

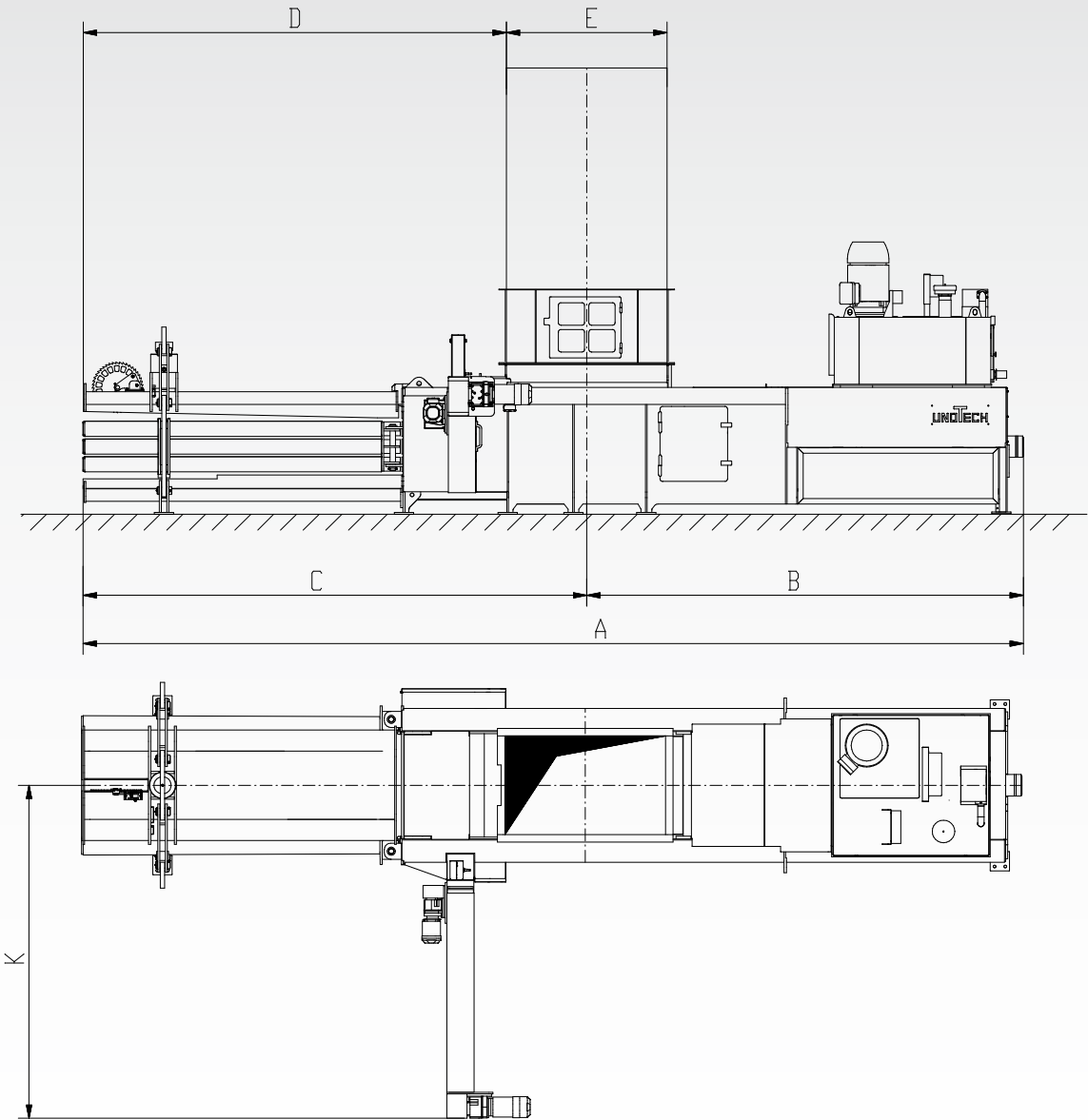
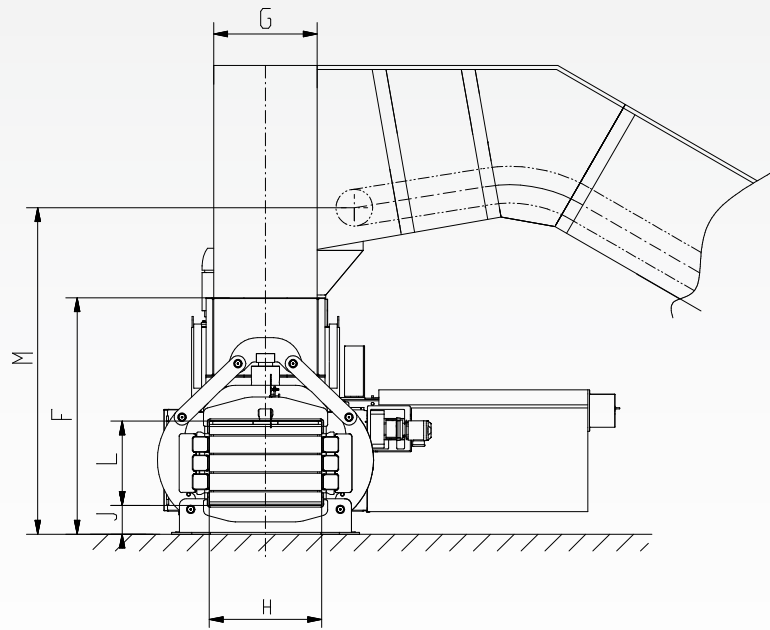
CHANNEL BALING PRESSES OF THE SERIES

UPAMAT®-H

18/04-300 HÖ DD

SPECIFIED PURPOSE

- Installations for document shredding
- Cardboard manufacturer
- Shopping centres
- Manufacturer for corrugated cardboard
- Waste paper industry
- Printing shops
- Pulp and paper industry
- Distribution centres



TECHNICAL DATA

UPAMAT-H	40 H3	60 H4	70 H4	80 H4	100 H4	120 H5	150 H5
Pressing force	400 kN	520 kN	600 kN	650 kN	800 kN	1.000 kN	1.300 kN
Cutting force max.	480 kN	630 kN	720 kN	800 kN	990 kN	1.200 kN	1.500 kN
Specific pressure	68 N/cm²	84 N/cm²	96 N/cm²	97 N/cm²	120 N/cm²	100 N/cm²	124 N/cm²
Hopper opening	1.250 x 920 mm	1.250 x 920 mm	1.500 x 920 mm	1.600 x 1.020 mm	1.800 x 1.020 mm	2.000 x 1.020 mm	2.000 x 1.020 mm
Tunnel section (h x w)	700 x 1.000 mm	750 x 1.000 mm	750 x 1.000 mm	750 x 1.100 mm	750 x 1.100 mm	1.100 x 1.100 mm	1.100 x 1.100 mm

Throughput*	1 x 15 kW - 1 x 22 kW	1 x 22 kW - 1 x 30 kW - 1 x 45 kW	1 x 30 kW - 1 x 45 kW - 1 x 75 kW	1 x 30 kW - 1 x 45 kW - 1 x 75 kW	1 x 75 kW - 2 x 45 kW	1 x 75 kW - 2 x 45 kW - 2 x 55 kW	2 x 45 kW - 2 x 55 kW - 3 x 55 kW
20-30 kg/m³	1,8 t/h 4,0 t/h	3,9 t/h 4,9 t/h 8,1 t/h	5,1 t/h 8,7 t/h 12,3 t/h	4,2 t/h 6,8 t/h 10,0 t/h	7,5 t/h 10,5 t/h	12,0 t/h 16,5 t/h 17,5 t/h	15,0 t/h 16,0 t/h 22,0 t/h
35-50 kg/m³	3,0 t/h 6,0 t/h	6,0 t/h 7,6 t/h 12,2 t/h	7,8 t/h 13,2 t/h 18,5 t/h	7,0 t/h 10,5 t/h 15,5 t/h	12,5 t/h 17,5 t/h	20,0 t/h 26,0 t/h 29,0 t/h	24,0 t/h 26,0 t/h 37,0 t/h
60 kg/m³	3,5 t/h 7,0 t/h	6,6 t/h 8,4 t/h 14,0 t/h	8,5 t/h 14,5 t/h 20,5 t/h	7,5 t/h 11,5 t/h 18,0 t/h	13,5 t/h 19,0 t/h	24,0 t/h 28,5 t/h 31,0 t/h	27,0 t/h 29,0 t/h 43,0 t/h
100 kg/m³	-	9,5 t/h 12,0 t/h 20,0 t/h	12,5 t/h 21,0 t/h 30,0 t/h	11,5 t/h 18,0 t/h 26,5 t/h	20,0 t/h 28,0 t/h	32,0 t/h 40,0 t/h 43,0 t/h	39,0 t/h 44,0 t/h 58,0 t/h
Bale weight**	up to 320 kg	350 - 500 kg	370 - 600 kg	500 - 700 kg	500 - 800 kg	800 - 1000 kg	1.100 - 1.700 kg
Bale length	up to 1,4 m	up to 1,80 m	up to 1,80 m	up to 2,00 m	up to 2,00 m	up to 2,00 m	up to 2,00 m
Total weight	approx. 7 t	approx. 13 t	approx. 14,5 t	approx. 24 t	approx. 28 t	approx. 39 t	approx. 53 t

* depending on input density and main drive

**depending on input density and bale length

subject to changes in design and dimensions!

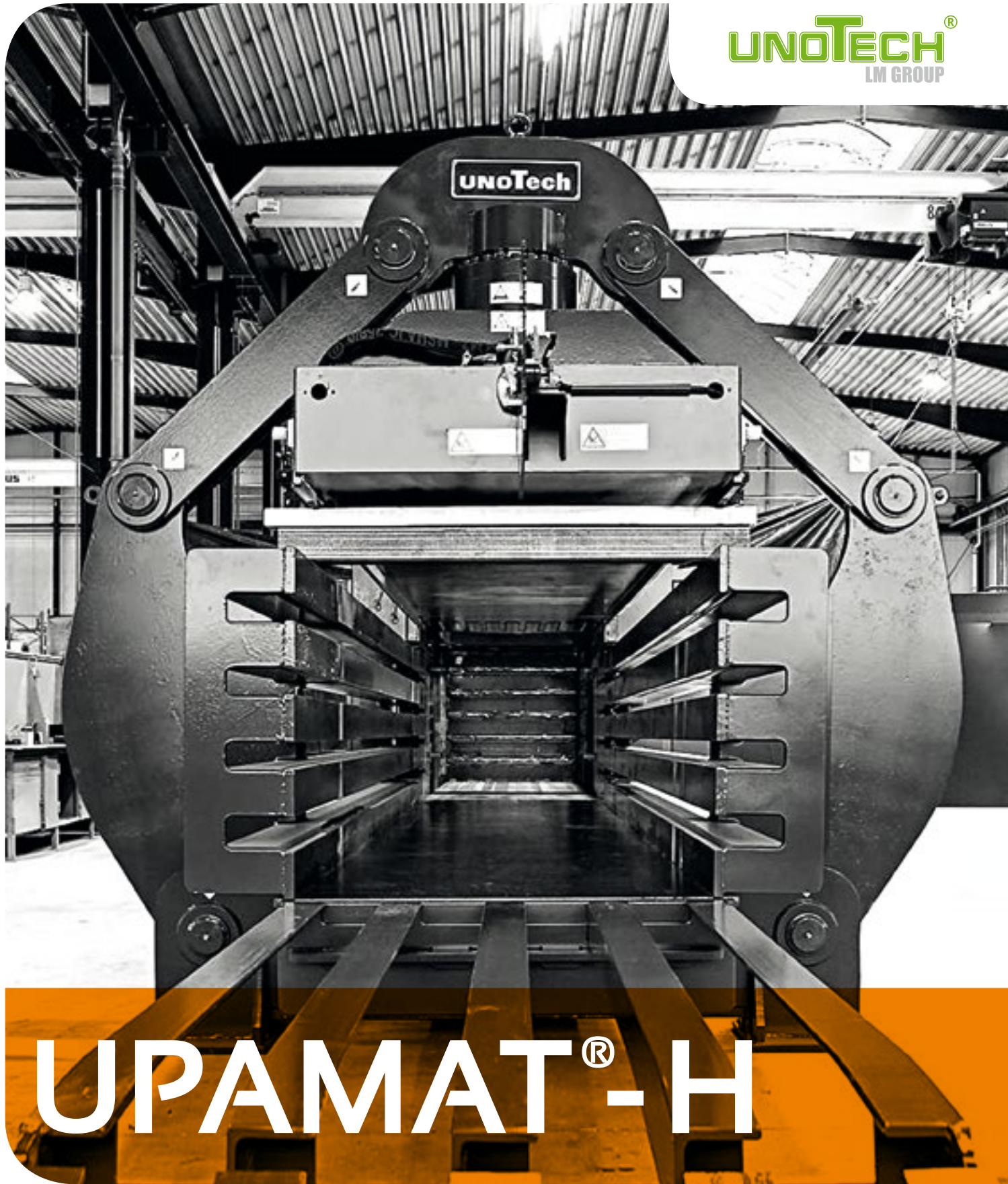


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UNOTECH®. INNOVATION DRIVEN BY EXPERIENCE.



Channel baling presses
with horizontal steel tying



MADE IN
GERMANY

CE

1. MANIFOLD HYDRAULIC BLOCK

- Oversized hydraulic block made of forged steel for highest efficiency grade and minimum flow losses
- Shortest press plate cycle times without any closing shocks



2. POWER PACK

- Highly efficient robust baler main drive
- Alternatively with internal gear pumps or axial piston pumps
- Peak pressure 400 bar working pressure up to 310 bar
- Low pressure stage of gear pumps dedicated for multiple pressure in reference to the shut-off point. Peak pressure 350 bar
- Consideration of all basic legal information regarding water protection



3. PRESS CHANNEL

- Press channel made of heavy profiles and steel plates
- Fully machined pressbox floor including bolted wear plates
- Friction tunnel including tunnel clamp in static oversized design



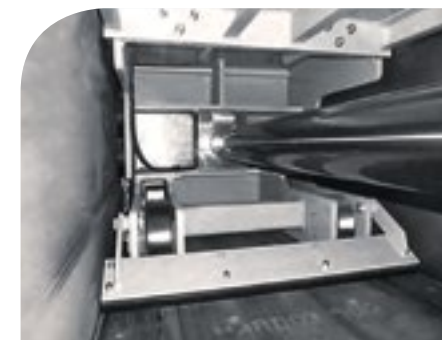
4. AUTOMATIC TYING

- Tying unit with extreme functional reliability and separated wire cut
- Suitable for wire thicknesses from 3,1 up to 4,1 mm
- Cost-optimised wire knot with adapted number of twists for reduced wire consumption
- Replacement of spares within shortest terms and without any special tool



5. PRESS PLATE

- Main cylinder with sufficient power reserve to achieve highest bale weights with all kind of material grades
- Heavy roller guiding as well as sliding guides for press plate
- Press plate available with fully automatic horizontal slot covers



6. STAMPER

- Clearance down force 25 to
- Stamper guiding rails with easy access to allow taking over heavy off-centre loads
- Directly mounted on top of the counter knife system of the baler
- Generously dimensioned hydraulic valve technology for shortest cycle times



7. OPERATOR PANEL

- Easy and safe user/operator guidance system as well as display of fault status and all states for operation and maintenance via touch panel
- All cable plugs fully encapsulated (IP 67), thus no water/moisture ingress possible



8. BALER SAFETY

- Modular baler safety system via key transfer system including the prevention of lock-in danger

