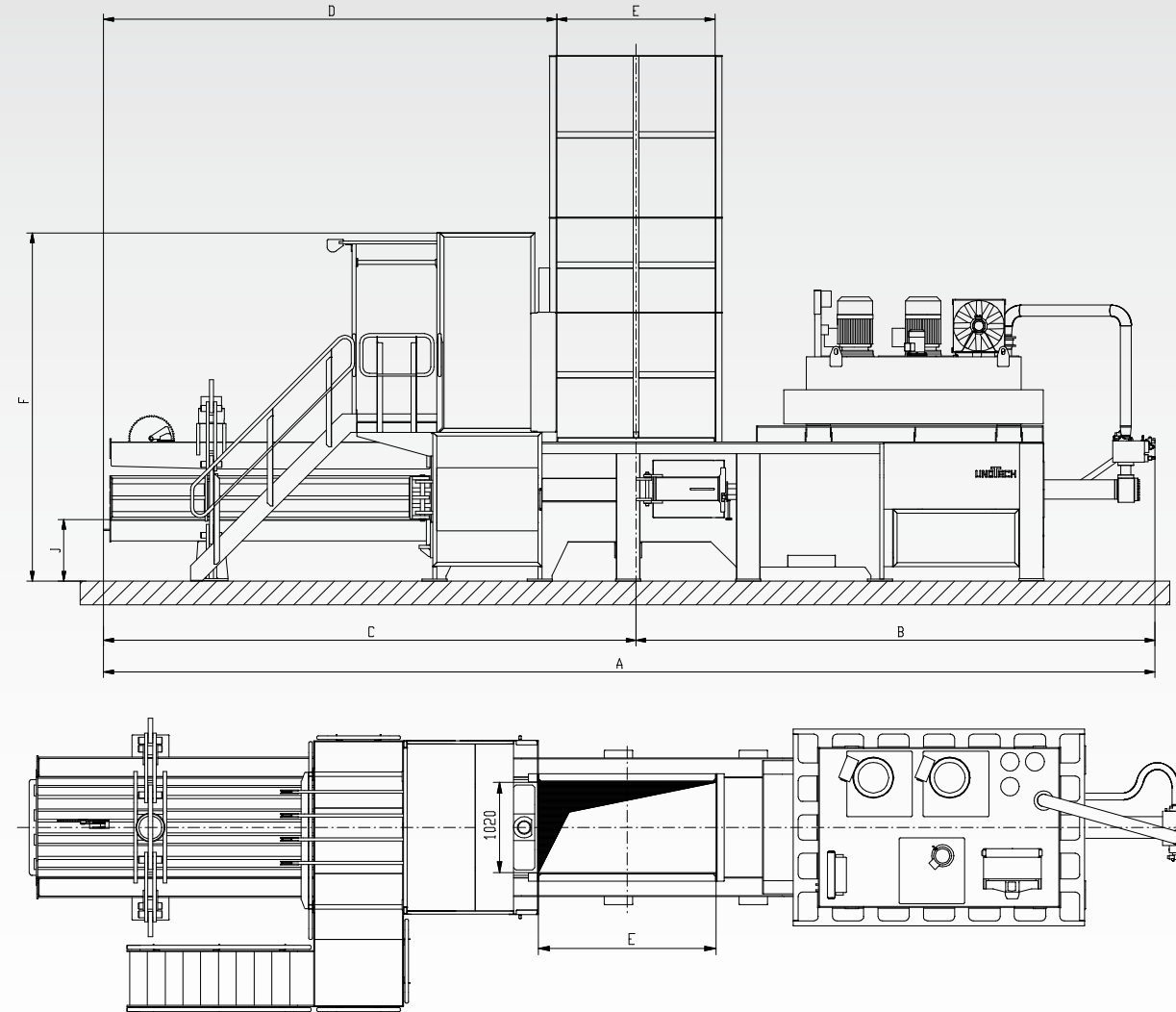
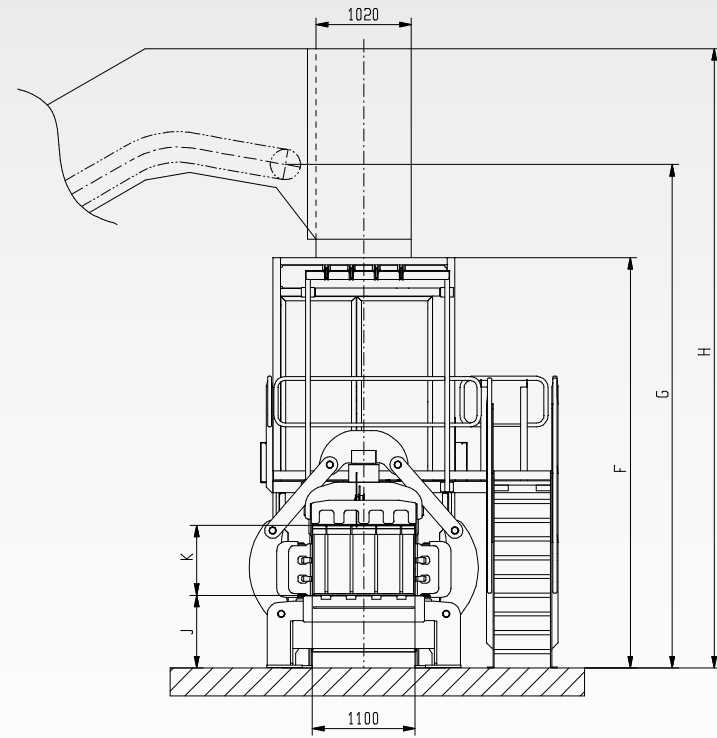


CHANNEL BALING PRESSES OF THE SERIES

UPAMAT®-V

SPECIFIED PURPOSE

- Waste paper industry
- Sorting installations
- Materials recycling facilities (MRF)
- Refuse recycling facilities
- Plastic recycling facilities
- Classical waste management enterprises
- Special installations



TECHNICAL DATA

UPAMAT-V	60 V4 / V5	70 V4 / V5	80 V4 / V5	100 V4 / V5	120 V4 / V5	130 V5	150 V5	200 V5
Pressing force	630 kN	720 kN	800 kN	990 kN	1.200 kN	1.200 kN	1.500 kN	2.000 kN
Specific pressure	76 N/cm²	87 N/cm²	97 N/cm²	120 N/cm²	145 N/cm²	100 N/cm²	124 N/cm²	165 N/cm²
Hopper opening	1.400 x 1.020 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	2.000 x 1.020 mm	2.000 x 1.020 mm	2.000 x 1.020 mm
Tunnel section (h x w)	750 x 1.100 mm	750 x 1.100 mm	750 x 1.100 mm	750 x 1.100 mm	750 x 1.100 mm	1.100 x 1.100 mm	1.100 x 1.100 mm	1.100 x 1.100 mm
Throughput*	1 x 30 kW - 1 x 45 kW	1 x 45 kW - 1 x 75 kW	1 x 45 kW - 1 x 75 kW	2 x 55 kW - 2 x 75 kW	2 x 55 kW - 2 x 75 kW	1 x 75 kW - 2 x 45 kW - 2 x 55 kW	2 x 55 kW - 2 x 75 kW - 3 x 75 kW	2 x 55 kW - 2 x 75 kW - 3 x 75 kW
20-30 kg/m³	4,5 t/h 9,0 t/h	8,5 t/h 12,0 t/h	7,5 t/h 10,0 t/h	15,0 t/h 17,0 t/h	13,0 t/h 15,0 t/h	13,5 t/h 19,5 t/h 21,5 t/h	16,0 t/h 18,0 t/h 26,0 t/h	13,5 t/h 15,0 t/h 22,0 t/h
35-50 kg/m³	7,0 t/h 14,5 t/h	14,0 t/h 19,0 t/h	11,0 t/h 16,0 t/h	22,0 t/h 26,0 t/h	20,0 t/h 23,0 t/h	22,5 t/h 32,5 t/h 36,0 t/h	26,0 t/h 30,0 t/h 42,0 t/h	20,0 t/h 23,5 t/h 36,0 t/h
60 kg/m³	8,5 t/h 15,5 t/h	15,0 t/h 23,0 t/h	13,0 t/h 19,0 t/h	26,0 t/h 31,0 t/h	24,0 t/h 27,0 t/h	24,0 t/h 35,0 t/h 38,5 t/h	29,0 t/h 34,0 t/h 50,0 t/h	24,0 t/h 28,0 t/h 40,0 t/h
100 kg/m³	11,0 t/h 22,0 t/h	21,5 t/h 32,0 t/h	20,0 t/h 29,0 t/h	40,0 t/h 47,0 t/h	37,0 t/h 44,0 t/h	31,5 t/h 45,0 t/h 51,0 t/h	44,0 t/h 52,0 t/h 70,0 t/h	37,0 t/h 45,0 t/h 61,0 t/h
Bale weight**	400 - 550 kg	420 - 580 kg	500 - 700 kg	500 - 800 kg	600 - 900 kg	800 - 1.000 kg	1.100 - 1.700 kg	1.100 - 1.900 kg
Bale length	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	up to 2,00 m	up to 2,00 m
Total weight	approx. 19 t	approx. 20 t	approx. 27 t	approx. 32 t	approx. 35 t	approx. 39 t	approx. 54 t	approx. 55 t

* depending on input density and main drive

** depending on input density and bale length

subject to changes in design and dimensions!

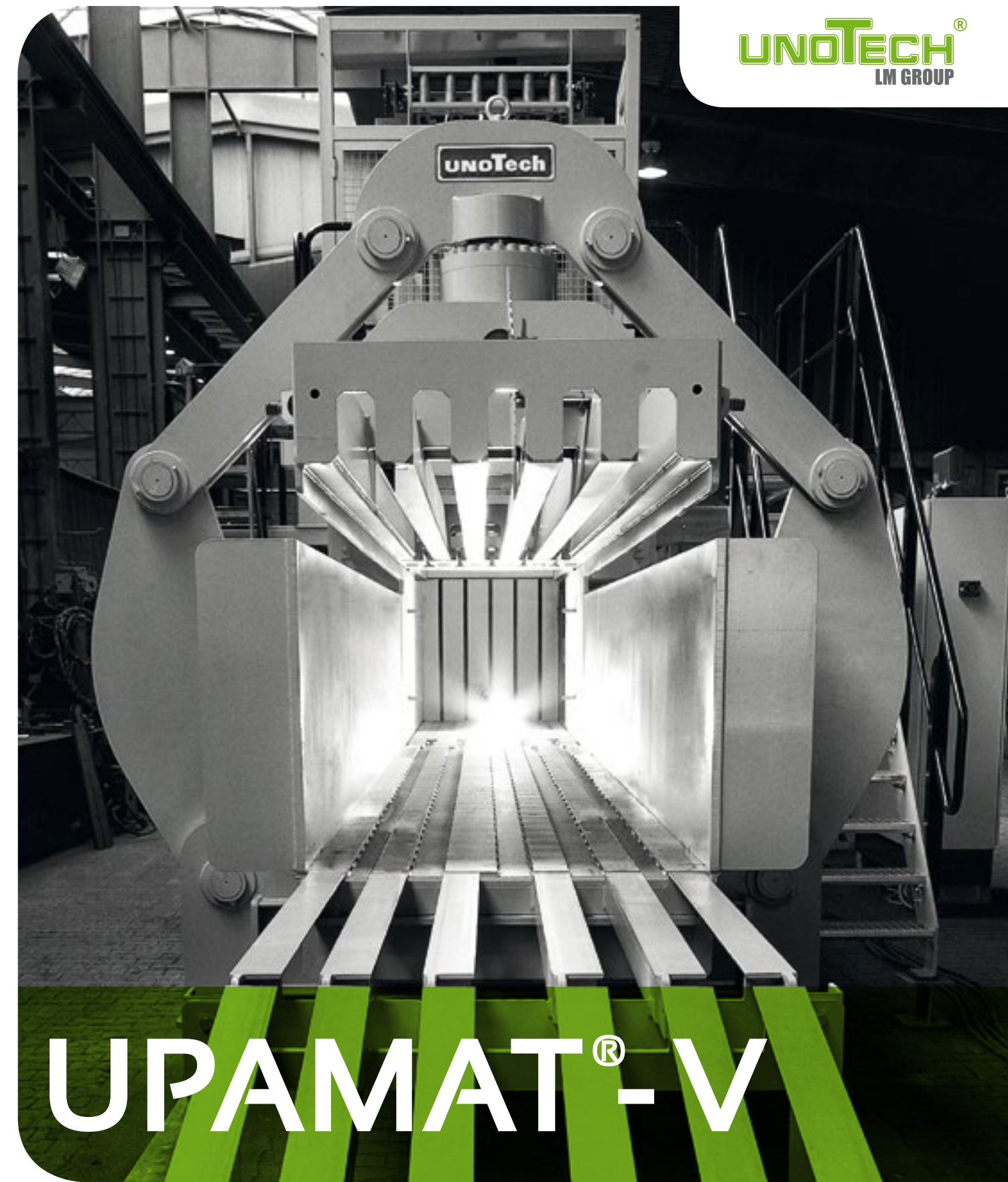
The table shows a selection of the possible drive powers. Other drive configurations possible.

DIMENSIONS	A	B	C	D	E	F	G	H	J	K
60 V	9.650	4.900	4.750	4.050	1.400	3.980	3.600	5.120	520	750
70 V	10.050	5.200	4.850	4.050	1.600	3.980	3.600	5.120	520	750
80 V	11.425	5.995	5.430	4.530	1.800	3.980	3.600	5.120	520	750
100 V	13.220	6.550	6.670	5.670	2.000	4.280	4.200	5.200	780	750
120 V	13.360	6.685	6.675	5.670	2.000	4.280	4.200	5.200	780	750
130 V	13.746	6.871	6.875	5.875	2.000	4.865	4.600	5.600	780	1.100
150 V	14.595	6.925	7.670	6.670	2.000	4.900	4.600	5.600	780	1.100
200 V	15.455	6.925	8.530	7.530	2.000	4.900	4.600	5.600	780	1.100

subject to changes in design and dimensions!



unoTech GmbH • Feldkoppel 17 • 49779 Niederlangen • Germany
Phone +49 5939 / 94 144 - 11 • Fax: +49 5939 / 94 144 - 30
info@unotech.de • www.unotech.de



UPAMAT®-V

Channel baling presses with vertical or cross steel tying



MADE IN GERMANY



1. MANIFOLD HYDRAULIC BLOCK

- Oversized hydraulic block made of forged steel
- Minimum flow losses due to reduced piping
- All hydraulic valves state of the art
- 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
- Oversized additional auxiliary devices for cooling and filtration circuits
- Minimum noise level due to absorption of structure-borne noise
- Internal monitoring for all function sequences
- Consideration of all basic legal information regarding water protection

3. PRESS PLATE

- Press plate available with fully automatic vertical slot covers
- Press plate guiding via centrally mounted bolted guiding frame
- Labyrinth seal for top and lateral surfaces
- Heavy roller guiding as well as sliding guides for press plate
- All wear protection for all press plate contact surfaces
- Relief grinded knife system for highest cutting performance

4. SHEAR SYSTEM

- High performance counter knife system with angular mounted cutting knives leading to max. bale stability
- Large relief clearance angle above cutting edge suitable for all heavy material grades
- Segmented counter knife system

5. STAMPER

- Clearance down force 25 t
- 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

6. AUTOMATIC TYING

- Cycle time for automatic tying within 7 sec.
- Suitable for wire thicknesses from 3,1 up to 4,1 mm
- Wire insertion for top and bottom wire lane
- Fully automatic wire cutting device
- Cross-tying available for all types of UPAMAT-V series

7. WIRE PULL

- Four-point contact guiding for needle bar
- Adjustable guiding blocs for needle bar
- Wear parts replacement via "quick release" system
- Wire pull drive using twin chain guiding

8. OPERATOR PANEL

- Easy and safe user / operator guidance system
- Display of all states for operation and maintenance
- Menu management
- Easy and safe operation for hand and automatic mode
- Fault indicator

9. BALER SAFETY

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

