - ACC - BS - AG	IB - ACC - BS - AG
Optional		LC - AV - RC - R - LBA WH - ES - EE (90 kW)	LC - AV - RC - R - LBA WH - ES - EE (90 kW)

LBA = Loading boom arm (weight 2500Kg), RC = Remote control, ACC = Automatic compacting cycle, P = Pre-loading, R = Radio, AG = Automatic greasing system, EE = Electric engine, PWR = Covered Power unit, ES = Electric hydraulic oil heating system, IB = I beam for fixation on basement.

(*) The output values may vary depending on the properties of the material treated and working conditions.

AUTOMATIC SHEAR BALERS

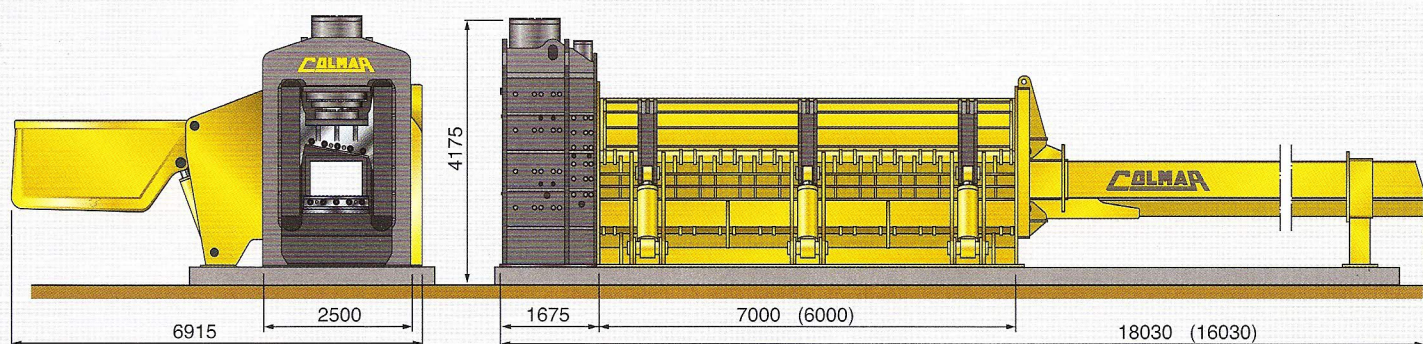
SB6200/800 MOBILE

SB6200/800


SB5000/700	SB6200/800R	SB6200/800 MOBILE	SB6200/800
175 ton/each	260 ton/each	285 ton/each	260 ton/each
170 ton	170 ton	170 ton	170 ton
860 x 640 mm	860 x 640 mm	860 x 640 mm	860 x 640 mm
10,0 - 14,0 ton/h	9,0 - 16,0 ton/h	10,0 - 11,0 ton/h	9,0 - 16,0 ton/h
700 ton	800 ton	800 ton	800 ton
7,0 - 9,0 ton/h	8,0 - 10,0 ton/h	8,0 - 10,0 ton/h	8,0 - 10,0 ton/h
12,0 lt/h	12,0 lt/h	12,0 lt/h	12,0 lt/h
26.500 kg	40.000 kg	39.000 kg	33.000 kg
19.000 kg	19.000 kg	19.000 kg	19.000 kg
included on the baler	included on the baler	included on the baler	5.000 kg
45.500 kg	59.000 kg	58.000 kg	57.000 kg
5.000 mm	6.200 mm	6.200 mm	6.200 mm
S355J2G3	S355J2G3	S355J2G3	S355J2G3
Hardox® 450	Hardox® 450	Hardox® 450	Hardox® 450
S355J2G3	S355J2G3	S355J2G3	S355J2G3
45NiCrMoV16	45NiCrMoV16	45NiCrMoV16	45NiCrMoV16
turbo-charged electronic injection	turbo-charged electronic injection	turbo-charged electronic injection	turbo-charged electronic injection
129 kW - 2200 Rpm	129 kW - 2200 Rpm	129 kW - 2200 Rpm	129 kW - 2200 Rpm
6 / 6000 c.c.	6 / 6.000 c.c.	6 / 6.000 c.c.	6 / 6.000 c.c.
cooling liquid	cooling liquid	cooling liquid	cooling liquid
BOSCH/RR manifold	DENISON manifold	DENISON manifold	DENISON manifold
240 bar / 270 bar	240 bar / 270 bar	240 bar / 270 bar	240 bar / 270 bar
air/oil cooler	air/oil cooler	air/oil cooler	air/oil cooler
950 mm	950 mm	950 mm	950 mm
automatic	automatic	automatic	automatic
800 L	1000 L	1000 L	1000 L
1400 L	1600 L	1600 L	1600 L
190 L	190 L	250 L	190 L
IB - ACC - BS - AG	ACC - BS - AG	ACC - BS - AG	PWR - ACC - BS - AG
P - RC - R - LBA - AC	P - RC - R - LBA - AC	P - RC - R - LBA - AC	P - RC - R - LBA - AC
WH - ES - EE (132 kW)	WH - ES - EE (132 kW)	WH - ES - EE (132 kW)	WH - ES - EE (132 kW)

WH = Hydraulic oil heating system, AC = Air conditioner, LC = 4 lifting cylinders, AV = Application on vehicle, BS = Blocking sheet,

AUTOMATIC SHEAR BALERS

EAGLE 1000



EAGLE 1000

Operating characteristics

Max force 1. and 2. door	480 ton/each
Max force pushing piston	180 ton
Blocking sheet force	170 ton
Dimension of baled material	900 x 600 mm
Density of baled material (*)	900 - 1500 kg/mc
Max shear force	1000 ton
Shear output (*)	24,0 - 50,0 ton/h

Technical specification

Total weight of the machine	155.000 kg
Length of container	7.000 mm
Baler structure	S355J2G3
Container structure	Hardox® 450
Shear structure	S355J2G3
Cutting blades	45NiCrMoV16
Motors type	no.3 electric motors VEM/SEIPEE
Motors power	396 kW (3 x 132 kW) - 1500 Rpm
Power supply	Voltage: 380/480 V - 50/60 Hz
Engine cooling system	forced air cooling circuit in the motors
Hydraulic system valves	DENISON distributing block
Operating pressure of the hydraulic system	250 bar / 350 bar
Hydraulic oil cooling system	air/oil cooler
Cutting blade length	1100 mm
Shear greasing system	automatic
Hydraulic oil tank capacity	7500 L
Hydraulic oil circuit total capacity	8500 L

Accessories

Standard	RC - HB - ACC - AG - EE - P
Optional	LBA - WH - AC - R - CTR

LBA = Loading boom arm (weight 2500Kg), RC = Remote control, HB = hydraulic bulk, ACC = Automatic compacting cycle baler + shear, P = Pre-loading, R = Radio, AG = Automatic greasing system, EE = Electric engine, WH = Hydraulic oil Webasto heating system, AC = Air conditioner, CTR = Telematic remote control.

(*) The output and bale density values may vary depending on the properties of the material treated and working conditions.