



HERRCO
Hellenic Recovery & Recycling Corporation
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 Gen. Com. Reg.: 4588201000

Date: 18/09/2025

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TECHNICAL DESCRIPTION – BALING PRESS

1. General description:

This technical specification concerns the supply, transport, unloading, installation, commissioning and trial operation of a baling press suitable for a mixed stream of recyclable materials. The baling press will be installed at Thermi or Heraklion MRF.

2. Technical specifications:

- Minimum processing capacity ≥ 8 t/h
- Type: Horizontal channel press
- Automatic wire tying (5 points)
- PLC & modem included
- Air conditioned Electrical Cabinet
- Power consumption < 55 kW
- Rat proof cable
- Central grease lubrication
- Baler dimensions
 - * Height = ~ 3.000 mm
 - * Max length between hooper end and baler end = ~ 4.100 mm

3. Incoming Materials

A) THERMI - INCOMING MATERIAL ANALYSIS (UNPRESSED)

The table indicates the actual quantities of the Sorting Centre of Thermi. All material will be pressed except for the iron, the glass and the residue.

Material	Density (kgr / m ³)	% incoming stream	Ton / shift to be pressed	m ³ /hr to be pressed
PRINTED PAPER	100	28,94%	18,81	25
CARDBOARDS	100	20,14%	13,09	17
TETRAPACK	30	0,48%	0,31	1
PET	25	5,07%	3,30	18
PE	50	1,42%	0,92	2
FILM / bags	50	2,87%	1,86	5
PP/PS	25	2,31%	1,50	8
AL	100	0,38%	0,24	0
FE	250	3,06%	NOT TO BE PRESSED	NOT TO BE PRESSED
GLASS	300	2,86%	NOT TO BE PRESSED	NOT TO BE PRESSED
RESIDUE	240	32,48%	NOT TO BE PRESSED	NOT TO BE PRESSED
		100,00%	40,04	77,25



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B) HERAKLION- INCOMING MATERIAL ANALYSIS (UNPRESSED)

The table indicates the actual quantities of the Sorting Centre of Heraklion. All material will be pressed except for the iron, the glass and the residue.

Material	Density (kgr / m3)	% incoming stream	Ton / shift to be pressed	m3/hr to be pressed
PRINTED PAPER	100	8,34%	5,42	7
CARDBOARDS	100	31,43%	20,43	27
TETRAPACK	30	0,20%	0,13	1
PET	25	4,59%	2,98	16
PE	50	1,02%	0,66	2
FILM / bags	50	4,16%	2,71	7
PP/PS	25	2,53%	1,65	9
AL	100	0,31%	0,20	0
FE	250	2,66%	NOT TO BE PRESSED	NOT TO BE PRESSED
GLASS	300	1,13%	NOT TO BE PRESSED	NOT TO BE PRESSED
RESIDUE	240	43,62%	NOT TO BE PRESSED	NOT TO BE PRESSED
sum		100,00%	34,18	68,98

4. Quality & Compliance Requirements

- CE marking
- EN 16500:2014, EN ISO 12100, EN 60204-1
- Warranty $\geq$ 24 months or 4,000 hours
- Manual in English

5. Maintenance & Support

A maintenance agreement between Herrco and the supplier should be offered according to working hours. The supplier should organize a maintenance trip to the baler at its location.

Furthermore,

- Scheduled visits based on use
- Breakdown response $\leq$ 48 hours
- Spare parts availability $\geq$ 10 years
- Remote diagnostics via modem
- Mandatory periodic maintenance

6. Delivery & Installation

- Transport, unloading, installation and commissioning included



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7. Photos

Sorting Centre of Thermi



Sorting Centre of Heraklion



7. Annex

The contractor must complete the attached technical characteristics Excel file.



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