

Two-way bale press

Quick turnover of goods
Cost-efficient transport

**RELIABILITY AND QUALITY
FOR MAXIMUM AVAILABILITY**

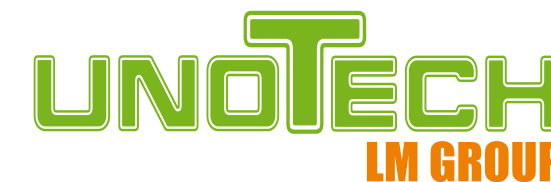


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CHANNEL BALE PRESSES OF THE SERIES
UPAMAX

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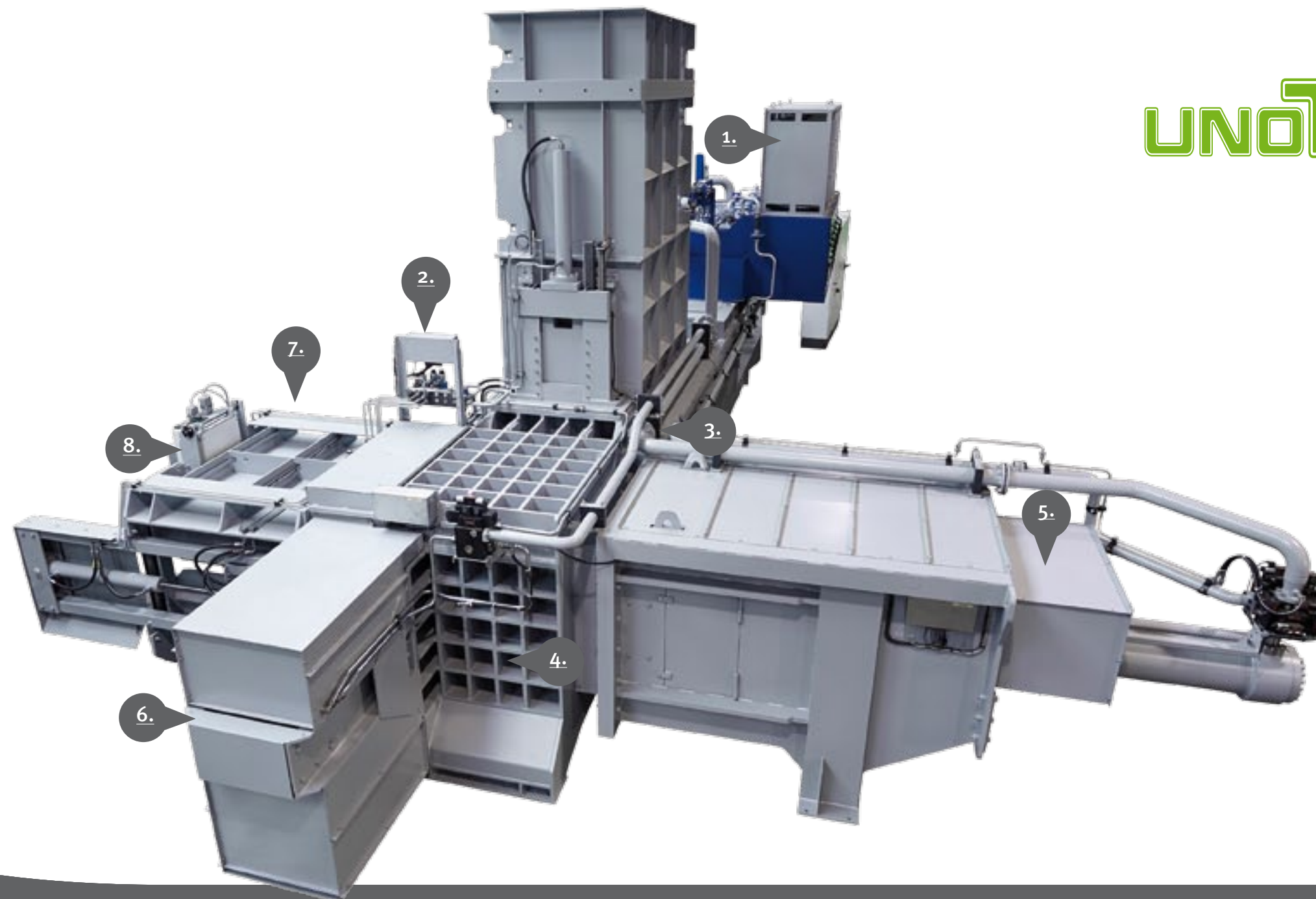
1. MAIN DRIVE

- Energy efficient and robust hydraulic drive with axial piston pumps
- Design pressure 400 bar
- Operating 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 drives by servo-adjustment



2. MAIN CYLINDER

- Cylinder of welded design
- Optimum access to the sealing package for shortest repair work
- All design parameters adapted to a multiple operating pressure
- Long-lived sealing elements at best guiding and sealing properties for accepting high transverse forces
- Fully encapsulated absolute position measuring system of modular design
- Rear flanging of the main cylinder - saving removal/installation of the cylinder possible



3. MAIN PRESS PLATE

- "Full wear protection" for all contact surfaces of the ram
- Simple disassembly of all wearing parts by the use of through bolts
- Cassette type front roller guide for simple disassembly and inspection work



4. PRESSING CHAMBER

- Optimum access to the press compartment through large lateral maintenance doors
- Size of the maintenance doors sufficiently dimensioned for a lateral disassembly of the main pressing plate
- "Full wearing protection" of all contact surfaces within the press compartment by wear plate coverings
- Distortion-proof and statically oversized design of the press structure and the compaction compartment for accepting high excentric loads.



5. EJECTOR PLATE

- Powerful ejector drive with double parallel guide for accepting asymmetric loads when a press bale is ejected
- Ejector drive designed for multi-pump operation, therefore higher cycle times



6. LOCKING DOOR

- The locking door of the press opens in the main compacting direction of the press, practically excluding a machine stall even in case of the most compact materials
- Door rails with covered guiding elements for an efficient protection from contaminations and getting stuck.



7. TYING-UP CHANNEL "TYING CAGE"

- Tying-up channel with externally and laterally arranged feed unit for positioning the bale in the tying-up automatic unit
- Selection of the strapping steplessly possible
- Emptying of the whole installation possible at any time
- Ensuring the bale density without cross section extensions in the discharge
- Separate hydraulic drive for shortest cycle time



8. STRAPPER WITH BELT GUIDE

- Robust tying-up automatic unit suitable for all commercially available cross sections
- Strapping and preload force steplessly adjustable
- Cleaning and maintenance through a hinged housing within the shortest time possible
- Belt guide of the strapping belt protected by multiple labyrinth seals from the entrance of liquids and made of stainless steel



9. ELECTRICAL CONTROL SYSTEM

- All protective casings of stainless steel design
- Control cabling of shielded design
- All cables/plugs of fully potted design
- Pump start control by a soft starter
- SIMATIC control system with Ethernet
- Parameter setting via touch panel
- Operator control by button control
- Contactless absolute position measuring system
- Analog recording of all pressure parameters
- Position measuring system for pushing bales out / bale positioning + Remote maintenance



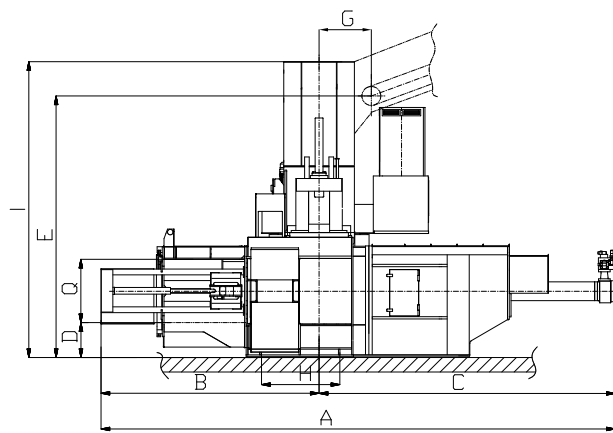
OUR SERVICE

With the new press from UPAMAX series unoTech consistently continues providing production machines which set new standards with respect to throughput, strength and durability for the industry: a fully automatic and strongly compacting two-way bale press from unoTech with a pressing force of 1500 kN or 2300 kN for pressing optimum bales of e.g. household waste.

TECHNICAL DATA

	UPAMAX 150 TC		UPAMAX 230 TC	
Type index (pressing force in kN)	1500 kN		2300 kN	
special pressing force	182 N/cm ²		190 N/cm ²	
Design pressure	315 bar		315 bar	
Channel format (height x width x length)	75 x 110 x 110 cm		110 x 110 x 110 cm	
Filling opening (length x width)	200 x 102 cm		200 x 102 cm	
Number of tying-ups (standard)	7		7	
Drive power	2 x 55 kW	3 x 55 kW	2 x 75 kW	3 x 75 kW
Press power at piled weight (household waste approx. 200 kg/m ³)	25 t/h	35 t/h	42 t/h	55 t/h
Bale weight	950 kg		1400 kg	
Press throughput	150 m ³ /h	210 m ³ /h	250 m ³ /h	340 m ³ /h
Weight	50 t	52 t	62 t	65 t

Modifications reserved!



DIMENSIONS	UPAMAX 150 TC	UPAMAX 230 TC
A	8.000	8.855
B	3.200	3.755
C	4.800	5.100
D	600	600
E	4.200	4.500
F	4.800	5,100
G	900	900
H	1.100	1.100
I	2.380	2.380
J	7.200	7.600
K	2.420	2,420
L	9.580	9.980
M	12.000	12.400
N	2.000	2.000
O	1.020	1.020
P	1.300	1.500
Q	1.100	1.100

