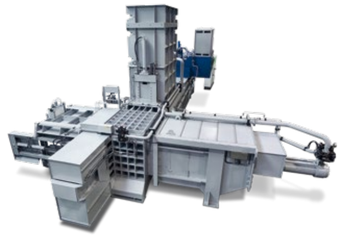
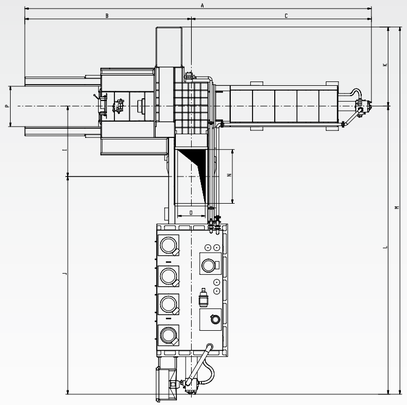
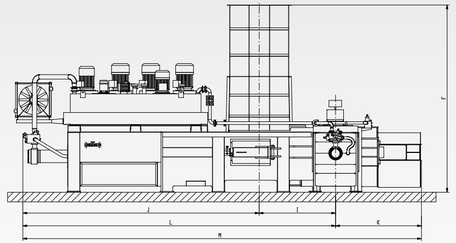
TWIN RAM BALERS OF THE SERIES UPAMAX®

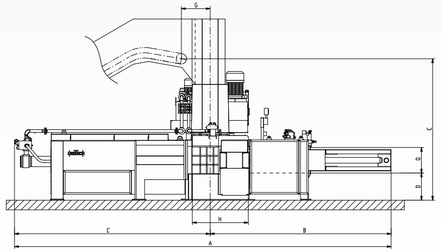
SPECIFIED PURPOSE

- Materials recycling facilities (MRF)
- Refuse recycling facilities
- Production sites for animal feed
- Collecting facilities for refuse and garbage
- Special installations









DIMENSIONS	230/80 TC	230/110 TC
A	11.800	11.800
B	5.670	5.670
C	6.130	6.130
D	600	600
E	4.200	4.500
F	5.400	5.700
G	900	900
H	1.100	1.100
I	2.390	2.390
J	7.400	7.400
K	2.700	2.700
L	9.790	9.790
M	12.450	12.490
N	1.900	2.000
O	1.020	1.020
P	1.400	1.400
Q	800	1.100

subject to changes in design and dimensions!

TECHNICAL DATA

UPAMAX	230/80 TC		230/110 TC	
Type (pressing force)	2300 kN (235 t)		2300 kN (235 t)	
Specific pressure	240 N/cm²		175 N/cm²	
Reference pressure	315 bar		315 bar	
Tunnel section (height x width)	80 x 120 cm		110 x 120 cm	
Hopper opening (length x width)	190 x 102 cm		200 x 102 cm	
Number of ties	adjustable		adjustable	
Rated power main drive	3 x 55 kW	3 x 75 kW	2 x 75 kW	3 x 75 kW
Massflow at input density				
40 kg/m³	12 t/h	14 t/h	16 t/h	18 t/h
80 kg/m³	24 t/h	27 t/h	29 t/h	33 t/h
150 kg/m³	38 t/h	41 t/h	42 t/h	50 t/h
Bale weight*	400 - 700 kg		570 - 1100 kg	
Total weight	approx. 60 t		approx. 65 t	

* depending on input density and main drive
The table shows a selection of the possible drive powers. Other drive configurations possible.

subject to changes in design and dimensions!

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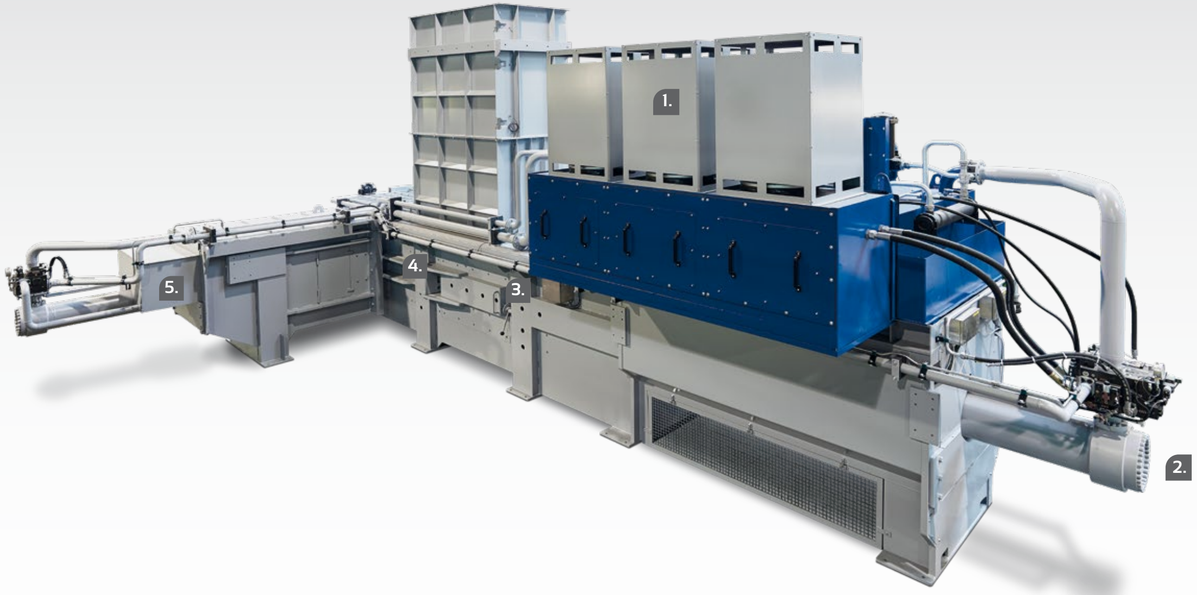
UNOTECH®. INNOVATION DRIVEN BY EXPERIENCE.

Twin Ram balers

TWIN RAM BALERS OF THE SERIES UPAMAX®

UNOTECH® LM GROUP



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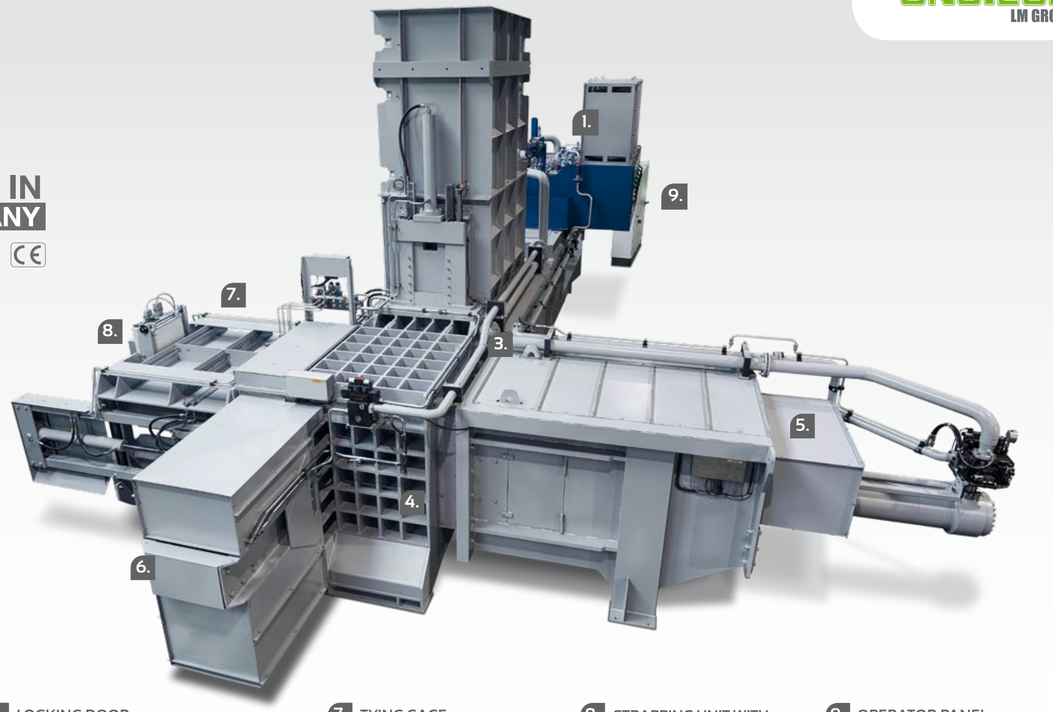

1. POWER PACK

- Highly efficient robust baler main drive with axial piston pumps
- Design pressure 400 bar
- Working pressure 320 bar
- Completely encapsulated and sound-proof pump unit with optimum access to the main pumps
- Shortest response and adjusting times for the main pumps by servo-adjustments
- Consideration of all basic legal information regarding water protection

2. MAIN CYLINDER

- Main cylinder of welded design
- Optimum access to the sealing package in case of any overhaul works
- All design parameters adapted to a multiple working pressure
- Long-lasting sealing elements at best guiding and sealing properties to accept high off-centre loads
- Fully encapsulated digital absolute position measuring system
- Rear flanging of the main cylinder saving removal / installation time of the cylinder

3. MAIN RAM

- All wear protection for all press plate contact surfaces
- Easy disassembly of all wear parts by using through bolts
- Cassette type front roller guidings for simple disassembly and inspection work
- Heavy roller guiding as well as sliding guides for press plate

4. PRESS CHAMBER

- Optimun access to the press-box through large lateral maintenance doors
- Size of the maintenance doors sufficiently dimensioned for a lateral disassembly of press plate
- Fully wear protection of all contact surfaces due to complete planking with bolted wear plates
- Distorsion-proof and statically oversized design of the baler body and the press-box for accepting high off-centre loads

5. EJECTOR

- Powerful ejector drive with centrally mounted bolted guiding frame for accepting asymmetric loads during the ejection of the bales
- Ejector drive designed for multiple pump operation therefore higher cycle times possible

6. LOCKING DOOR

- Locking door opens in the main compacting direction of the press which is practically excluding a machine stall even in the case of the most compact and heaviest materials
- Door guiding rails fully encapsulated ensuring a jamming-free operation

7. TYING CAGE

- Tying cage with laterally arranged automatic feed for positioning the bale to the strapping unit
- Selection of number of straps stepless possible
- Emptying of the whole baler possible at any time
- Maintaining the bale density without any cross section expansions in discharging section
- Separate hydraulic pump drive to achieve shortest cycle times

8. STRAPPING UNIT WITH UNREELING DEVICE FOR STRAP COILS

- Robust strapping unit suitable for all available types of strap
- Tensioning force and strapping force stepless adjustable
- Cleaning and inspection of the strapping unit due to hinged body within shortest time possible
- Guiding track for strap completely made of stainless steel and fully protected against the entrance of liquids by labyrinth sealings

9. OPERATOR PANEL

- All electrical junction boxes made of stainless steel
- All cables / plugs of fully encapsulated design
- Parameter settings via touch panel
- Operation by push-buttons
- Fully encapsulated digital absolute position measuring system
- Analog recording of all pressure parameters
- Absolute position measuring system for bale positioning inside tying cage
- Remote control
- Modular baler safety system via key transfer system including the prevention of lock-in danger