



**The Environmental
Group Limited**
Engineering a Sustainable Future

INDUSTRY LEADING WASTE MANAGEMENT SYSTEMS

Engineering Better Waste Management

Experts in total waste management of solid, liquid and gaseous waste.



The Environmental Group Limited

www.environmental.com.au

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Working across the Circular Economy

Our Purpose

Engineering a sustainable future.

Our Mission

To enable our clients to contribute to a cleaner environment by safely delivering pivotal solutions while generating value for our shareholders, staff, and partner industries.

Our Team

Our local experts are dedicated to reducing waste and boosting energy performance. Trusted worldwide to provide the highest standards of service and support.



Setting a New Standard in PFAS Extraction!

Introducing our advanced PFAS Extraction Technology, powered by Foam Fractionation, a cutting-edge solution designed to tackle one of the world's most persistent environmental challenges. PFAS, also known as "forever chemicals," are harmful substances found in contaminated water, soil, and industrial waste. Our patented foam fractionation process effectively removes over 99% of PFAS contamination, offering a reliable and efficient solution for wastewater treatment, landfill leachate, groundwater, soil and biosolid remediation.

This innovative technique uses air to separate and concentrate PFAS from water, soil and biosolids offering several key advantages.

PFAS Extraction Has Never Been Easier!

Extracting more than 99% of PFAS from Water, Soil & Biosolids

- ✓ 99% PFAS Extraction Rate from Biosolids, Soil & Water
- ✓ No PFAS Storage Requirements
- ✓ Risk Reduction to the Community
- ✓ Reduction of EPA Transport Requirements
- ✓ Cost-Effective & Efficient
- ✓ Your Discharge Insurance
- ✓ Ammonia Stripping Capabilities
- ✓ 99% Emission Reduction
- ✓ PFAS cut to below 1 ppb—under 0.1% of original input
- ✓ No Human Intervention Required
- ✓ Internalised – No Need for EPA Certifications
- ✓ Modular System – Built to Your Requirements
- ✓ Mobile or Integrated System
- ✓ Patented in Australia, the European Union, and the United States



Access our
Research Paper



The Power of Foam Fractionation

- **Cost-Effective:** Minimal operating costs compared to traditional PFAS removal methods.
- **Low Environmental Impact:** No need for extensive pre-treatment or chemical additives, reducing waste and energy consumption.
- **Compact Design:** Small footprint, ideal for integration into existing treatment systems.
- **High Efficiency:** Consistently achieves PFAS removal rates above 99% in water, soil and biosolids.

Whether for industrial wastewater facilities, municipal plants, landfill sites, civil construction, or agricultural fertiliser production, our PFAS Extraction Technology delivers unmatched performance, protecting both the environment and public health.

Dust & Air Control

Eliminating Gases, Dust and Fumes

Air Quality Management



Eradicating Hazardous Pollutants

Meeting global air pollution standards requires innovative solutions that prioritise sustainability. At The Environmental Group, we are committed to delivering cutting-edge technologies that reduce harmful emissions, safeguard air quality, and meet the stringent requirements set by international bodies. Through our advanced dust and fume extraction systems, we not only help industries achieve compliance but also contribute to a cleaner, healthier future for communities and the planet.

We provide a comprehensive service, managing every aspect from conceptualisation to installation, maintenance, and ongoing support. Our team of world-class design engineers is dedicated to creating innovative, customised solutions that comply with stringent emission standards

Wet & Dry Scrubbers 	Bag Filters 	Electrostatic Precipitators 	Thermal Oxidation 
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Dust Collectors 	Fume Extraction Systems 	Industrial Fans 	Modular Ducting 
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Respirable Dust Supression Systems

Providing a complete line of prevention, suppression and wind protection products to address breathable and visible dust problems for a wide array of industries including mining, power generation, biomass, aggregate, pulp and paper, wood products, hazardous waste, marine and bulk handling.

Dry Fog	Wind Fence	Water Spry	High Pressure Fog
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World Leaders in Waste Recovery

Supporting you at every step of your journey

**24/7 Nationwide
Maintenance Services**



1. Local Consultancy

In cooperation with Turmec, we are leaders in recycling plant design, offering local design consultancy as part of a bespoke suite of services. With over 45 years of industry experience in designing and developing cutting-edge plants, we provide a risk-free design solution tailored to meet the specific needs of each facility.



2. Plant Design

Our flexibility allows us to accommodate any budget, floor plan, or project stage, whether designing an entirely new plant or integrating with an existing facility.



5. Plant Upgrades

Our local expert team offers tailored solutions to modernise and enhance your facility, ensuring optimal performance and longevity. From design to execution, we focus on efficiency, sustainability, and minimal downtime, helping your operations thrive in today's competitive landscape.



6. Spare Parts

We ensure a steady supply of spare parts when needed, along with expert technical support. Our local support team can order, install and maintain parts & plants - ensuring that your operation runs smoothly with minimal downtime.



3. Fabrication

We deliver precision-engineered, bespoke solutions with full-scale fabrication, streamlined shipping and assembly capabilities, providing clients with responsive, reliable support tailored to their operational demands.



4. Plant Installation

Designed & implemented by local experts:

1. C&D/C&I Waste Plants
2. Municipal Solid Waste (MSW) Plants
3. Fines Cleaning Plants
4. Glass Recycling Plants
5. Refuse-Derived Fuel Plants
6. Plastic Waste Plants
6. PFAS Separation Plants



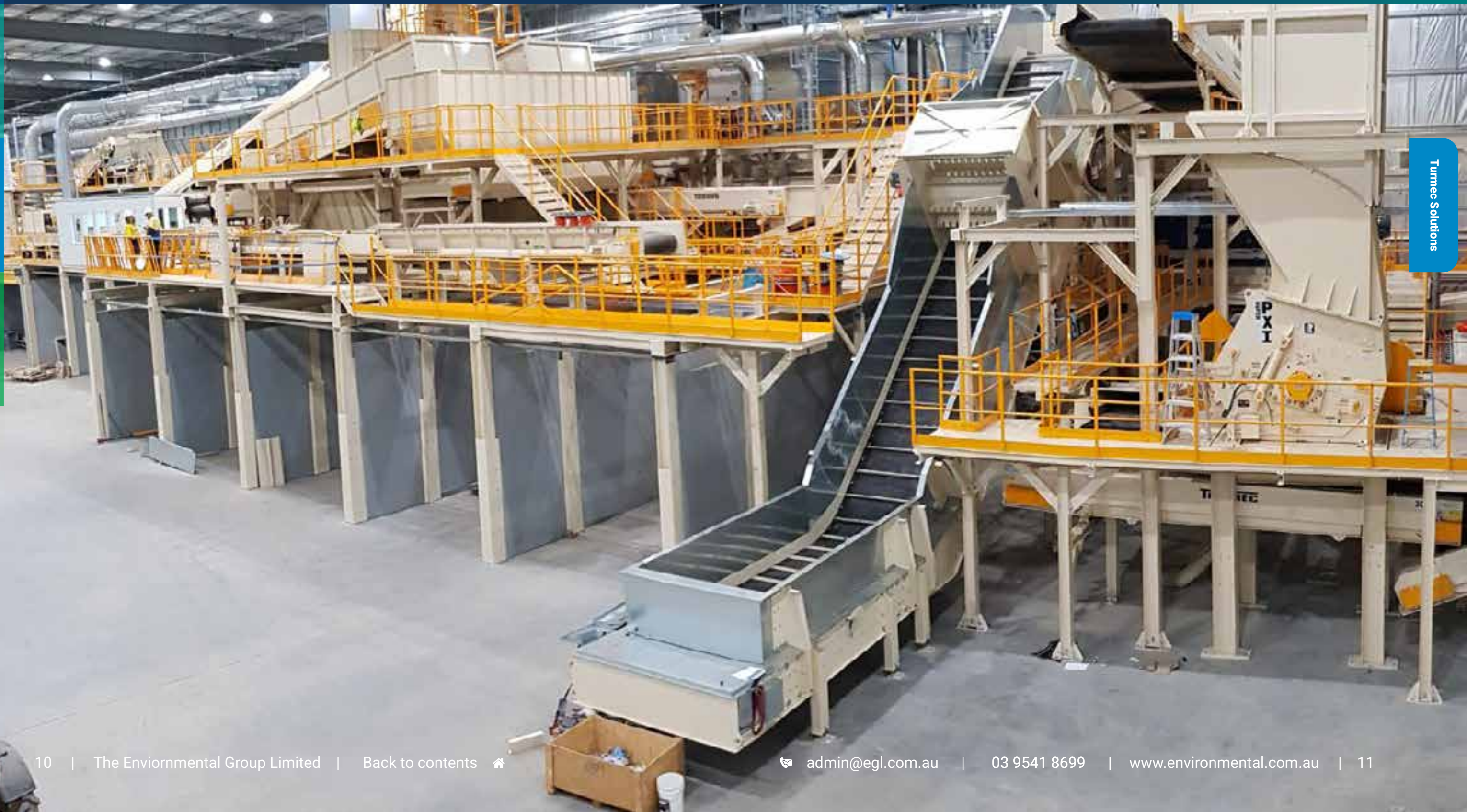
7. On-Site Service

Australia-wide 24/7 maintenance service, offering prompt service, preventative maintenance, and rapid response to breakdowns. We provide custom SLAs and plant modernisation advice, along with a QR code system for easy access to machine information and streamlined parts reordering.



**The Environmental
Group Limited**
Engineering a Sustainable Future

World Leaders In Recycling Solutions



Waste Recovery



Construction & Demolition

Commercial & Industrial

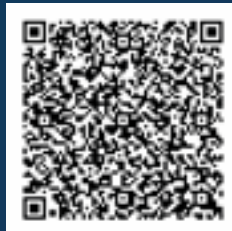
Solid Recovery Fuel / Municipal Solid Waste

Mixed Dry Recyclables



In collaboration with Turmec, we design customised C&D/C&I recycling plants with a 98% recovery rate, minimising landfill costs and maximising commodity revenue.

[Download our full catalogue here](#)



We Design:

- ✓ Refuse-Derived Fuel (RDF) and Solid Recovered Fuel (SRF) Plants
- ✓ Fines Cleanup or Design Consultancy Plants

Our recovery rate is approximately 99% on the first pass, saving money, time, and labour costs by processing materials only once.

We Design:

- ✓ Biodegradable Waste Plants
- ✓ Recyclable Material Plants
- ✓ Inert Waste Plants

Our plant designs achieve a 99% recovery rate, ensuring valuable commodities are recovered on the first pass with minimal labour requirements. This reduces landfill and labour costs while maximising revenue streams.

Our innovative plant designs integrate advanced sorting equipment from leading global suppliers, ensuring a high-quality separation process with minimal labour input.

Industrial Balers Boost Your Recycling Efficiency

Maximise Storage Space: Compress materials like cardboard, plastic, paper, and metal into compact bales.

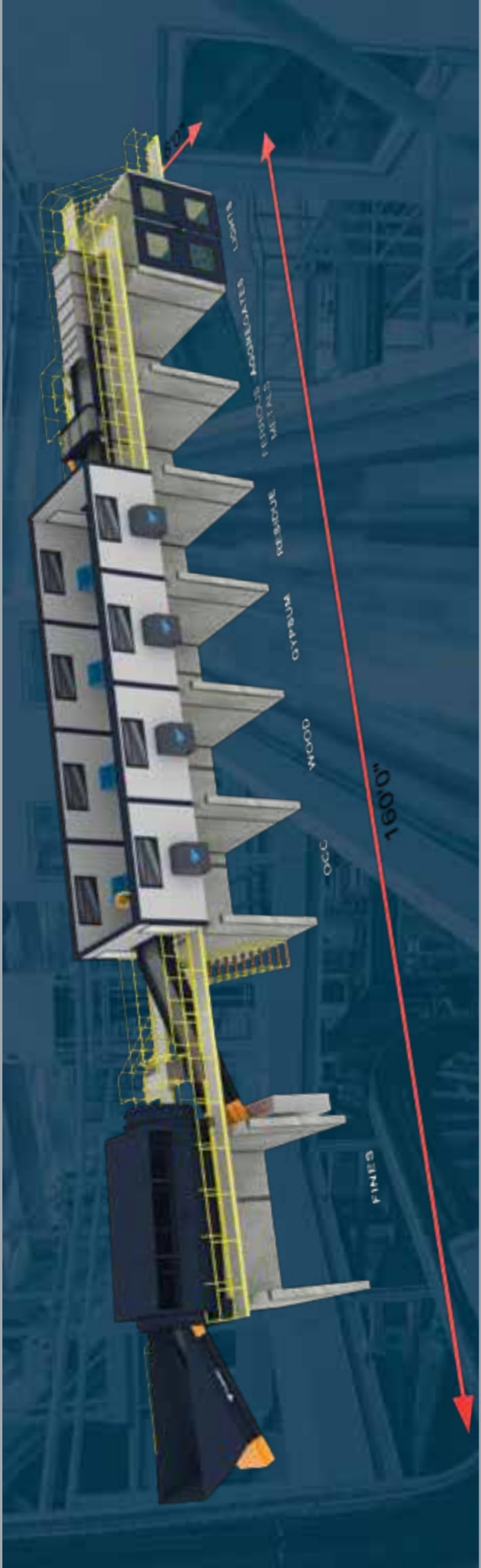
Reduce Transportation Costs: Smaller, denser bales mean fewer trips and lower transportation expenses.

Streamline Processes: Efficiently manage and process recyclable materials, saving time and labour.



KADANT | PAAL

Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



PROJECT TYPE:
TCD 80

TONNAGE PER HOUR
20 TPH C&D & C&I

KEY EQUIPMENT:

- Heavy Duty Belt Feeder
- Trommel Screen
- Sorting Station

INPUT WASTE:
Construction and demolition waste

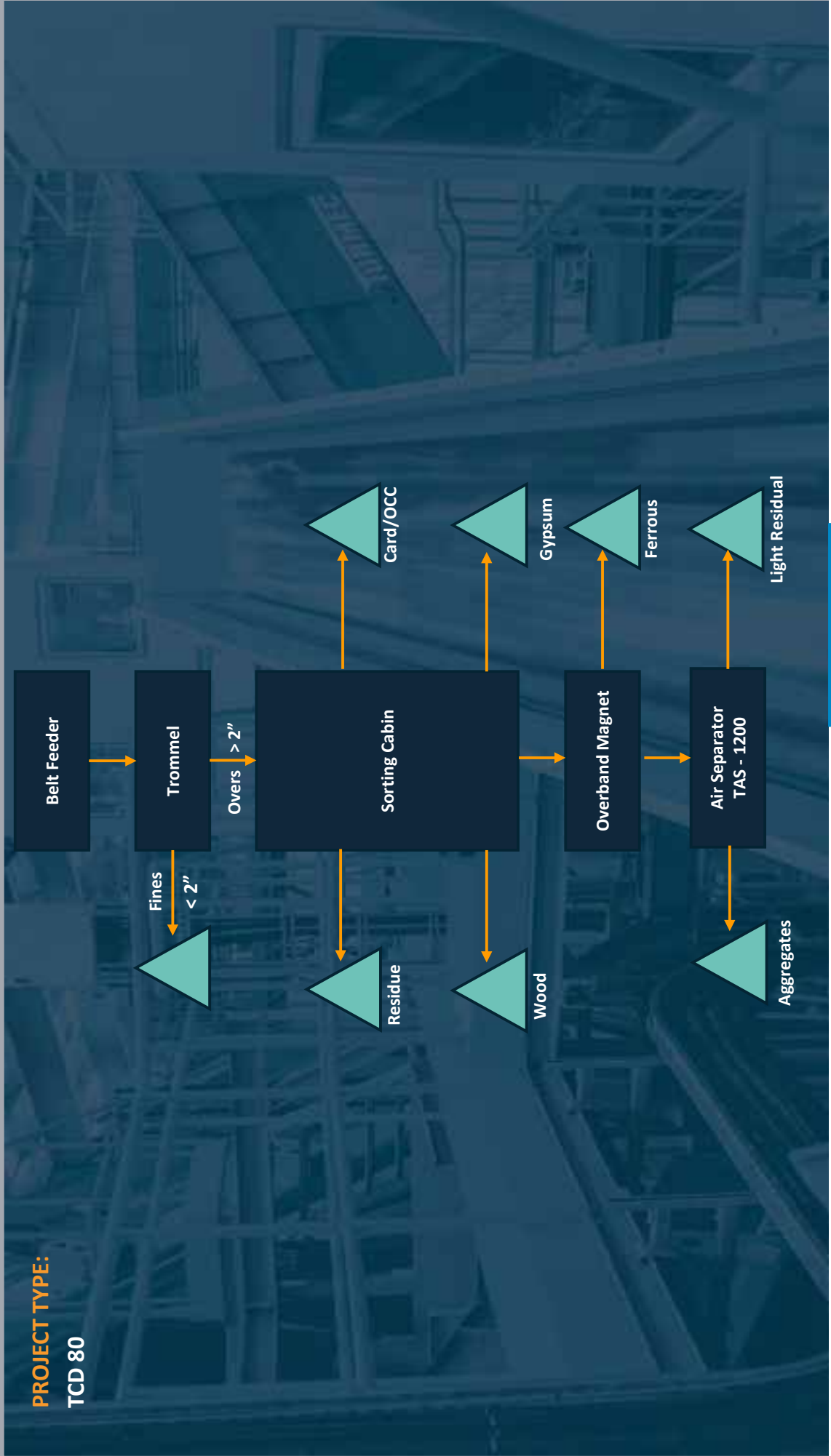
TONNAGE PER ANNUM – Single 8 Hour Shift
40,000

QC LABOUR REQUIREMENT:
15

- Permanent Magnet
- TAS 1200 – Air Separator
- Plant Support Walls

PROJECTED MATERIAL RECOVERY :
40%

Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



PROJECT TYPE:
TCD 100

TONNAGE PER HOUR
30 TPH C&D & C&I

- KEY EQUIPMENT:**
- Heavy Duty Belt Feeder
 - Double Deck Screen
 - TAS 1200 – Air Separator

INPUT WASTE:
Construction and demolition waste

TONNAGE PER ANNUM – Single 8 Hour Shift
60,000

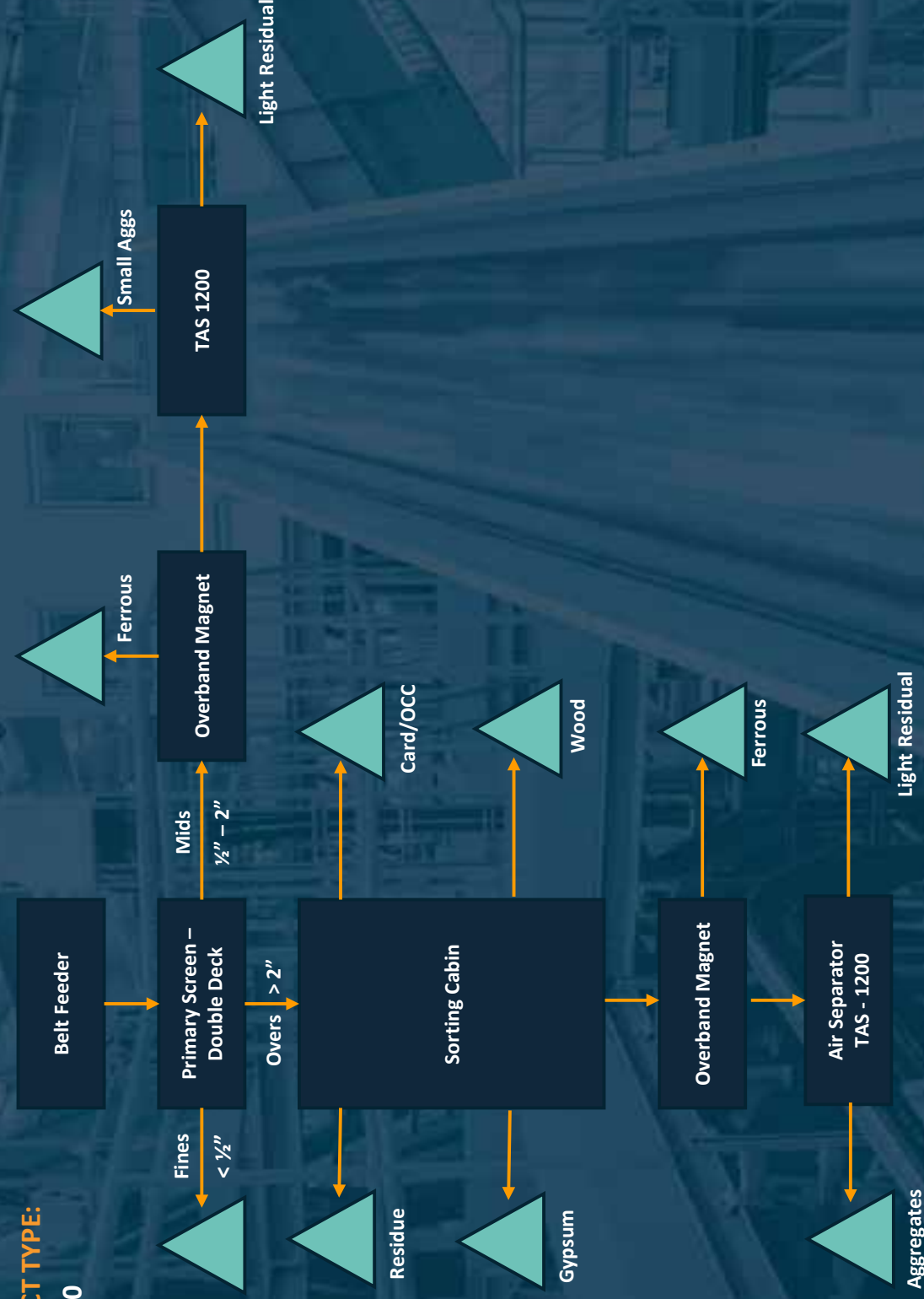
- Permanent Magnet
- Sorting Station
- Plant Support Walls

PROJECTED MATERIAL RECOVERY :
50%

**QC LABOUR
REQUIREMENT:**
12

Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.

PROJECT TYPE:
TCD 100



Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



PROJECT TYPE:
TCD 180

TONNAGE PER HOUR
45 TPH C&D & C&I

KEY EQUIPMENT:

- Primary sizer
- Primary magnet
- Double deck screen
- Air density separator – 3 Split



INPUT WASTE:

Construction and demolition waste



TONNAGE PER ANNUM – Single 8 Hour Shift
90,000

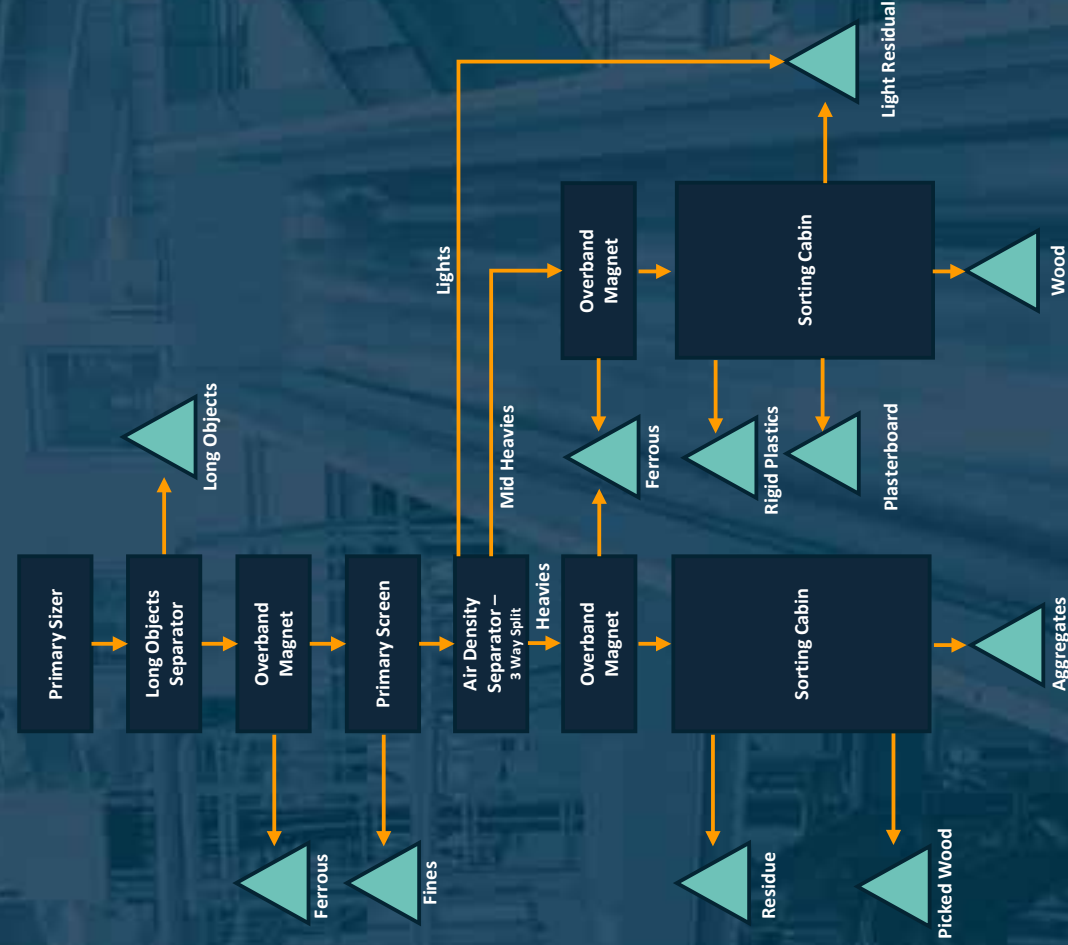


Estimated Recovery Rate:
70%

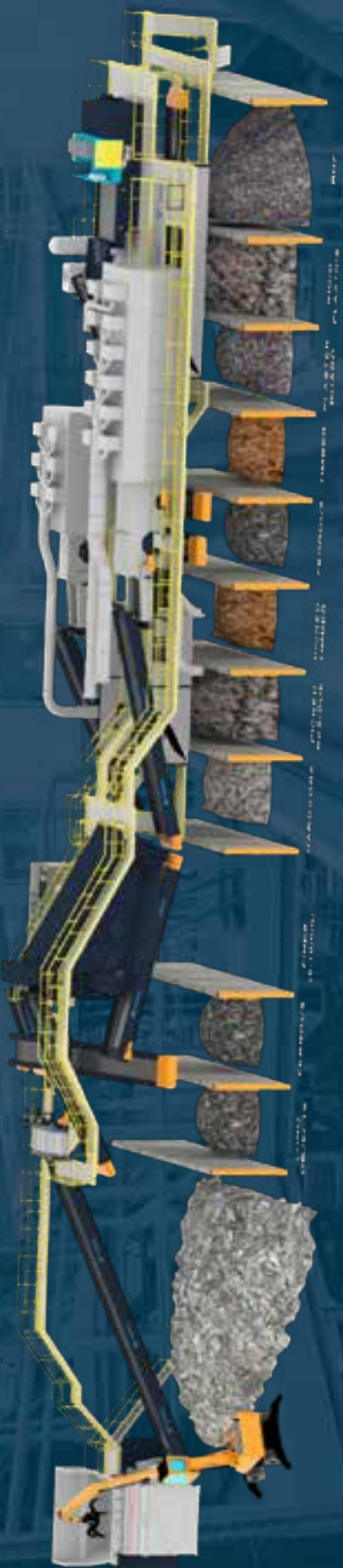


**QC LABOUR
REQUIREMENT:**
10

Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



Turnmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



PROJECT TYPE:
TCD 220

TONNAGE PER HOUR
55 TPH C&D & C&I

KEY EQUIPMENT:

- Primary sizer
- Primary magnet
- Double deck screen
- Air density separator – 3 Split
- Air density separator – 2 Split



INPUT WASTE:

Construction and demolition waste



Estimated Recovery Rate:
80%

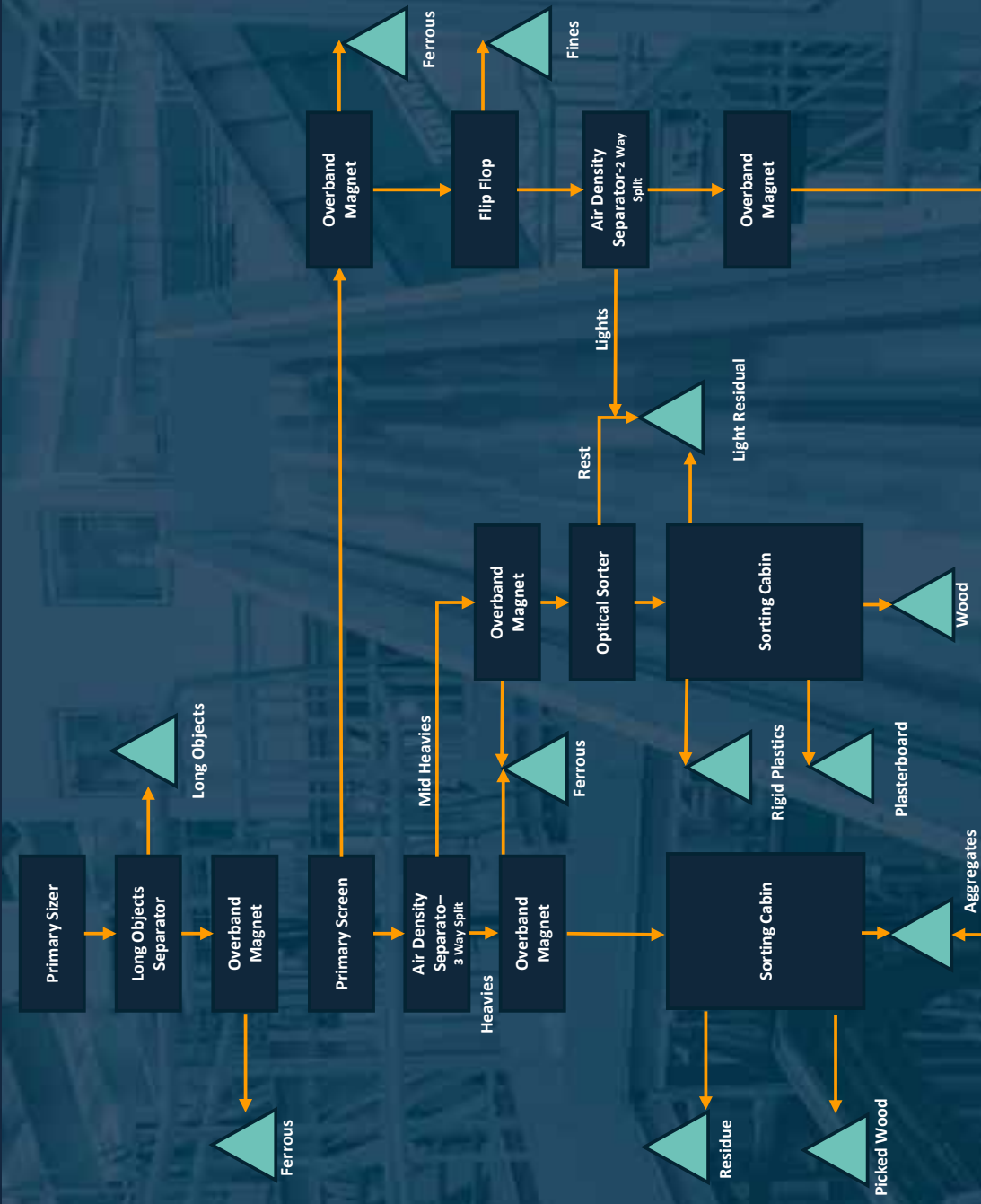


TONNAGE PER ANNUM – Single 8 Hour Shift
110,000

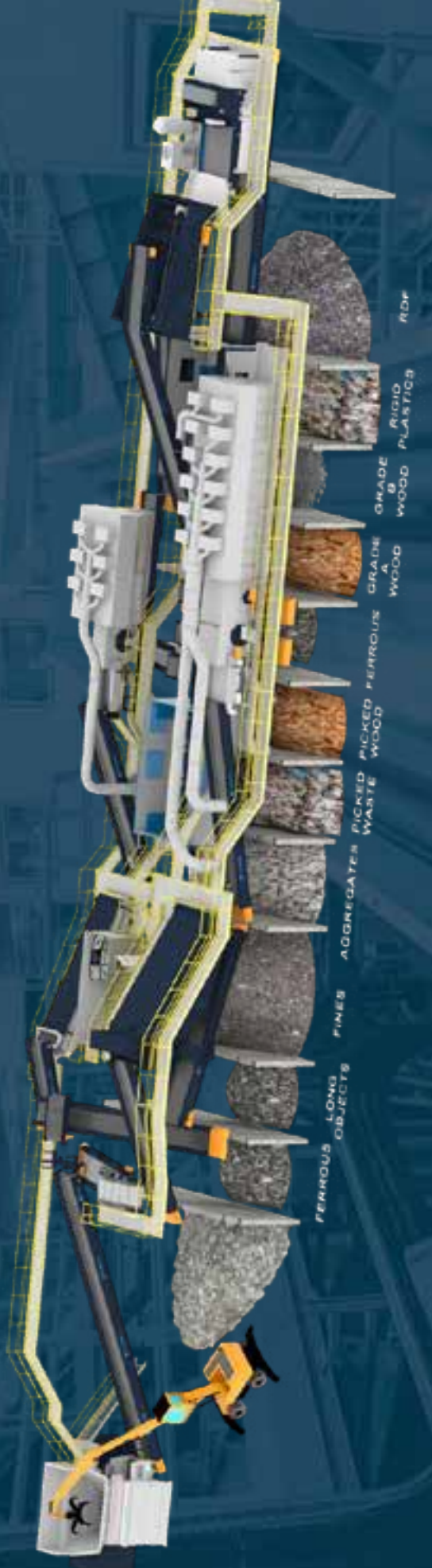
**QC LABOUR
REQUIREMENT:**
8

- Optical sorter (Wood)
- 4No. secondary magnets
- 2No. sorting station
- Compressor, receiver and dryer
- Plant support walls.

Turnmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



PROJECT TYPE:
TCD 300

TONNAGE PER HOUR
75 TPH C&D & C&I

KEY EQUIPMENT:

- Primary sizer
- Primary magnet
- Double deck screen
- Air density separator – 3 Split
- Air density separator – 2 Split



INPUT WASTE:

Construction and demolition waste



Estimated Recovery Rate:
90%



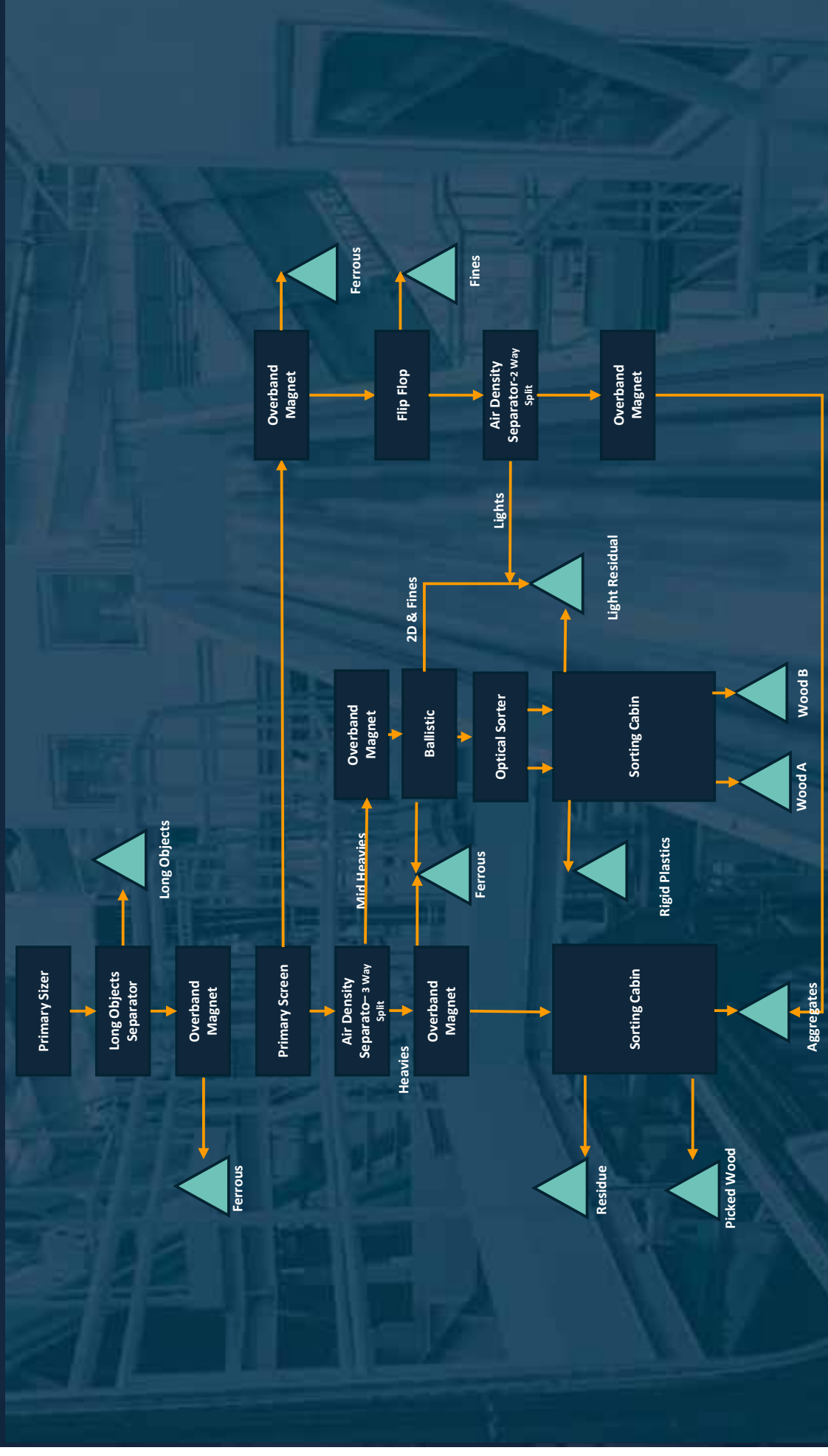
TONNAGE PER ANNUM – Single 8 Hour Shift
150,000



QC LABOUR REQUIREMENT:
6

- Ballistic separator
- Optical sorter (Wood)
- 4No. secondary magnets
- 2No. sorting station
- Compressor, receiver and dryer
- Plant support walls

Turmec's new TCD range delivers industry-leading recovery on mixed C&D loads with a fraction of the manual handling.
Built to Last. Ready to Scale.



TCD Series — Turmec’s Next-Gen C&D Solutions

Product	TPH	Annual throughput (Single 8-hour Shift)	Estimated recovery	Sorting labor	Nominal power usage	Plant footprint L x W x H
TCD 80	20	40,000	40%	+15	55kw	160 x 16 x 25ft
TCD 100	30	60,000	50%	+12	76kw	200 x 17 x 32ft
TCD 180	45	90,000	70%	10	410kw	235 x 40 x 35ft
TCD 220	55	110,000	80%	8	520kw	260 x 48 x 46ft
TCD 300	75	150,000	90%	6	620kw	280 x 45 x 45ft

- **Lower operating costs:** Each step up in model cuts labour while increasing output.
- **Higher profits:** Better recovery = more recyclables = more sellable material.
- **Future compliance-ready:** Higher recovery meets tightening waste regulations head-on.
- **Turmec DNA:** Custom-engineered, smartly automated, and built for heavy-duty results.

Case Studies



Case Study | Boyas Excavating



Client:
Boyas Excavating

Location:
Cleveland, Ohio

Input Waste (Tonnes):
60 TPH C&D & C&I

Output Streams:
Ferrous, Non-Ferrous, Aggregates,
Plastic, A Grade Wood, B Grade
Wood, Soils, Residual

Status:
Operational Q4 2025



Case Study | RM Penny



Client:
RM Penny

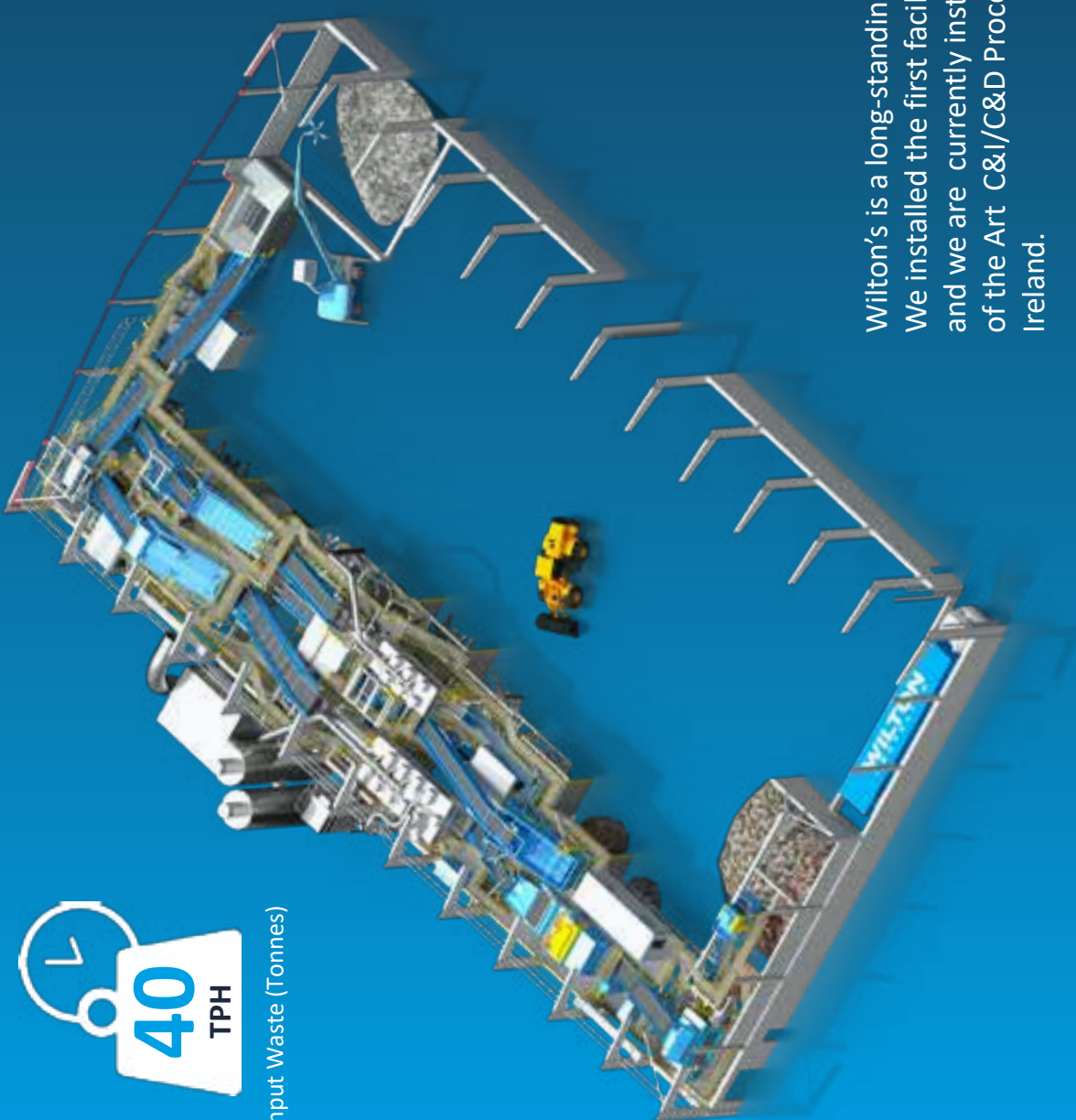
Location:
Bristol, UK

Input Waste (Tonnes):
25 TPH C&D & C&I

Output Streams:
Ferrous, Non-Ferrous, Aggregates,
Plastic, Wood, Soils, Residual



Customers | Wilton Waste



40
TPH
Input Waste (Tonnes)

Client:
Wilton Waste

Location:
Cavan, Ireland

Input Waste (Tonnes):
40 TPH C&D / C&I

Output Streams:
Ferrous, Non-Ferrous, Wood,
Hardcore, Small Stone, Soils,
Baled RDF & SRF

Wilton's is a long-standing customer for Turmec. We installed the first facility with Wilton's in 2006 and we are currently installing Wilton's New State of the Art C&I/C&D Processing facility in Cavan, Ireland.



Case Study | Derwen



30
TPH
Input Waste (Tonnes)

100k
Tonnage per Annum

Client:
Derwen

Location:
Neath, United Kingdom

Input Waste (Tonnes):
30 TPH C&D & C&I

Output Streams:
Soils, Ferrous, Non-Ferrous, Wood
Hardcore, Paper & Card, Plastics,
Baled & Wrapped RDF

Video Link:
https://youtu.be/HsMZjkWqe_M?si=hg6wAXLWUlnMfDqo





Input Waste (Tonnes)



Client:
Powerday (Shed 2)

Location:
Old Oak Sidings, London, UK

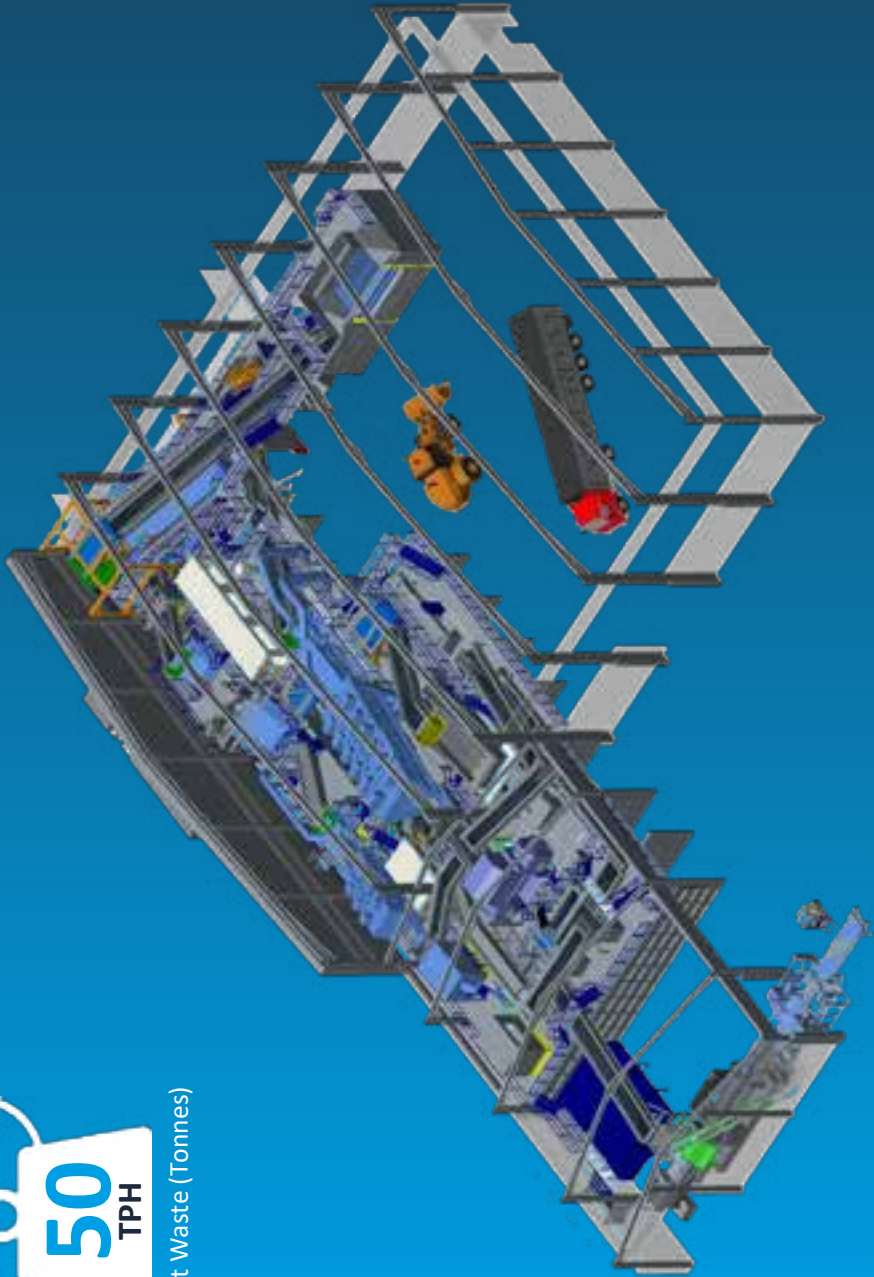
Input Waste (Tonnes):
75 TPH C&D / C&I

Output Streams:
Ferrous, Non-Ferrous, Wood,
Hardcore, Small Stone, Soils,
Baled RDF & SRF

Video Links:
https://youtu.be/w8c_p37iQAc
<https://youtu.be/FwMA0GTRump9FntC>



Input Waste (Tonnes)



Client:
Powerday(Enfield)

Location:
Enfield, London, UK

Input Waste (Tonnes):
50 TPH C&D / C&I

Output Streams:
Ferrous, Wood, Hardcore, Small
Stone, Soils, Baled RDF & SRF

Video Links:
youtu.be/Q9fh-RBUevI

Case Study | Thornton's

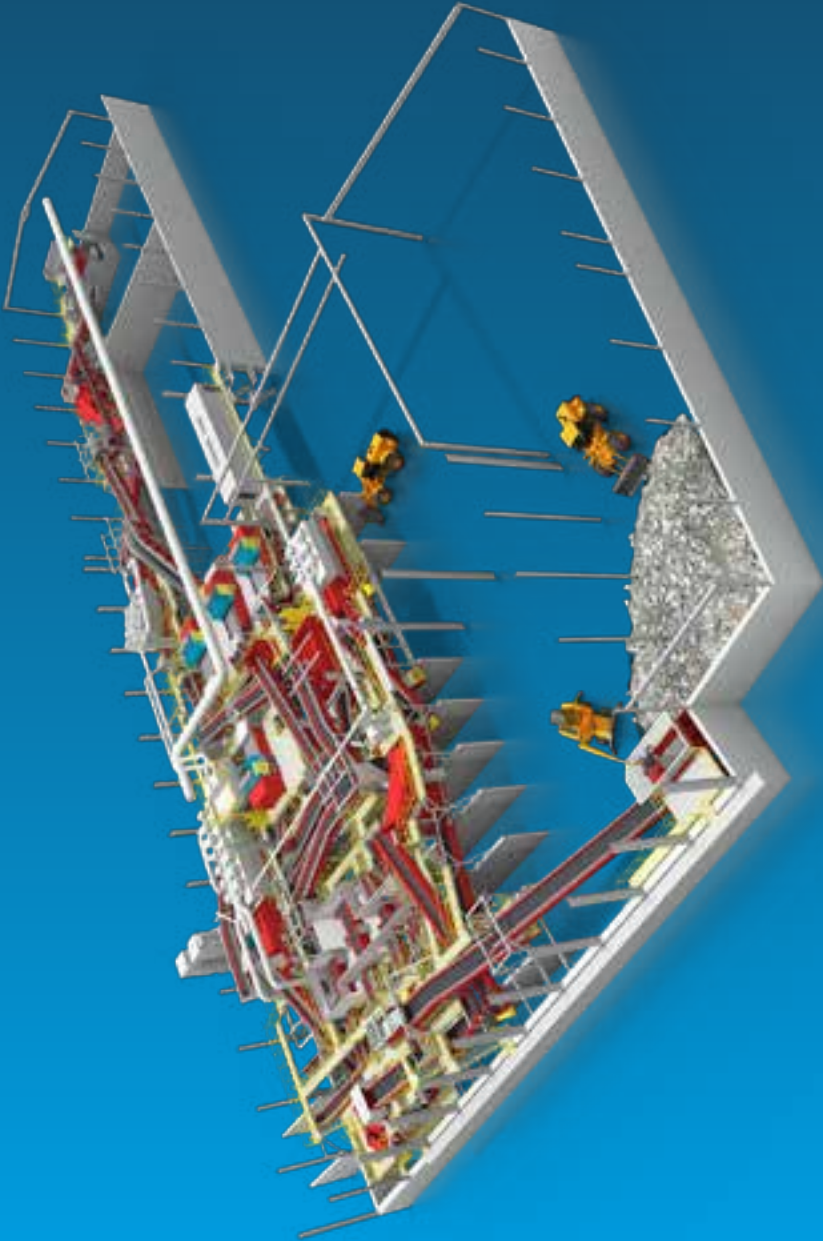


Input Waste (Tonnes)
C&D C&I



Input Waste (Tonnes)
MSW

Turmec has completed a number of projects for Thornton's, including a large-scale new build C&D / MSW / SRF recycling plant.



Client:
Thorntons Recycling

Location:
Dublin, Ireland

Input Waste (Tonnes):
70TPH C&D C&I
40TPH MSW

Output Streams:
Fines, 10-60mm Aggregates, Hardcore, Timber, Ferrous, Non-Ferrous, SRF, RDF & Rigid Plastics

Video Link:
<https://youtu.be/AF6Dss-Je1E>



Case Study | Central Waste



Input Waste (Tonnes)



Tonnage per Annum



Client:
Central Waste Station

Location:
NSW, Australia

Input Waste (Tonnes):
60 TPH C&D & C&I

Output Streams:
Ferrous, Non-Ferrous, Hardcore, Plastic, Chipped Wood and SRF

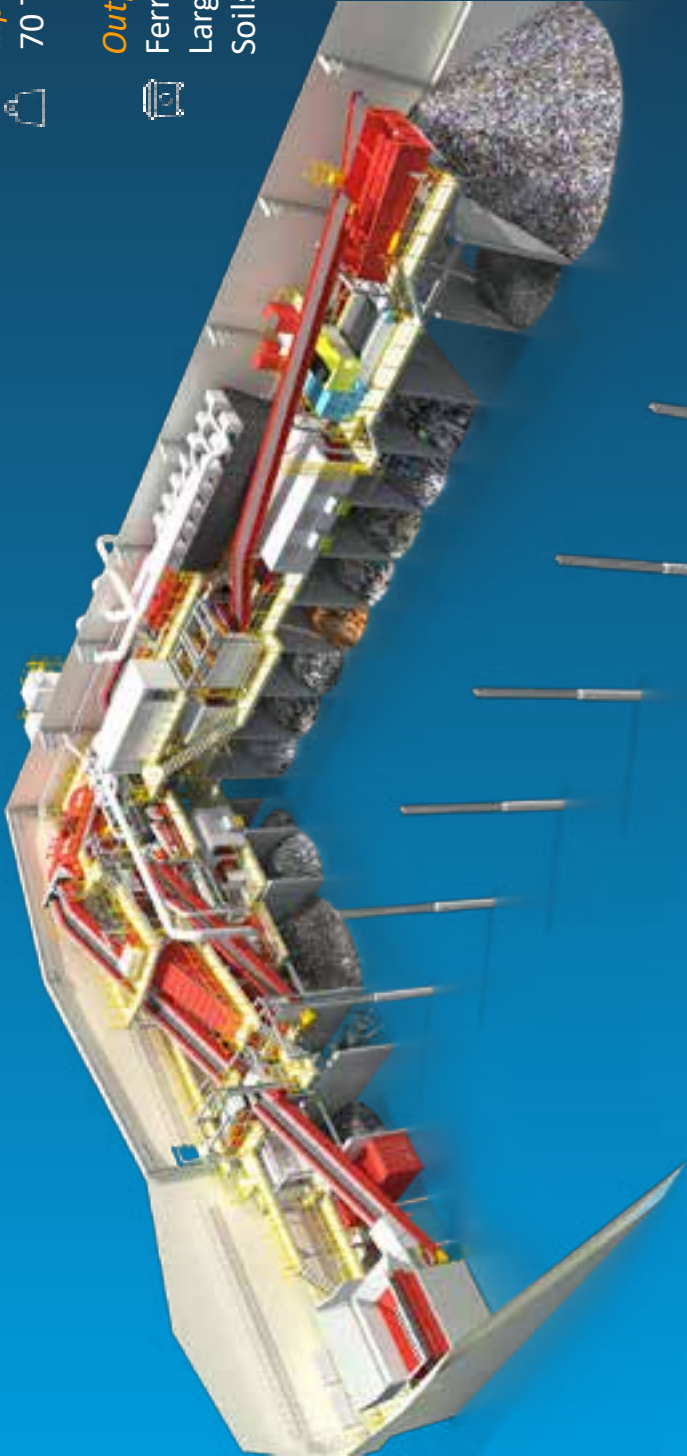
Video Link:
<https://youtu.be/jM1pgtjX8eY?si=gQOujVIA7Hw8tJg>



Case Study | JOD



Replaced existing MRF to increase capacity and improve the quality of recycled materials to include wood, ferrous, non-ferrous, plastics, aggregates & RDF



Client:
JOD Group

Location:
Edmonton, London, UK

Input Waste (Tonnes):
70 TPH C&D / C&I

Output Streams:
Ferrous, Non-Ferrous, Wood, Large Aggregates, Small Stone, Soils, Baled RDF & SRF

Case Study | Rino



Client:
Rino

Location:
Brisbane, Australia

Input Waste (Tonnes):
475 C&D/C&I

Output Streams:
Ferrous, Non-ferrous, Hardcore, Plastics, Chipped Wood, RDF, Soils & Graded Aggregates

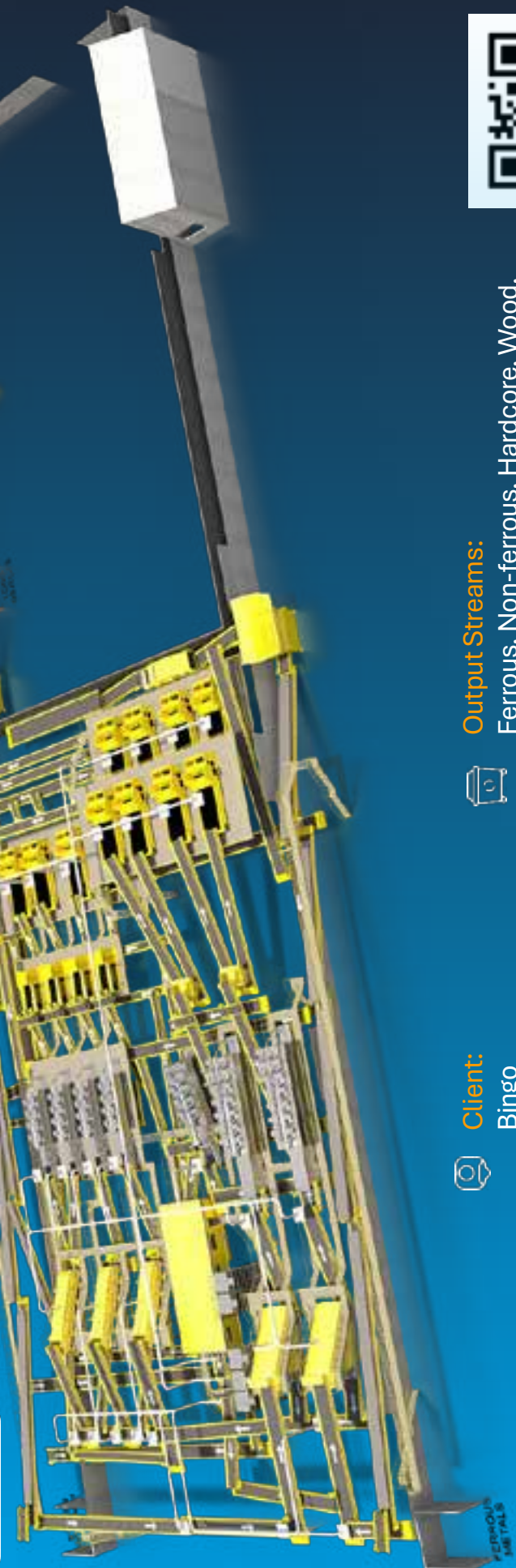
Video Link:
www.youtube.com/watch?v=4ZuIRQtK9no



Case Study | Bingo Industries

TURMEC

300
TPH



Client:
Bingo



Location:
Eastern Creek, NSW
Australia



Input Waste (Tonnes):
300TPH Mixed Skip Waste



Output Streams:
Ferrous, Non-ferrous, Hardcore, Wood,
RDF, Fines & Aggregates



Video Link:
www.youtube.com/watch?v=mY8C4X0PVEo



**The Environmental
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Engineering Better Waste Management

Experts in total waste management of solid, liquid and gaseous waste.



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Offering Industry Leading Balers

Kadant PAAL is a leading manufacturer of baling presses, specialising in the design and manufacture of high-performance balers and ancillary equipment.

Over the course of our history, Kadant PAAL has delivered more than 31,000 machines that support our customers in their day-to-day operations.

KONTI SERIES BALER

Kadant PAAL's KONTI automatic channel baler delivers high throughput and bale weights with low energy consumption.

The PAAL KONTI range is offered with either a vertical tie, horizontal tie, or with a cross tie option for more difficult material. The PAAL KONTI balers can be supplied with pre-baling options such as a ruffler or perforator to maximise performance with particular material types.

The robust construction of the KONTI balers delivers optimum performance and reliability, even under the most demanding operating conditions.



History, Quality, and Precision Kadant PAAL Balers

For more than 150 years, our robust and advanced designs have delivered unrivalled performance and reliability at the lowest possible cost of ownership.

Features

- ✓ Optimised knife, stamper, and channel design
- ✓ Modern axial piston pumps with low drive power
- ✓ Advanced positional ram measurement system
- ✓ Large doors on both sides of the press chamber and at the rear section of the baler to ease maintenance
- ✓ PLC offering remote access and service as well as high resolution operator panel
- ✓ Automatic tying system using steel wire or PET wire
- ✓ Real time access to the baler's performance and operational data provided by the PAALconnect app

Benefits

- ✓ High throughput and bale weights
- ✓ Low energy consumption
- ✓ Easy access to tying unit via optional ladder to three-sided platform
- ✓ Simple operation and maintenance
- ✓ Low total cost of ownership

KONTI 275 - 425 BALER



Kadant PAAL's KONTI channel baler features high throughput and bale weights with low energy consumption.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 31,000 machines and today is the #1 channel baler manufacturer in Europe.

KONTI J-Series Baler Overview



Features

- Vertical tying system and additional horizontal tying system for difficult materials
- Tying system using steel or PET wire
- Modern axial piston pumps with low di power
- Advanced positional ram measurement system
- Larger door at rear section of baler
- Improved app-oriented operator interf and PLC with remote maintenance
- XL-Version especially designed for balir plastics

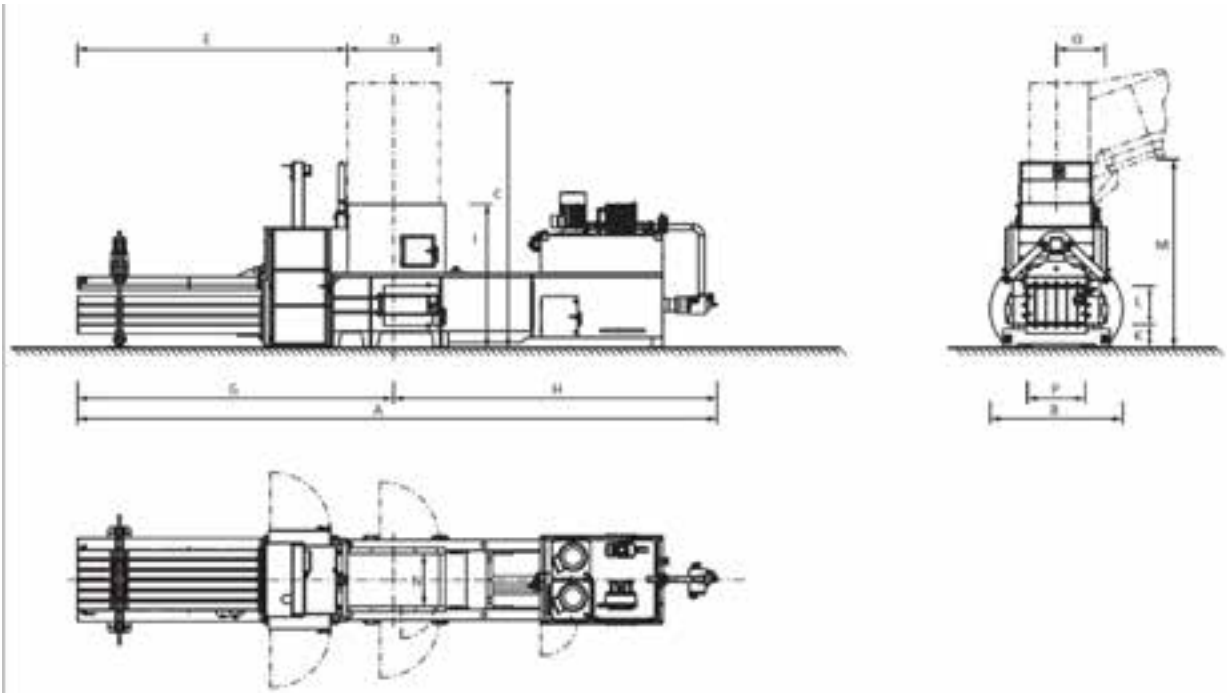


Benefits

- High throughput and bale weights
- Low energy consumption
- Simple operation and maintenance
- Low total cost of ownership

Technical Data and Measurements

KONTI Baler J- Series			275	325	425
Pressing force	t (kN)		82 (802)	101 (990)	122 (1.197)
Spec. pressing force	N/cm²		97	120	145
Hydraulic reference pressure	bar		315	315	315
Tunnel cross section	cm		75 x 110	75 x 110	75 x 110
Hopper opening	cm		160/175 x 102	175/200 x 102	200 x 102
Feeding volume	ca.m³		2.0	2.15	2.4
Tying system (V-vertical, H-horizontal, X-crossed) & Number of wires	Type - pieces		V-5 / H-0 / X-5+3	V-5 / H-0 / X-5+3	V-5 / H-0 / X-5+3
Driving power (ranging from - to)	kW		37 - 2 x 45	37 - 2 x75	45 - 3 x 75
Hydraulic pump flow (ranging from - to)	l/min		260 - 2 x 260	260 - 2 x 420	260 - 3 x 420
Oil reservoir capacity (ranging from - to)	l		750 - 1250	750 - 2100	750 - 3100
Maximum performance without material (ranging from - to)	max. m³/h		415 - 720	350 - 883	298 - 1049
			Baler Capacity (Tonnes per Hour)		
• 15 kg/m³ (e.g. foil) (ranging from - to)	ca t/h		4 - 7	3 - 9	3 - 11
• 35 kg/m³ (e.g. flattened OCC) (ranging from - to)	ca t/h		9 - 17	7 - 21	7 - 26
• 60 kg/m³ (e.g. mixed paper) (ranging from - to)	ca t/h		15 -28	12 - 35	12 - 42
• 80 kg/m³ (e.g. mixed paper) (ranging from - to)	ca t/h		18 - 35	16 - 43	15 - 53
• 100 kg/m³ (e.g. newspaper, magazines) (ranging from - to)	ca t/h		22 - 40	18 - 49	18 - 60
Baler weight (dependent on options)	t		26	31	36
Sound level without material at 1 m distance	dB(A)		< 85	< 85	< 85



KONTI 275	A*	B	C	D	E*	G*	H*	I	K	L	M	N	O	P	R
Vertical	11005	2230	5150	1600	4432	5232	5773	2800	450	750	3670	1020	860	1100	-
Crossed	11005	2230	5150	1600	4432	5232	5773	2800	450	750	3670	1020	860	1100	3388

KONTI 325	A*	B	C	D	E*	G*	H*	I	K	L	M	N	O	P	R
Vertical	12085	2530	5150	1750	5132	6007	6078	2800	450	750	3670	1020	860	1100	-
Crossed	12085	2530	5150	1750	5132	6007	6078	2800	450	750	3670	1020	860	1100	3388

KONTI 425	A*	B	C	D	E*	G*	H*	I	K	L	M	N	O	P	R
Vertical	13290	2650	5150	2000	5732	6732	6558	2800	450	750	3670	1020	860	1100	-
Crossed	13290	2650	5150	2000	5732	6732	6558	2800	450	750	3670	1020	860	1100	3388

Dimensions are in millimeters.

*Maximum length for specified hopper opening

Specifications are for reference only and subject to change.

PAAL®

KONTI 500 - 700 BALER

J-Series



Kadant PAAL's channel baler features high throughput and bale weights with low energy consumption.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 31,000 machines and today is the #1 channel baler manufacturer in Europe.

KONTI J-Series Baler Overview



Features

- Vertical, horizontal or cross tying system for difficult materials
- Tying system using steel or PET wire
- Modern axial piston pumps with low drive power
- Advanced positional ram measurement system
- Larger door at rear section of baler
- Improved app-oriented operator interface and PLC with remote maintenance
- XL-Version especially designed for baling plastics



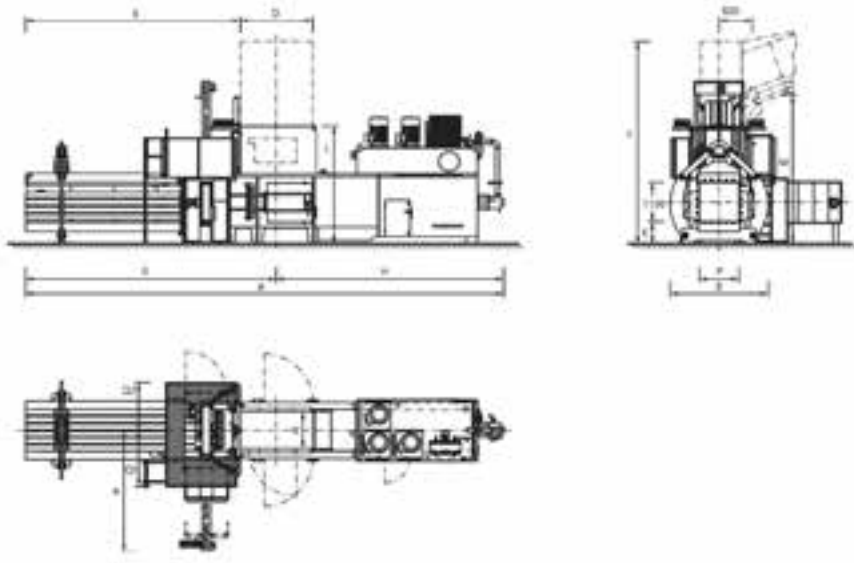
Benefits

- High throughput and bale weights
- Low energy consumption
- Simple operation and maintenance
- Low total cost of ownership

PAAL®

Technical Data and Measurements

KONTI Balers J- Series			500	600	700
Pressing force	t (kN)		122 (1.197)	158 (1.546)	198 (1.940)
Spec. pressing force	N/cm²		99	128	160
Hydraulic reference pressure	bar		315	315	315
Tunnel cross section	cm		110 x 110	110 x 110	110 x 110
Hopper opening	cm		200 x 102	200 x 102	200 x 102
Feeding volume	ca.m³		3.45	3.45	3.45
Tying system (V-vertical, H-horizontal, X-crossed) & Number of wires	Type - pieces		V-5 / H-5 / X-5+4	V-5 / H-5 / X-5+4	V-5 / H-5 / X-5+4
Driving power (ranging from - to)	kW		45 - 2 x 75	2 x 37 - 3 x 75	2 x 45 - 4 x 75
Hydraulic pump flow (ranging from - to)	l/min		260 - 2 x 420	2 x 260 - 3 x 420	2 x 260 - 4 x 420
Oil reservoir capacity (ranging from - to)	l		750 - 2100	1250 - 3100	1250 - 4000
Maximum performance without material (ranging from - to)	max. m³/h		429 - 1135	631 - 1267	518 - 1323
			Baler Capacity (Tonnes per Hour)		
• 15 kg/m³ (e.g. foil) (ranging from - to)	ca t/h		4 - 12	6 - 14	5 - 15
• 35 kg/m³ (e.g. flattened OCC) (ranging from - to)	ca t/h		10 - 28	14 - 32	12 - 33
• 60 kg/m³ (e.g. mixed paper) (ranging from - to)	ca t/h		17 - 44	23 - 51	21 - 54
• 80 kg/m³ (e.g. mixed paper) (ranging from - to)	ca t/h		22 - 55	29 - 64	26 - 69
• 100 kg/m³ (e.g. newspaper, magazines) (ranging from - to)	ca t/h		25 - 60	34 - 73	32 - 80
Baler weight (dependent on options)	t		41	48	56
Sound level without material at 1 m distance	dB(A)		< 85	< 85	< 85



KONTI 500	A	B	C	D	E	G	H	I	K	L	M	N	P	Q1	Q2	R
Vertical	13445	2660	5640	2000	5932	6932	6513	3290	605	1100	4160	1020	1100	1615	1370	-
Horizontal	13445	2800	5465	2000	5932	6932	6513	3115	435	1100	3950	1020	1100	-	-	3390
Crossed	13445	2660	5640	2000	5932	6932	6513	3290	605	1100	4160	1020	1100	1615	1370	3388

KONTI 600	A	B	C	D	E	G	H	I	K	L	M	N	P	Q1	Q2	R
Vertical	14145	2710	5640	2000	6632	7632	6513	3290	605	1100	4160	1020	1100	1615	1370	-
Horizontal	14145	2800	5465	2000	6632	7632	6513	3115	435	1100	3950	1020	1100	-	-	3390
Crossed	14145	2710	5640	2000	6632	7632	6513	3290	605	1100	4160	1020	1100	1615	1370	3388

KONTI 700	A	B	C	D	E	G	H	I	K	L	M	N	P	Q1	Q2	R
Vertical	14895	2810	5640	2000	7332	8332	6563	3290	605	1100	4160	1020	1100	1615	1370	-
Horizontal	14895	2800	5465	2000	7332	8332	6563	3115	435	1100	3950	1020	1100	-	-	3390
Crossed	14895	2810	5640	2000	7332	8332	6563	3290	605	1100	4160	1020	1100	1615	1370	3388

Dimensions are in millimeters.

Specifications are for reference only and subject to change.

KONTI W BALER

J-Series



Channel Baling Press with Horizontal Wire Tying for Waste Applications
Kadant PAAL's KONTI W channel baler is designed to guarantee performance in demanding applications. The tying system, which can be operated with either steel or plastic wire, has been specially designed to function effectively in wet and dirty environments.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 30,000 machines and today is the #1 channel baler manufacturer in Europe.

KONTI W J-Series Baler Overview

Features

- Adjustable upper sliding guides instead of rollers
- Ram cover and channel walls bolted for ease of replacement
- Exchangeable HARDOX® wear plates for press chamber walls
- Hydraulic sidewall slot covers and carefully sited splash guards
- Special tying unit motors
- Hard-wearing bearings integrated in replaceable mounting sleeves

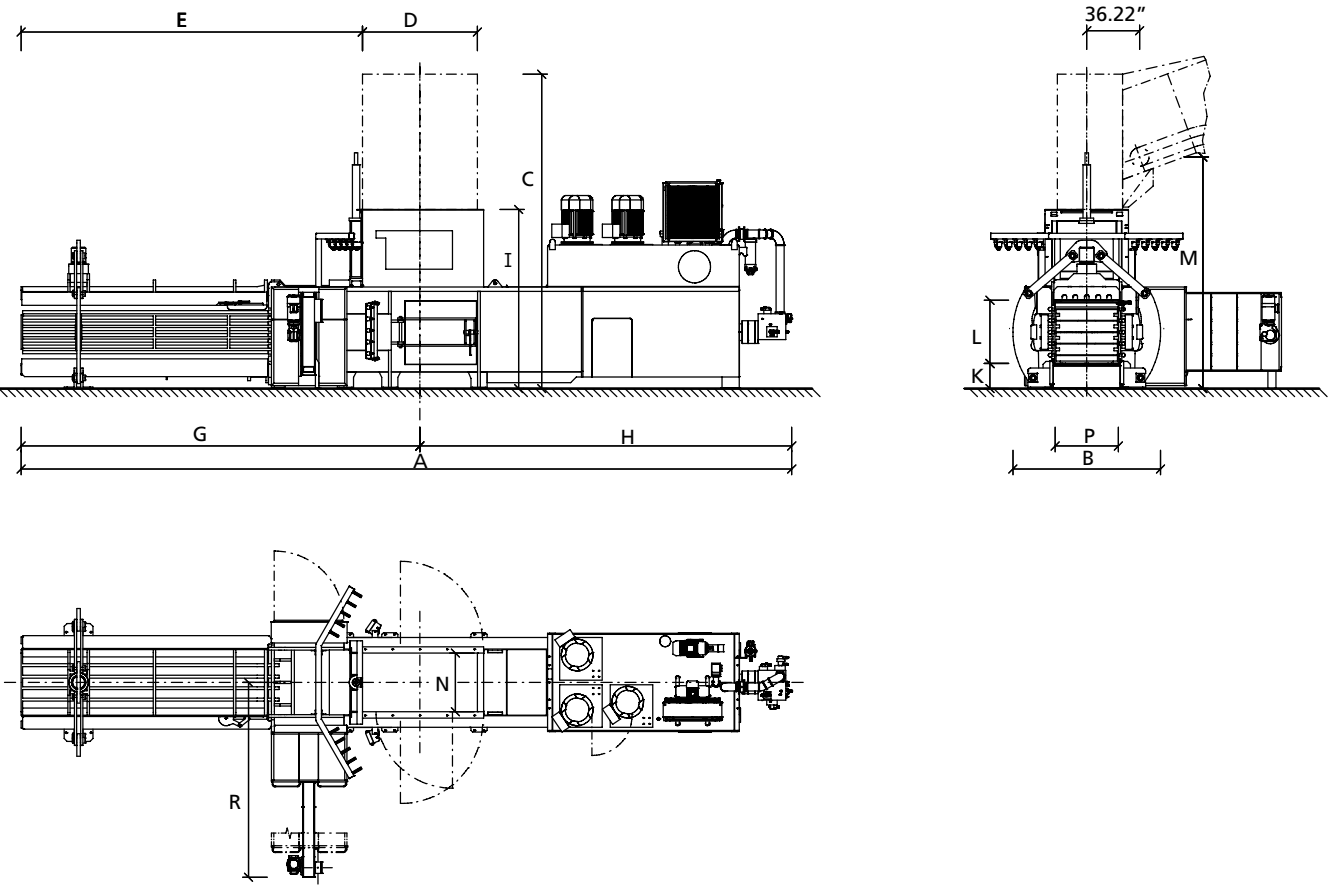
Benefits

- Protection against water ingress
- Tying unit protected from contamination
- Increased durability
- Low cost of ownership



Technical Data and Measurements

KONTI W Baler J-Series		500				600				700			
Pressing force	t (kN)	122 (1.197)				158 (1.546)				198 (1.940)			
Spec. pressing force	N/cm²	99				128				160			
Tunnel cross section	cm	110 x 110				110 x 110				110 x 110			
Hopper opening	cm	200 x 102				200 x 102				200 x 102			
Feeding volume	ca. m³	3.45				3.45				3.45			
Number of wires	pieces	5				5				5			
Driving power	kW	45	55	2 x 45	2 x 75	2 x 37	2 x 45	2 x 55	3 x 75	2 x 45	2 x 55	3 x 55	4 x 75
Press output (ideal)	max. m³/h	430	650	780	1135	630	630	930	1265	520	775	1070	1320
Press output (under load – 150 kg/m³)	max. m³/h	200	260	345	480	270	300	385	580	250	330	460	640
Press Capacity (Weight)													
• 150 kg/m³	ca. t/h	30	39	52	72	40	45	58	87	38	50	69	96
• 200 kg/m³	ca. t/h	35	46	60	84	48	53	67	102	44	58	81	112
• 300 kg/m³	ca. t/h	43	52	75	105	55	63	77	124	55	67	93	136



	A	B	C	D	E	G	H	I	K	L	M	N	P	R
KONTI W 500 J	12831	2800	5465	2000	5437	6437	6394	3115	435	1100	3950	1020	1100	3390
KONTI W 600 J	13339	2800	5465	2000	5937	6937	6402	3115	435	1100	3950	1020	1100	3390
KONTI W 700 J	14055	2800	5465	2000	6637	7637	6418	3115	435	1100	3950	1020	1100	3390

Dimensions are in millimeters.

PACOMAT SERIES BALER

Kadant PAAL's range of PACOMAT channel baling presses, which is offered with either vertical or horizontal wire tying, is the ideal baler for most grades of paper, cardboard, cartons, foils, and many other materials.



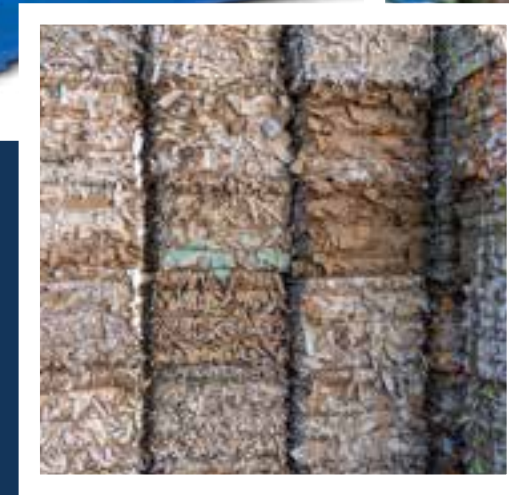
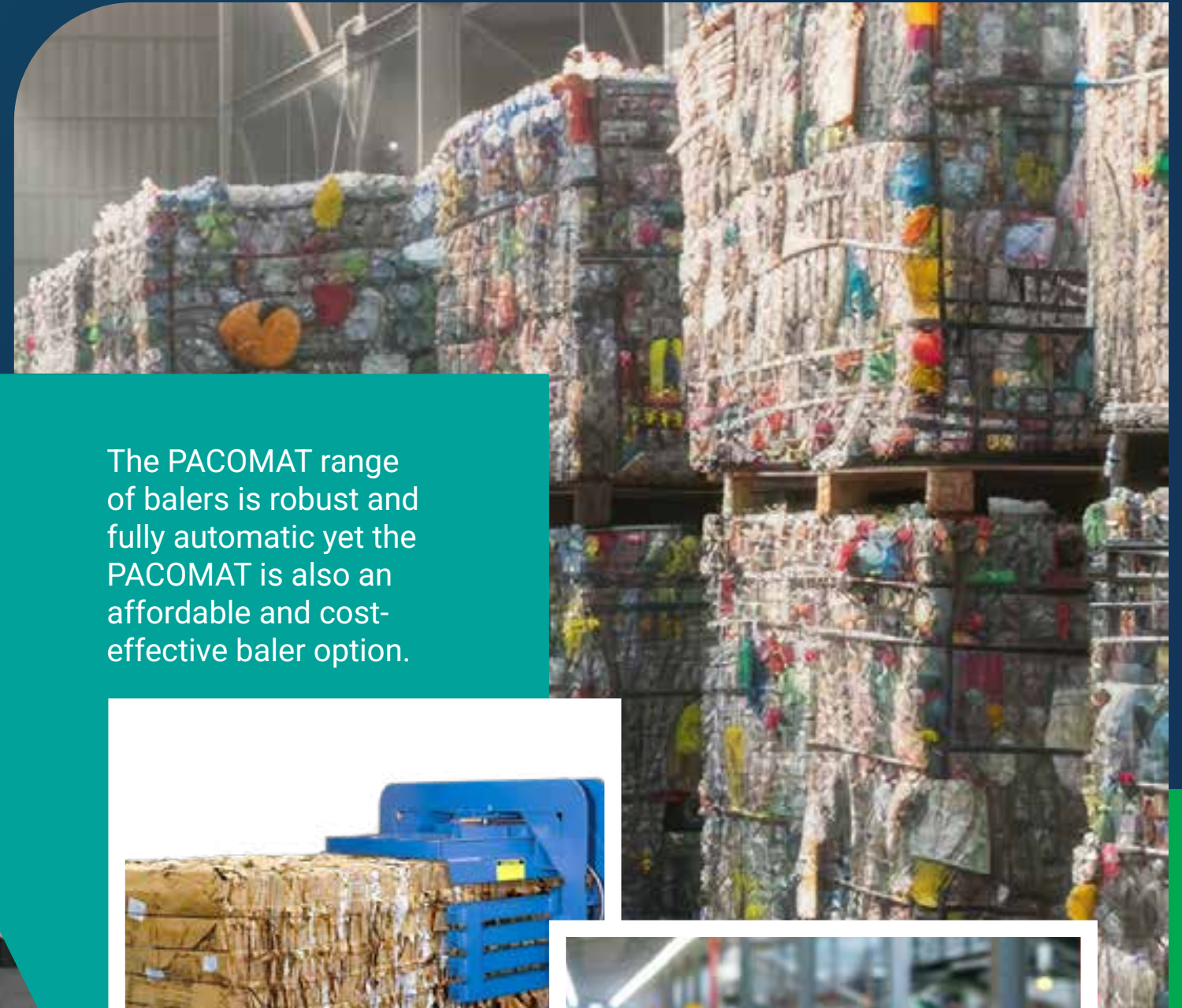
The PACOMAT range of balers is robust and fully automatic yet the PACOMAT is also an affordable and cost-effective baler option.

Features

- ✓ Optimised knife, stamper, and channel design
- ✓ Modern axial piston pumps with low drive power
- ✓ Densitronic control system for tunnel adjustment
- ✓ Modular feeding concept

Benefits

- ✓ High throughput and bale weights
- ✓ Low energy consumption
- ✓ Quick response to various material grades



PACOMAT II BALER

D-Series



Kadant PAAL's PACOMAT II channel baling press with horizontal wire tying system is ideal for various qualities of waste paper, cardboard, cartons, foils, and many other materials. This channel bale press is robust and fully automatic making it an economic baler option.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 31,000 machines and today is the #1 channel baler manufacturer in Europe.

PACOMAT II Baler D-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Densitronic control system for tunnel adjustment
- Modular feeding concept

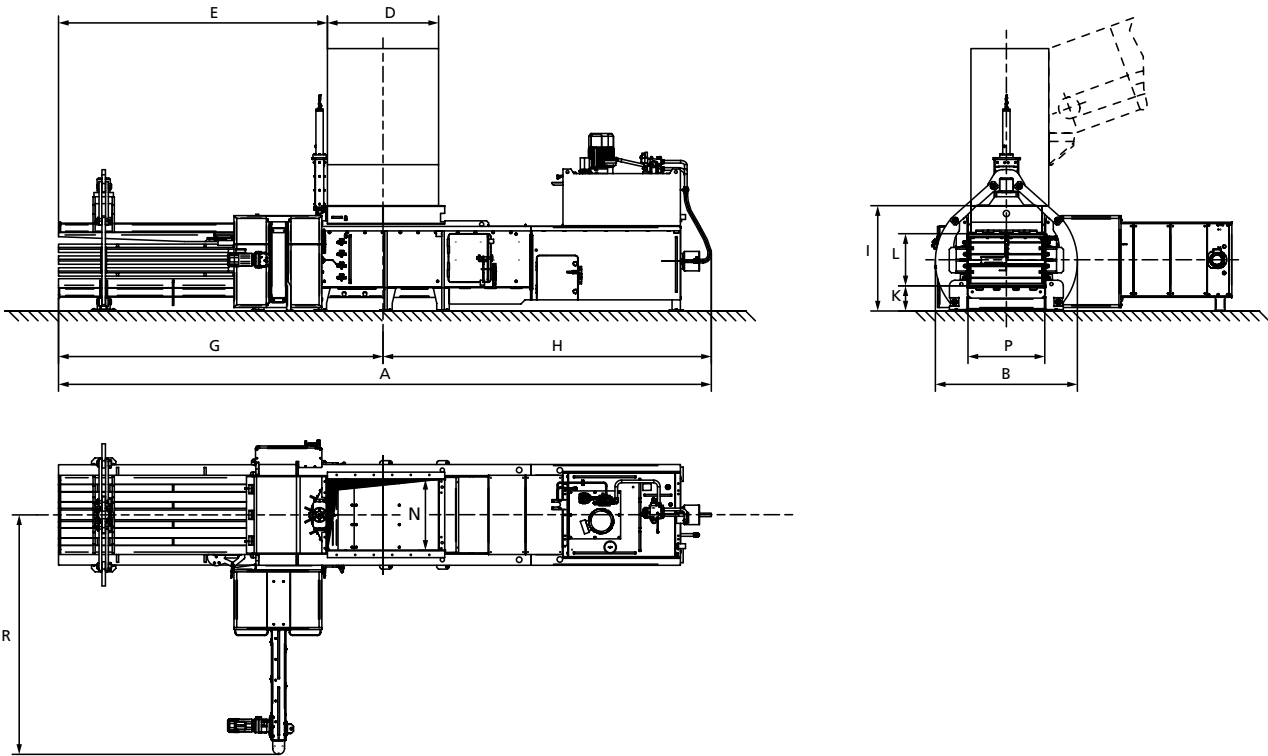


Benefits

- High throughput and bale weights
- Low energy consumption
- Quick response to various material grades

Technical Data and Measurements

PACOMAT II D-Series		II-35D		II-50D				II-65D			
Pressing force	t (kN)	36 (356)		50 (486)				65 (633)			
Spec. pressing force	N/cm ²	51		69				77			
Hydraulic reference pressure	bar	315		315				315			
Tunnel cross section	cm	100 x 70		100 x 70				100 x 70			
Hopper opening	cm	105 x 62		105 x 62				105 x 62			
Feeding volume	m ³	0,9		0,9				0,9			
Number of wires	pieces	4		4				4			
Driving power	kW	15	22	15	22	37	45	15	22	37	45
Hydraulic pump flow	l/mn	160	160	160	160	260	260	160	160	260	260
Oil reservoir capacity	l	550	550	550	550	750	750	550	550	750	750
Maximum performance without material	max. m ³ /h	450	450	352	352	509	509	280	280	413	413
Press Capacity (Weight)											
• 15 kg/m ³ (e.g. foil)	ca. t/h	2,3	2,9	1,8	2,2	3,4	3,7	1,4	1,7	2,7	3,0
• 35 kg/m ³ (e.g. flattened OCC)	ca. t/h	5,1	6,4	4,1	5,1	7,7	8,5	3,2	4,0	6,2	6,9
• 60 kg/m ³ (e.g. mixed paper)	ca. t/h	7,2	8,9	5,6	7,0	10,6	11,6	4,4	5,6	8,5	9,4
• 80 kg/m ³ (e.g. mixed paper)	ca. t/h			8,5	10,7	16,1	17,7	6,6	8,4	12,7	14,1
Baler weight (dependent on options)	t	8		8,5				9			
Sound level without material at 1m distance	dB(A)	< 85		< 85				< 85			



	A	B	D	E	G	H	I	K	L	N	P	R
PACOMAT II-35D	7251	1707	1050	2865	3390	3861	1725	310	1000	620	700	2892
PACOMAT II-50D	7215	1967	1050	2865	3390	3825	1725	310	1000	620	700	2892
PACOMAT II-65D	7825	1967	1050	3315	3840	3985	1725	350	1000	620	700	2892

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

PAAL®

PACOMAT III BALER

D-Series



Kadant PAAL's PACOMAT III channel baling press with vertical wire tying system is ideal for various qualities of waste paper, cardboard, cartons, foils, and many other materials. This channel bale press is robust and fully automatic making it an economic baler option.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 31,000 machines and today is the #1 channel baler manufacturer in Europe.

PACOMAT III Baler D-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Densitronic control system for tunnel adjustment
- Modular feeding concept

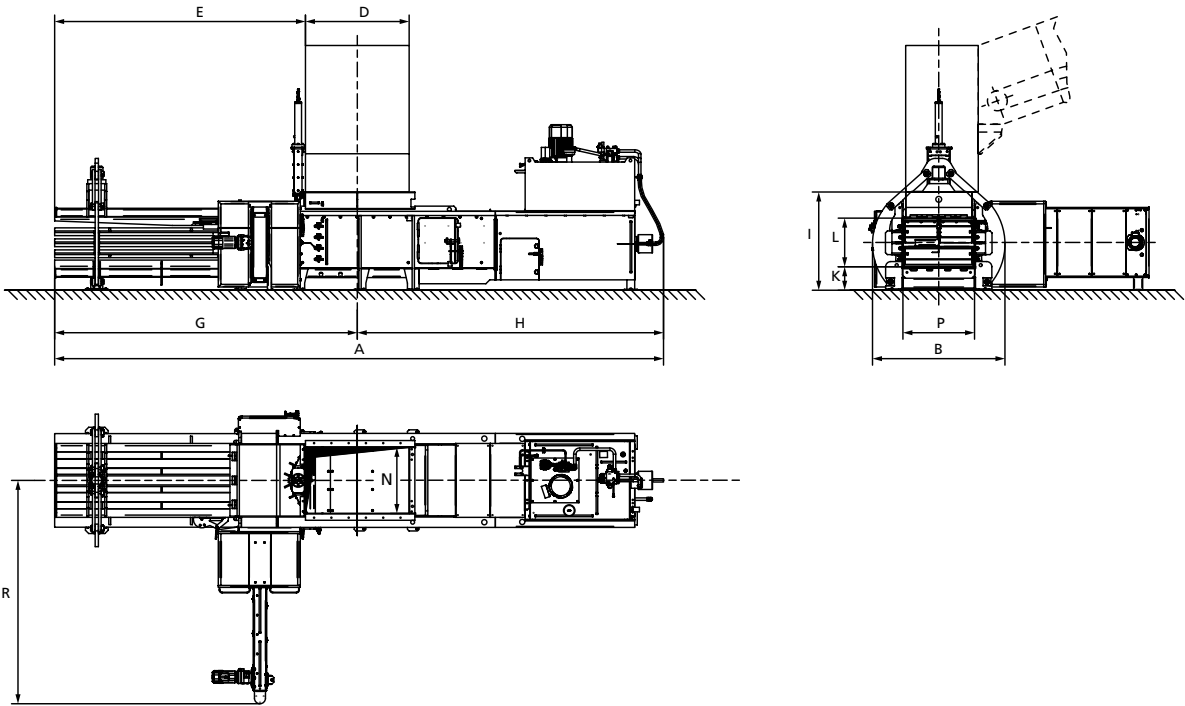


Benefits

- High throughput and bale weights
- Low energy consumption
- Quick response to various material grades

Technical Data and Measurements

PACOMAT III D-Series		III-50D				III-65D						III-80D							
Pressing force	t (kN)	50 (486)				65 (633)						82 (802)							
Spec. pressing force	N/cm²	59				77						97							
Hydraulic reference pressure	bar	315				315						315							
Tunnel cross section	cm	75 x 110				75 x 110						75 x 110							
Hopper opening	cm	125 x 102				145 x 102						160 x 102							
Feeding volume	ca.m³	1,55				1,75						1,85							
Number of wires	pieces	4				4						4							
Driving power	kW	15	22	37	45	15	22	37	45	55	75	15	22	37	45	55	75	2 x 37	2 x 45
Hydraulic pump flow	l/mn	160	160	260	260	160	160	260	260	260	260	160	160	260	260	420	420	520	520
Oil reservoir capacity	l	550	550	750	750	550	550	750	750	750	750	550	550	750	750	1250	1250	1250	1250
Maximum performance without material	max. m³/h	422	422	617	617	339	339	505	505	742	742	275	275	416	416	624	624	741	741
Press Capacity (Weight)																			
• 15 kg/m³ (e.g. foil)	ca. t/h	2,3	2,8	4,2	4,6	1,9	2,4	3,7	4,0	5,2	5,9	1,6	2,0	3,2	3,5	4,6	5,2	5,7	6,2
• 35 kg/m³ (e.g. flattened OCC)	ca. t/h	5,1	6,4	9,6	10,4	4,4	5,4	8,3	9,0	11,8	13,3	3,8	4,6	7,2	7,8	10,4	11,8	12,8	13,8
• 60 kg/m³ (e.g. mixed paper)	ca. t/h	6,9	8,6	12,8	14,0	5,9	7,3	11,1	12,2	15,6	17,7	5,0	6,3	9,8	10,8	14,0	16,1	17,2	18,7
• 80 kg/m³ (e.g. mixed paper)	ca. t/h	10,0	12,7	19,0	21,0	8,3	10,6	16,0	17,7	22,0	25,4	7,5	9,4	14,5	15,9	20,3	23,3	24,7	26,8
Baler weight (dependent on options)	t	12				13						17							
Sound level without material at 1 m distance	dB(A)	< 85				< 85						< 85							



	A	B	D	E	G	H	I	K	L	N	P	R
PACOMAT III-50D	8172	2030	1250	3475	4100	4072	1475	310	750	1020	1100	3445
PACOMAT III-65D	8826	2030	1450	3720	4445	4381	1475	310	750	1020	1100	3445
PACOMAT III-80D	9410	2044	1600	3870	4670	4740	1515	350	750	1020	1100	3445

Dimensions are in millimetres.

PAAL®

Specifications are for reference only and subject to change.

PACOMAT V BALER

D-Series



Kadant PAAL’s PACOMAT V channel baling press with vertical wire tying system is ideal for various qualities of waste paper, cardboard, cartons, foils, and many other materials. This channel bale press is robust and fully automatic making it an economic baler option.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 31,000 machines and today is the #1 channel baler manufacturer in Europe.

PACOMAT V Baler D-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Densitronic control system for tunnel adjustment
- Modular feeding concept

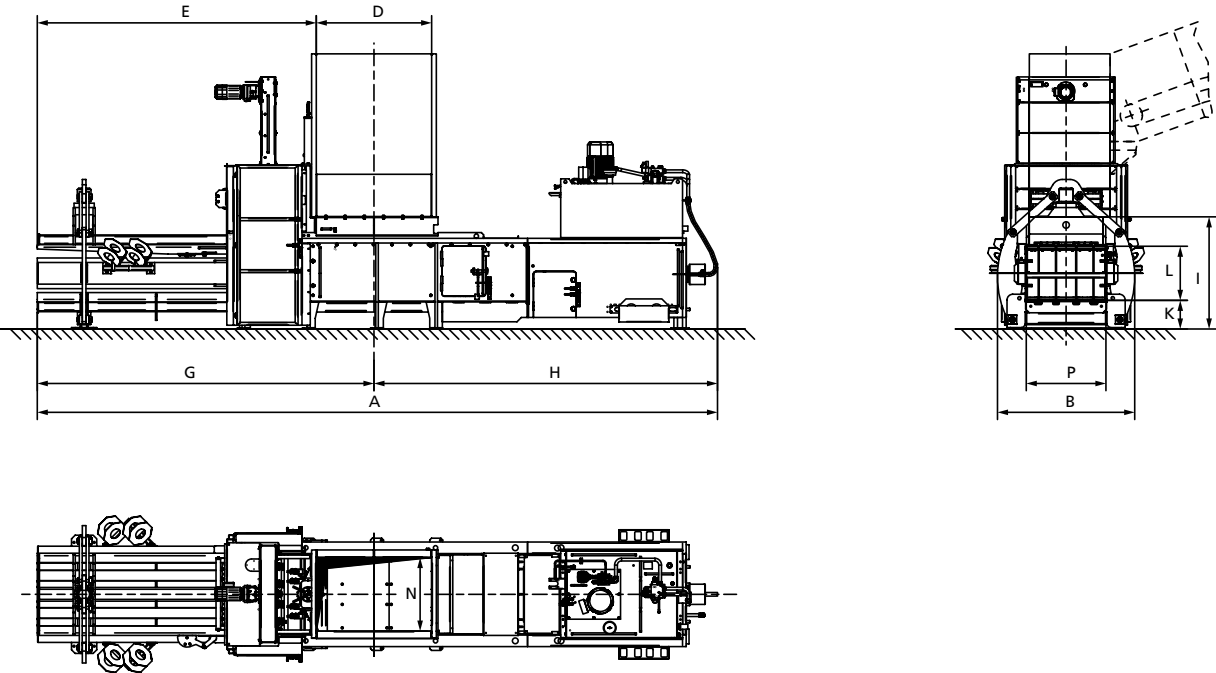


Benefits

- High throughput and bale weights
- Low energy consumption
- Quick response to various material grades

Technical Data and Measurements

PACOMAT V D-Series		V-50D				V-65D						V-80D							
Pressing force	t (kN)	50 (486)				65 (633)						82 (806)							
Spec. pressing force	N/cm²	59				77						97							
Hydraulic reference pressure	bar	315				315						315							
Tunnel cross section	cm	75 x 110				75 x 110						75 x 110							
Hopper opening	cm	125 x 102				145 x 102						160 x 102							
Feeding volume	ca. m³	1,55				1,75						1,85							
Number of wires	pieces	4				4						4							
Driving power	kW	15	22	37	45	15	22	37	45	55	75	15	22	37	45	55	75	2 x 37	2 x 45
Hydraulic pump flow	l/mn	160	160	260	260	160	160	260	260	260	260	160	160	260	260	420	420	520	520
Oil reservoir capacity	l	550	550	750	750	550	550	750	750	750	750	550	550	750	750	1250	1250	1250	1250
Maximum performance without material	max. m³/h	422	422	617	617	339	339	505	505	742	742	275	275	416	416	624	624	741	741
Press Capacity (Weight)																			
• 15 kg/m³ (e.g. foil)	ca. t/h	2,3	2,8	4,2	4,6	1,9	2,4	3,7	4,0	5,2	5,9	1,6	2,0	3,2	3,5	4,6	5,2	5,7	6,2
• 35 kg/m³ (e.g. flattened OCC)	ca. t/h	5,1	6,4	9,6	10,4	4,4	5,4	8,3	9,0	11,8	13,3	3,8	4,6	7,2	7,8	10,4	11,8	12,8	13,8
• 60 kg/m³ (e.g. mixed paper)	ca. t/h	6,9	8,6	12,8	14,0	5,9	7,3	11,1	12,2	15,6	17,7	5,0	6,3	9,8	10,8	14,0	16,1	17,2	18,7
• 80 kg/m³ (e.g. mixed paper)	ca. t/h	10,0	12,7	19,0	21,0	8,3	10,6	16,0	17,7	22,0	25,4	7,5	9,4	14,5	15,9	20,3	23,3	24,7	26,8
Baler weight (dependent on options)	t	12				13						17							
Sound level without material at 1 m distance	dB(A)	< 85				< 85						< 85							



	A	B	D	E	G	H	I	K	L	N	P
Pacomat V-50D	8212	1915	1250	3475	4100	4112	1515	350	750	1020	1100
Pacomat V-65D	8866	1915	1450	3720	4445	4421	1515	350	750	1020	1100
Pacomat V-80D	9450	1915	1600	3870	4670	4780	1555	390	750	1020	1100

Dimensions are in millimetres.

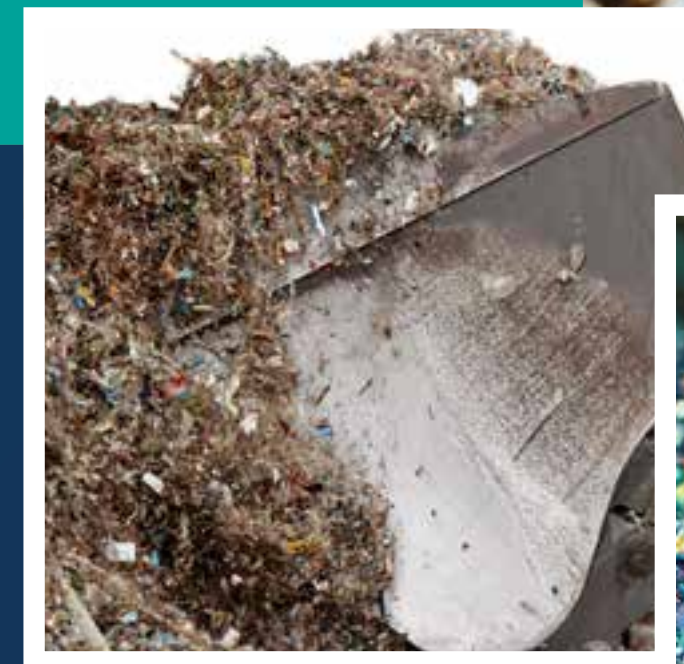
PAAL®

DOKON SERIES BALER

Kadant PAAL's DOKON, with polypropylene twine tie, is the only high performance, fully automatic channel baler in the market to offer consistent and reliable operation with a horizontal twine tying system. Especially suited for baling of RDF and SRF waste.



The PAAL DOKON range of balers provides pressing forces of between 80 and 200 tonne with bale formats of either 800 x 1100, or 1100 x 1100 mm. Unlike steel-tied bales, a DOKON bale is ideal for wrapping (no sharp edges) and for incineration as the twine burns.



Features

- ✓ Optimised knife, stamper, and channel design
- ✓ Modern axial piston pumps with low drive power
- ✓ Advanced positional ram measurement system
- ✓ Twine tying

Benefits

- ✓ High throughput and bale weights
- ✓ Low energy consumption
- ✓ Low operating costs
- ✓ Easy transport, storage, and handling
- ✓ Safer operating and handling conditions

DOKON BALER

H-Series



Kadant PAAL's DOKON fully automatic channel baler's unique design makes the PAAL DOKON baler a powerful, efficient bale press with horizontal twine tying system. The PAAL DOKON baler provides a pressing force of 90 to 218 tons and offers a bale format of 32" x 44" or 44" x 44". The combination of high pressing force, independence from the cutting and compressing process, and patented pre-press setting combined with individual channel adjustment lead to high quality baling results.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 30,000 machines and today is the #1 channel baler manufacturer in Europe.



DOKON Baler H-Series Overview

Features

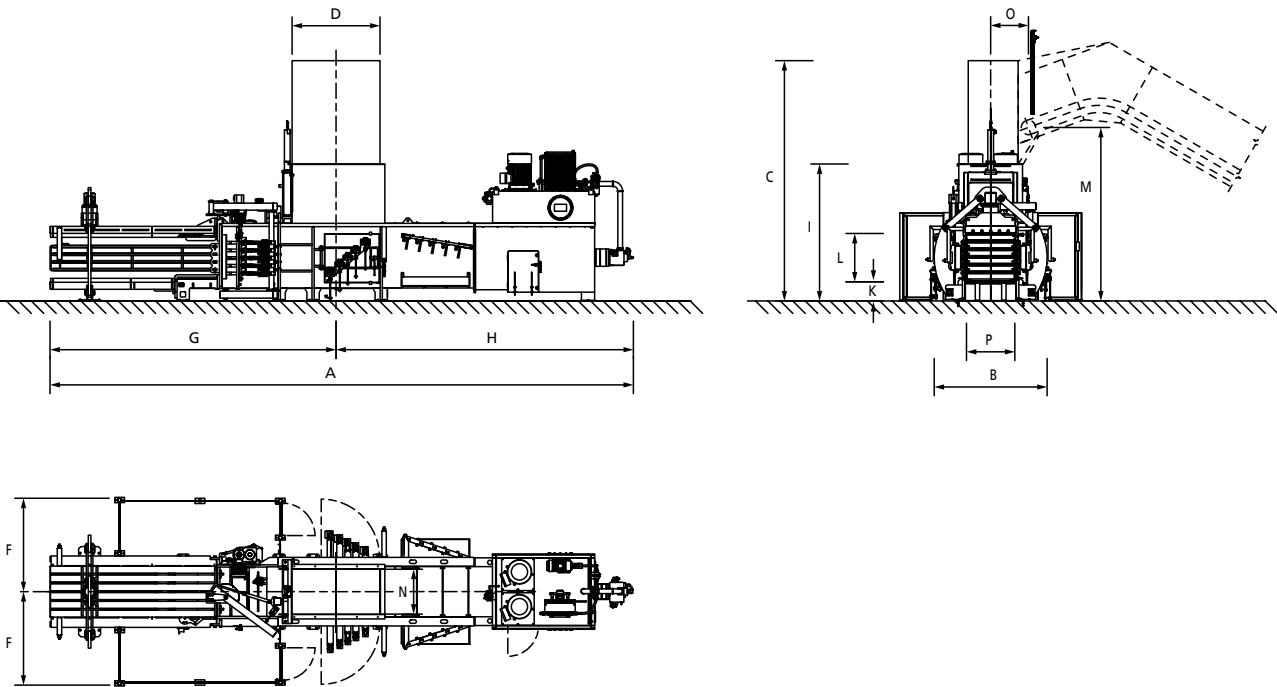
- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Advanced positional ram measurement system
- Twine tying

Benefits

- High throughput and bale weight
- Low energy consumption
- Easy disposal and no interference in a waste incineration process of the twine
- Low operation and maintenance costs
- Easy transport, storage, and handling of the spools
- Increased safety
- Low consumable costs by twine (approximately half the costs compared to wire)

Technical Data and Measurements

DOKON H-Series		275 H			500 H			600 H			700 H		
Pressing force	t (kN)	82 (802)			122 (1.197)			158 (1.546)			198 (1.940)		
Spec. pressing force	N/cm²	91			99			128			160		
Tunnel cross section	cm	80 x 110			110 x 110			110 x 110			110 x 110		
Hopper opening	cm	160 x 102			200 x 102			200 x 102			200 x 102		
Feeding volume	ca. m³	2.1			3.45			3.45			3.45		
Number of twine tyings	pieces	4			5			5			5		
Driving power	kW	15	55	2 x 45	45	55	2 x 75	2 x 37	2 x 55	3 x 75	2 x 45	3 x 55	4 x 75
Press output (ideal)	max. m³/h	304	610	720	430	650	1135	630	930	1,265	520	1,070	1,325
Press output (under load – 100 kg/m³)	max. m³/h	106	300	370	250	325	600	340	480	725	315	575	800
Press Capacity (Weight at RDF)													
• 100 kg/m³	ca. t/h	10.5	30	37	25	33	60	34	48	72.5	31.5	57.5	80
• 150 kg/m³	ca. t/h	14.5	38	48	30	39	72	40.5	58	87	37.5	69	96
• 200 kg/m³	ca. t/h	18	41	51	35	46	84	48	67	102	44	81	112



	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 275 H	11500	2354	5185	1600	2050	5307	6193	2835	435	800	3650	1020	920	1100
DOKON 500 H	13300	2569	5465	2000	2050	6507	6793	3115	435	1100	3930	1020	920	1100
DOKON 600 H	13800	2684	5465	2000	2050	7007	6793	3115	435	1100	3930	1020	920	1100
DOKON 700 H	14650	2684	5465	2000	2050	7707	6943	3115	435	1100	3930	1020	920	1100

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

DOKON 275 BALER

H2-Series



Kadant PAAL's DOKON fully automatic channel baler's unique design makes the PAAL DOKON baler a powerful, efficient bale press with horizontal twine tying system. The PAAL DOKON baler provides a pressing force of 90 to 218 tons and offers a bale format of 32" x 44" or 44" x 44". The combination of high pressing force, independence from the cutting and compressing process, and patented pre-press setting combined with individual channel adjustment lead to high quality baling results.

Today's Kadant PAAL GmbH was founded as the PAAL printing works in 1854 in Osnabrück, Germany before concentrating on manufacturing balers in 1906 since when it has delivered more than 31,000 machines. PAAL launched the first continuously operated horizontal baler in 1960 and today is firmly established as the #1 channel baler manufacturer in Europe.

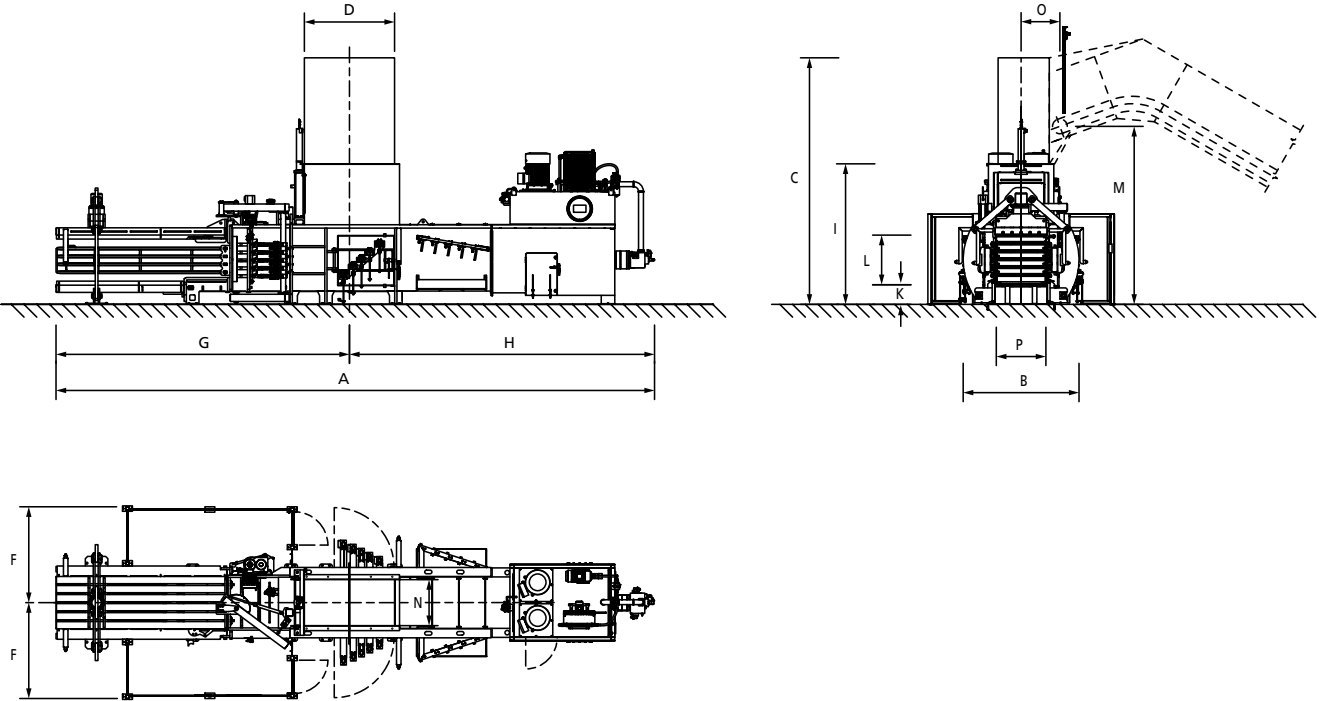


DOKON Baler H2-Series Overview

- **Features**
 - Optimised knife, stamper, and channel design
 - Modern axial piston pumps with low drive power
 - Advanced positional ram measurement system
 - Twine tying
- **Benefits**
 - High throughput and bale weight
 - Low energy consumption
 - Easy disposal and no interference in a waste incineration process of the twine
 - Low operation and maintenance costs
 - Easy transport, storage, and handling of the spools
 - Increased safety
 - Low consumable costs by twine (approximately half the costs compared to wire)

Technical Data and Measurements

DOKON Baler H2-Series		275							
Pressing force	t (kN)	82 (802)							
Spec. pressing force	N/cm²	91							
Hydraulic reference pressure	bar	315							
Tunnel cross section	cm	80 x 110							
Hopper opening	cm	160 x 102							
Feeding volume	ca. m³	2,1							
Number of wires	pieces	4							
Driving power	kW	15	22	37	45	55	75	2 x 37	2 x 45
Hydraulic pump flow	l/min	110	110	260	260	420	420	2 x 260	2 x 260
Oil reservoir capacity	l	550	550	750	750	1250	1250	1250	1250
Maximum performance without material	m³/h	304	304	415	415	611	611	720	720
Press Capacity (Weight)									
• 100 kg/m³ (ej. CSR)	ca. t/h	11	13	22	24	30	33	36	37
• 150 kg/m³ (ej. CSR)	ca. t/h	15	18	29	31	38	43	45	48
• 200 kg/m³ (ej. CSR)	ca. t/h	18	23	31	33	41	46	48	51
Baler weight (dependent on options)	t	25							
Sound level without material at 1 m distance	dB(A)	< 85							



	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 275 H2	11500	2354	5185	1600	2050	5307	6193	2835	435	800	3650	1020	920	1100

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

DOKON 500 BALER

H2-Series



Kadant PAAL's DOKON fully automatic channel baler's unique design makes the PAAL DOKON baler a powerful, efficient bale press with horizontal twine tying system. The PAAL DOKON baler provides a pressing force of 90 to 218 tons and offers a bale format of 32" x 44" or 44" x 44". The combination of high pressing force, independence from the cutting and compressing process, and patented pre-press setting combined with individual channel adjustment lead to high quality baling results.

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DOKON Baler H2-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Advanced positional ram measurement system
- Twine tying

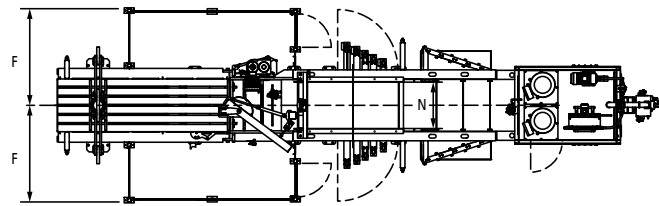
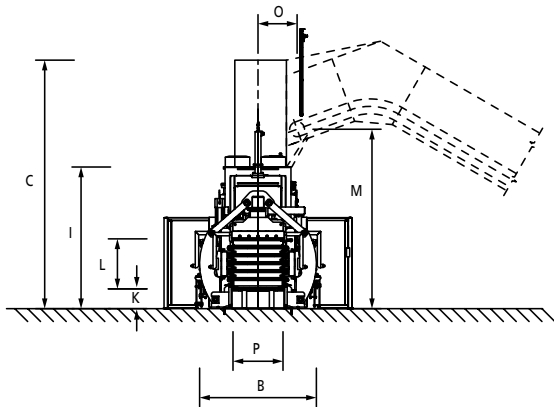
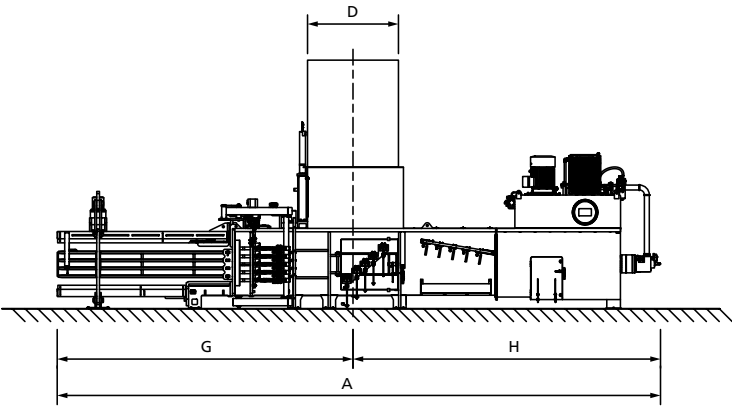


Benefits

- High throughput and bale weight
- Low energy consumption
- Easy disposal and no interference in a waste incineration process of the twine
- Low operation and maintenance costs
- Easy transport, storage, and handling of the spools
- Increased safety
- Low consumable costs by twine (approximately half the costs compared to wire)

Technical Data and Measurements

DOKON Baler H2-Series		500						
Pressing force	t (kN)	122 (1197)						
Spec. pressing force	N/cm²	99						
Hydraulic reference pressure	bar	315						
Tunnel cross section	cm	110 x 110						
Hopper opening	cm	200 x 102						
Feeding volume	ca. m³	3,45						
Number of wires	pieces	5						
Driving power	kW	45	55	75	2 x 37	2 x 45	2 x 55	2 x 75
Hydraulic pump flow	l/min	260	420	420	2 x 260	2 x 260	2 x 420	2 x 420
Oil reservoir capacity	l	750	1250	1250	1250	1250	2100	2100
Maximum performance without material	m³/h	429	650	650	782	782	1135	1135
Press Capacity (Weight)								
• 100 kg/m³ (ej. CSR)	ca. t/h	25	33	37	40	43	54	60
• 150 kg/m³ (ej. CSR)	ca. t/h	30	39	44	47	52	65	72
• 200 kg/m³ (ej. CSR)	ca. t/h	35	46	52	55	60	75	84
Baler weight (dependent on options)	t	40						
Sound level without material at 1 m distance	dB(A)	< 85						



	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 500 H2	13300	2569	5465	2000	2050	6507	6793	3115	435	1100	3930	1020	920	1100

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

DOKON 600 BALER

H2-Series



Kadant PAAL’s DOKON fully automatic channel baler’s unique design makes the PAAL DOKON baler a powerful, efficient bale press with horizontal twine tying system. The PAAL DOKON baler provides a pressing force of 90 to 218 tons and offers a bale format of 32” x 44” or 44” x 44”. The combination of high pressing force, independence from the cutting and compressing process, and patented pre-press setting combined with individual channel adjustment lead to high quality baling results.

Today’s Kadant PAAL GmbH was founded as the PAAL printing works in 1854 in Osnabrück, Germany before concentrating on manufacturing balers in 1906 since when it has delivered more than 31,000 machines. PAAL launched the first continuously operated horizontal baler in 1960 and today is firmly established as the #1 channel baler manufacturer in Europe.

PAAL®

DOKON Baler H2-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Advanced positional ram measurement system
- Twine tying

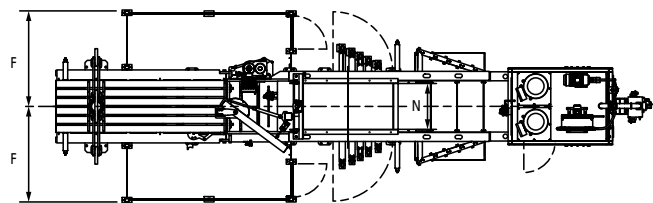
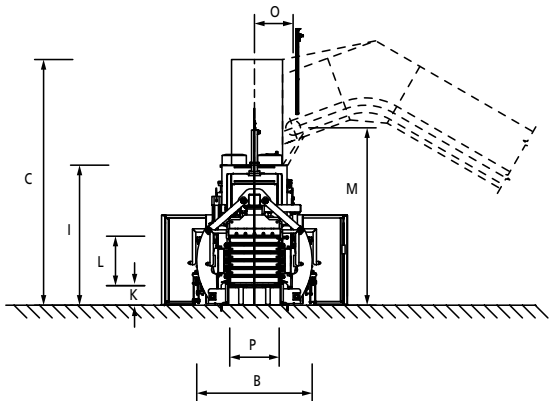
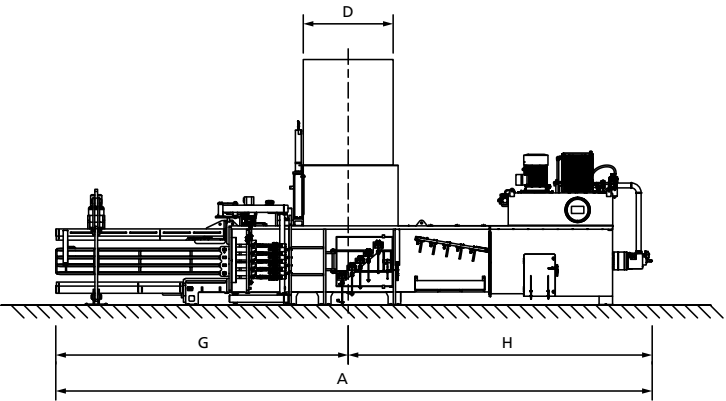


Benefits

- High throughput and bale weight
- Low energy consumption
- Easy disposal and no interference in a waste incineration process of the twine
- Low operation and maintenance costs
- Easy transport, storage, and handling of the spools
- Increased safety
- Low consumable costs by twine (approximately half the costs compared to wire)

Technical Data and Measurements

DOKON Baler H2-Series		600					
Pressing force	t (kN)	122 (1197)					
Spec. pressing force	N/cm²	99					
Hydraulic reference pressure	bar	315					
Tunnel cross section	cm	110 x 110					
Hopper opening	cm	200 x 102					
Feeding volume	ca. m³	3,45					
Number of wires	pieces	5					
Driving power	kW	2 x 37	2 x 45	2 x 55	2 x 75	3 x 55	3 x 75
Hydraulic pump flow	l/min	2 x 260	2 x 260	2 x 420	2 x 420	3 x 420	3 x 420
Oil reservoir capacity	l	1250	1250	2100	2100	3100	3100
Maximum performance without material	m³/h	631	631	933	933	1267	1267
Press Capacity (Weight)							
• 100 kg/m³ (ej. CSR)	ca. t/h	34	38	48	55	65	73
• 150 kg/m³ (ej. CSR)	ca. t/h	41	45	58	66	77	87
• 200 kg/m³ (ej. CSR)	ca. t/h	48	53	67	77	90	102
Baler weight (dependent on options)	t	42					
Sound level without material at 1 m distance	dB(A)	< 85					



	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 600 H2	13800	2684	5465	2000	2050	7007	6793	3115	435	1100	3930	1020	920	1100

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

DOKON 700 BALER

H2-Series



Kadant PAAL's DOKON fully automatic channel baler's unique design makes the PAAL DOKON baler a powerful, efficient bale press with horizontal twine tying system. The PAAL DOKON baler provides a pressing force of 90 to 218 tons and offers a bale format of 32" x 44" or 44" x 44". The combination of high pressing force, independence from the cutting and compressing process, and patented pre-press setting combined with individual channel adjustment lead to high quality baling results.

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PAAL®

DOKON Baler H2-Series Overview



Features

- Optimised knife, stamper, and channel design
- Modern axial piston pumps with low drive power
- Advanced positional ram measurement system
- Twine tying

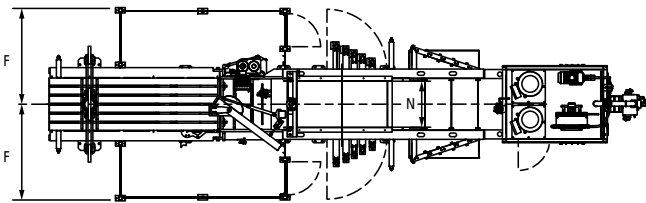
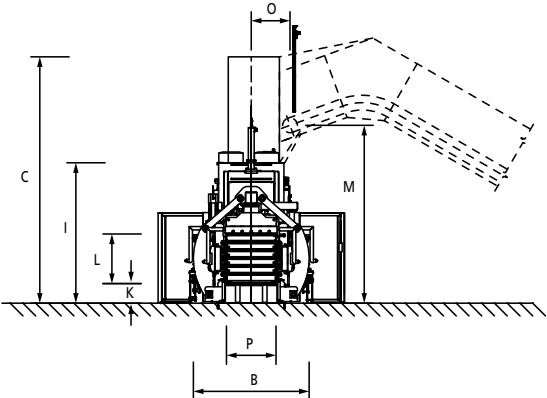
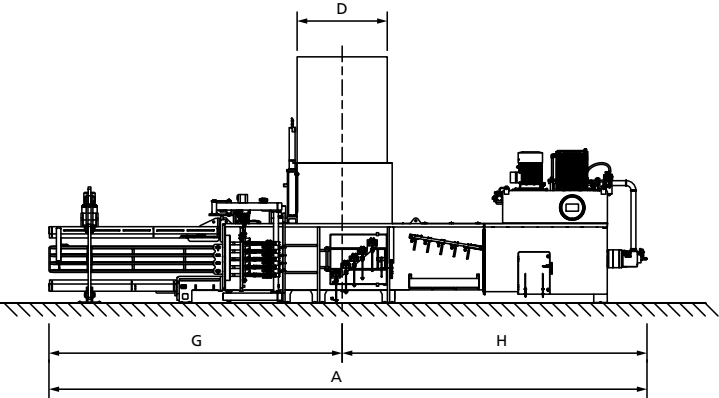


Benefits

- High throughput and bale weight
- Low energy consumption
- Easy disposal and no interference in a waste incineration process of the twine
- Low operation and maintenance costs
- Easy transport, storage, and handling of the spools
- Increased safety
- Low consumable costs by twine (approximately half the costs compared to wire)

Technical Data and Measurements

DOKON Baler H2-Series		700							
Pressing force	t (kN)	198 (1940)							
Spec. pressing force	N/cm²	160							
Hydraulic reference pressure	bar	315							
Tunnel cross section	cm	110 x 110							
Hopper opening	cm	200 x 102							
Feeding volume	ca. m³	3,45							
Number of wires	pieces	5							
Driving power	kW	2 x 45	2 x 55	2 x 75	3 x 55	3 x 75	4 x 55	4 x 75	
Hydraulic pump flow	l/min	2 x 260	2 x 420	2 x 420	3 x 420	3 x 420	4 x 420	4 x 420	
Oil reservoir capacity	l	1250	2100	2100	3100	3100	4000	4000	
Maximum performance without material	m³/h	518	777	777	1071	1071	1323	1323	
Press Capacity (Weight)									
• 100 kg/m³ (ej. CSR)	ca. t/h	32	42	48	58	66	71	80	
• 150 kg/m³ (ej. CSR)	ca. t/h	38	50	58	69	79	86	96	
• 200 kg/m³ (ej. CSR)	ca. t/h	44	58	67	81	92	99	112	
Baler weight (dependent on options)	t	44							
Sound level without material at 1 m distance	dB(A)	< 85							



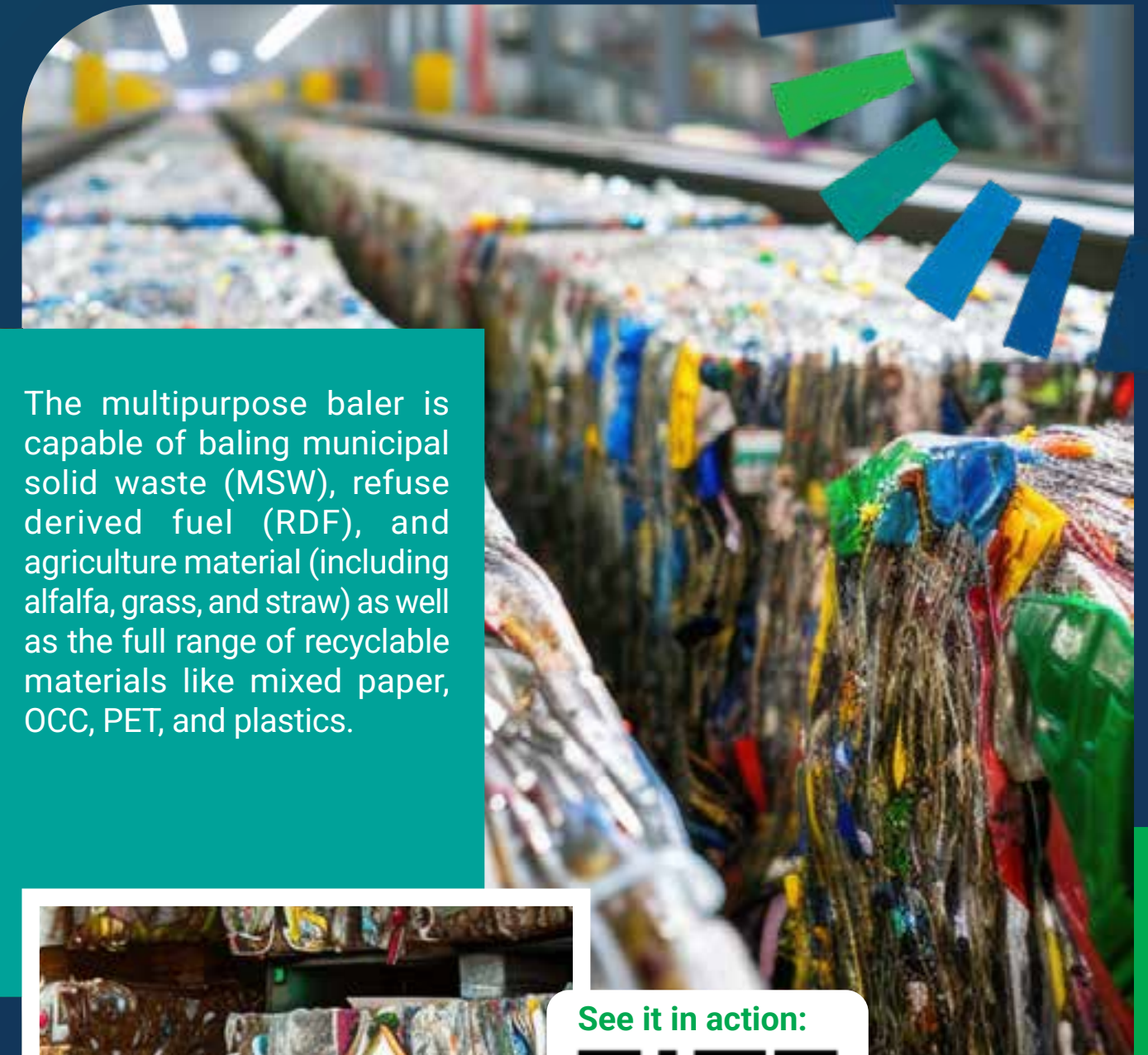
	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 700 H2	13800	2684	5465	2000	2050	7007	6793	3115	435	1100	3930	1020	920	1100

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

HTR SERIES BALER

Kadant PAAL's HTR baler is a fully automatic, high-compaction two-ram baler offered with a plastic strap or steel wire tying system and a patented telescopic tunnel for maximum throughputs.



The multipurpose baler is capable of baling municipal solid waste (MSW), refuse derived fuel (RDF), and agriculture material (including alfalfa, grass, and straw) as well as the full range of recyclable materials like mixed paper, OCC, PET, and plastics.

Features

- ✓ Polyester straps
- ✓ Patented telescopic tunnel design
- ✓ High bale density
- ✓ Range of machines with high specific pressing force developed for the agricultural market

Benefits

- ✓ Increased throughput – the strapping process can be carried out at the same time as the next bale is being compacted
- ✓ Reduced operating cost



See it in action:



HTR-C BALER

Two-Ram Baler for MSW and RDF, C - Series



Kadant PAAL's HTR fully automatic, high-compression two-ram baler is a multipurposed baler for compacting municipal solid waste (MSW); refuse derived fuel (RDF); recyclable material such as plastics, carton, and paper into high density bales. The HTR baler compresses material with pressing force of 120 to 200 tons in a closed press box providing maximum bale weights. Its tying system, attached separate from the compression process, prevents disturbance to operation due to contamination.

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HTR Baler Overview

Features

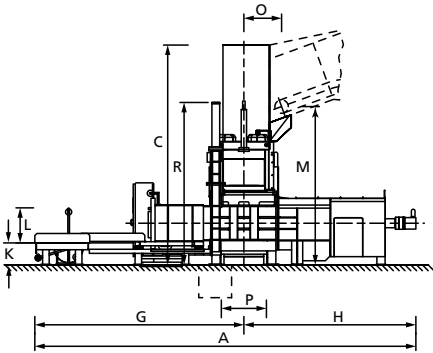
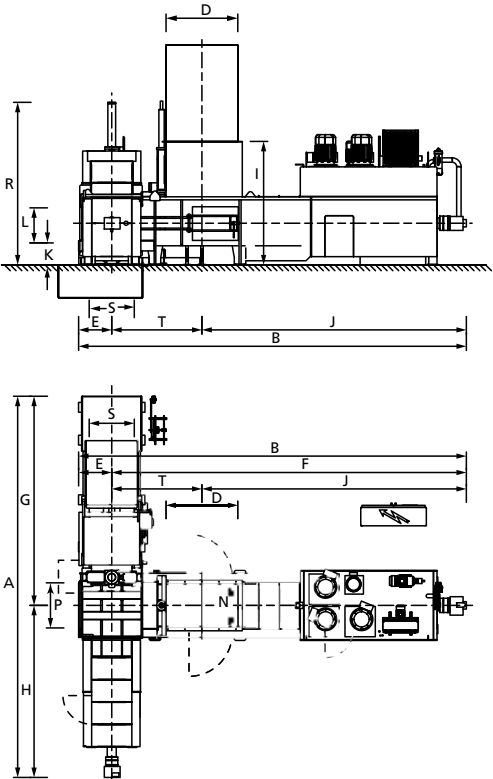
- Automatic binding with polyester straps incorporated on the telescopic tunnel
- Binding process is carried out during compaction process of next bale
- Multi-functional 12" touch-panel with recipe management and comprehensive display of functions and data

Benefits

- Low operating costs from lower transportation and lower consumable costs
- Easy operation

Technical Data and Measurements

HTR-C Series		425			525			625			700	
Pressing force	t (kN)	122 (1.197)			158 (1.546)			198 (1.940)			198 (1.940)	
Spec. pressing force	N/cm²	136			186			233			160	
Hydraulic reference pressure	bar	315			315			315			315	
Hopper opening (L x W)	cm	175 x 102			175 x 96			175 x 96			200 x 102	
Press box dimension (H x W x L)	cm	80 x 110 x 94			80 x 104 x 94			80 x 104 x 94			110 x 110 x 94	
Bale dimensions (H x W x L)	cm	84 x 112 x 120			84 x 106 x 120			84 x 106 x 120			115 x 112 x 120	
Bale volume	m³	1,12			1,06			1,06			1,50	
Number of straps	pieces	6 or more			6 or more			6 or more			6 or more	
Driving power	kW	55	2 x 55	3 x 55	55	2 x 55	3 x 55	2 x 55	3 x 55	2 x 55	3 x 55	
Hydraulic pump flow	l/min	420	2 x 420	3 x 420	420	2 x 420	3 x 420	2 x 420	3 x 420	2 x 420	3 x 420	
Oil reservoir capacity	l	1250	2100	3100	1250	2100	3100	2100	3100	2100	3100	
Press Capacity (Weight)												
• RDF (150 kg/m³)	ca. t/h	22	34	40	17	28	34	27	33	35	45	
• RDF (200 kg/m³)	ca. t/h	27	41	49	21	34	41	28	36	43	55	
• MSW (200 kg/m³)	ca. t/h	23	37	45	-	-	-	-	-	38	48	
• MSW (250 kg/m³)	ca. t/h	25	42	48	-	-	-	-	-	43	55	
Baler weight (dependent on options)	tonnes	43			43			46			50	
Sound level without material at 1 m distance	dB(A)	< 85										



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S	T
HTR 425	9390	9480	5360	1750	810	8670	5100	4280	3010	6470	535	800	3835	1020	920	1100	3963	940	2200
HTR 525	9645	10040	5360	1750	908	9158	5205	4445	3010	6794	535	800	3835	1020	920	1040	4068	940	2365
HTR 625	9645	10120	5360	1750	908	9215	5205	4445	3010	6850	535	800	3835	1020	920	1040	4068	940	2365
HTR 700	9645	10395	5640	2000	908	9486	5205	4445	3290	6996	535	1080	4115	1020	920	1100	4908	940	2490

Dimensions are in millimetres.

Specifications are for reference only and subject to change.

PAAL®

HTR AGRI BALER

High Compression Two-Ram Baler, C - Series



Kadant PAAL's HTR fully automatic, high-compression two-ram baler is a multipurpose baler for compacting agriculture material such as alfalfa, grass, and straw into high density bales. The HTR baler compresses material with pressing force of 200 tons in a closed press box providing maximum bale weights.

Its tying system, attached separate from the compression process, prevents disturbance to operation due to contamination.

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HTR Baler Overview



Features

- Automatic binding with polyester straps incorporated on the telescopic tunnel
- Binding process is carried out during compaction process of next bale
- Multi-functional 12" touch-panel with recipe management and comprehensive display of functions and data

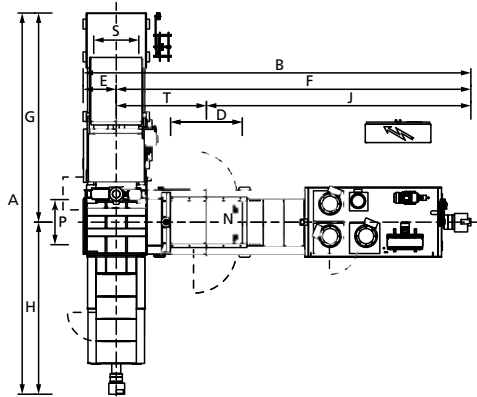
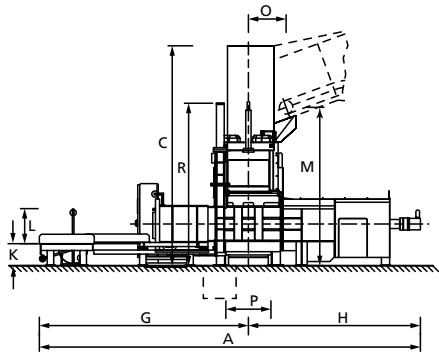
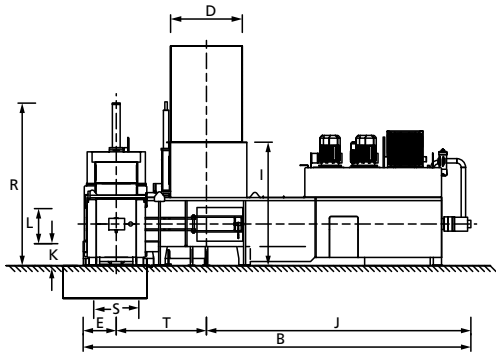


Benefits

- Low operating costs from lower transportation and lower consumable costs
- Easy operation

Technical Data and Measurements

HTR-C		625	
Pressing force	t (kN)	198 (1,940)	
Spec, pressing force	N/cm ²	233	
Hydraulic reference pressure	bar	315	
Hopper opening (L x W)	cm	175 x 96	
Press box dimension (H x W x L)	cm	80 x 104 x 94	
Bale dimensions (H x W x L)	cm	84 x 106 x 120	
Bale volume	m ³	1,06	
Number of straps	pieces	6 or more	
Driving power	kW	2 x 55	3 x 55
Hydraulic pump flow	l/min	2 x 420	3 x 420
Oil reservoir capacity	l	2100	3100
Press Capacity (Weight)			
• 50 kg/m ³ (ej, Straw)	ca. t/h	9,8	11,9
• 70 kg/m ³ (ej, Rye-grass)	ca. t/h	13,3	16,6
• 80 kg/m ³ (ej, Alfalfa)	ca. t/h	14,7	19,0
• 130 kg/m ³ (ej, Corn)	ca. t/h	20,2	25,5
Baler weight (dependent on options)	t	46	
Sound level without material at 1 m distance	dB(A)	< 85	



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S	T
HTR 625	9645	10120	5360	1750	908	9215	5205	4445	3010	6850	535	800	3835	1020	920	1040	4068	940	2365

Dimensions are in millimetres.

PAAL®

Specifications are for reference only and subject to change.

PAC SERIES BALER

Kadant PAAL's PAC baler is a semi-automatic, closed end baler with manual horizontal tying.

The PAAL PAC series of balers is designed to process a wide range of materials such as paper, cardboard, PET bottles, foam, aluminium cans, and much more. The PAC series includes a vertical sliding door that is designed for manual strapping of the bales with wire in a horizontal direction.

The PAC has a small footprint due to the vertical, hydraulically operated door, but still incorporates full bale ejection (very long ram stroke). The ejection of the finished bales is made easy with full bale ejection rather than machines with only partial ejection. With the choice of hopper designs and motor sizes and with a wide range of other options, the PAC series machines represent great value for the money but with the capacity to process sufficient volumes/ tonnages.

Features

- ✓ Low space requirement due to compact construction and portcullis ejection door
- ✓ High bale weights by compaction against the closed ejection door
- ✓ Easy operation and simplified maintenance thanks to Siemens S7 controls
- ✓ Hydraulically operated tunnel door for easy bale ejection

Benefits

- ✓ Increased throughput – the strapping process can be carried out at the same time as the next bale is being compacted
- ✓ Reduced operating cost



PAC BALER

B-Series



The PAC baler with a vertical sliding door is designed for manual strapping of the bales with wire in a horizontal direction.

Pressing forces of 50 tons with a closed press chamber results in very high bale weights, even on difficult materials. The bale size is 75x110cm with a length of approx. 1.2m.

The PAC baler has a small footprint due to the vertical, hydraulically operated door, but still incorporates full bale ejection (very long ram stroke). The ejection of the finished bales is made easy with full bale ejection rather than machines with only partial ejection.

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PAC Baler B-Series Overview



Features

- Compaction against the closed tunnel door
- Compact construction and vertical door
- Hydraulically operated tunnel door
- Switch cabinet with PLC control mounted at the baler

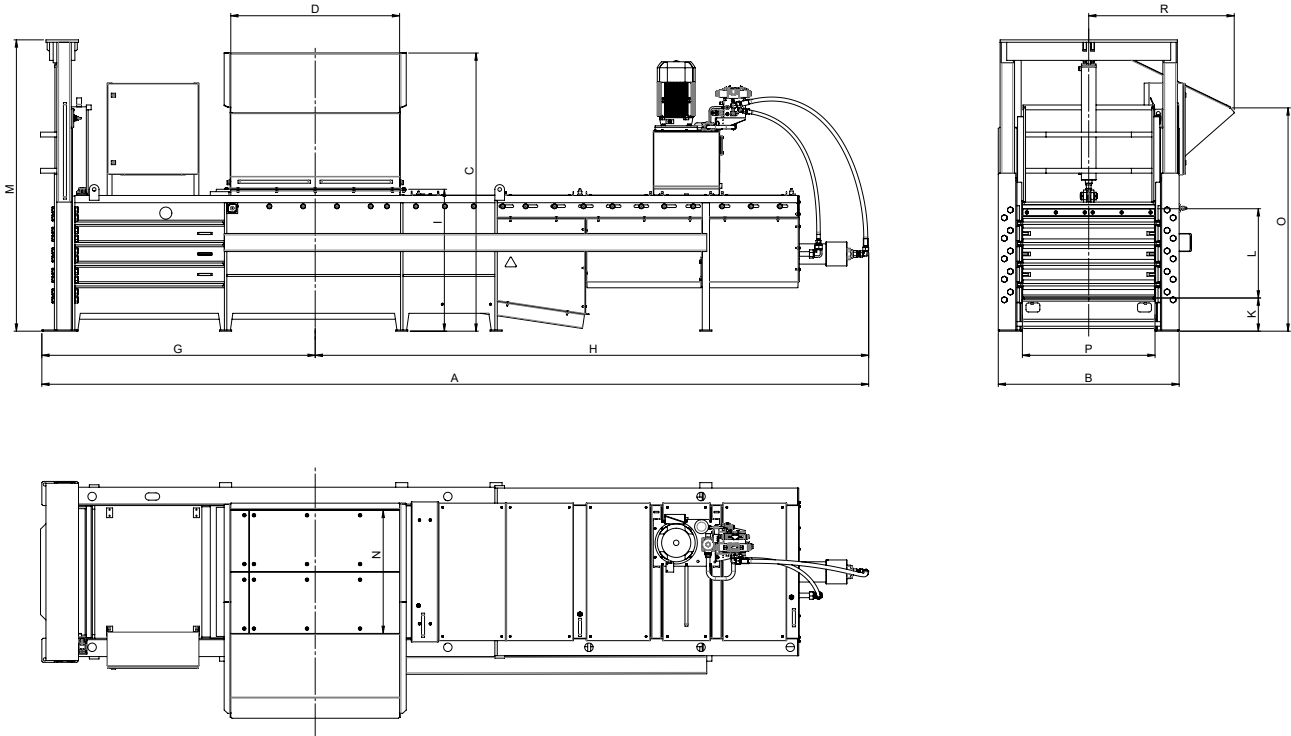


Benefits

- High bale weights
- Low space requirements
- Easy bale ejection
- Easy operation

Technical Data and Measurements

PAC B-Series		50 B
Pressing force	t (kN)	50 (486)
Spec. pressing force	N/cm²	59
Tunnel cross section	cm	75 x 110
Hopper opening (L x W)	cm	140 x 102
Bale length	appr. cm	120
Number of tyings	pieces	4
Driving power	kW	15
Press output (ideal)	max. m³/h	92
Cycle time (ideal)	appr. s	45
Power Supply	3x 400V / 50Hz / PE or 3x 460V / 60Hz / PE	
Fuse protection on site	A	40



	A	B	C	D	G	H	I	K	L	M	N	O	P	R
PAC 50 B	6856	1500	2313	1400	2267	4589	1177	275	740	2415	1020	1851	1100	1207

Dimensions are in millimetres.

PAAL®

Specifications are for reference only and subject to change.

S1W SERIES BALER

Kadant PAAL's S1W fully automatic baler is designed to press tin and aluminium cans into highly compressed packages.



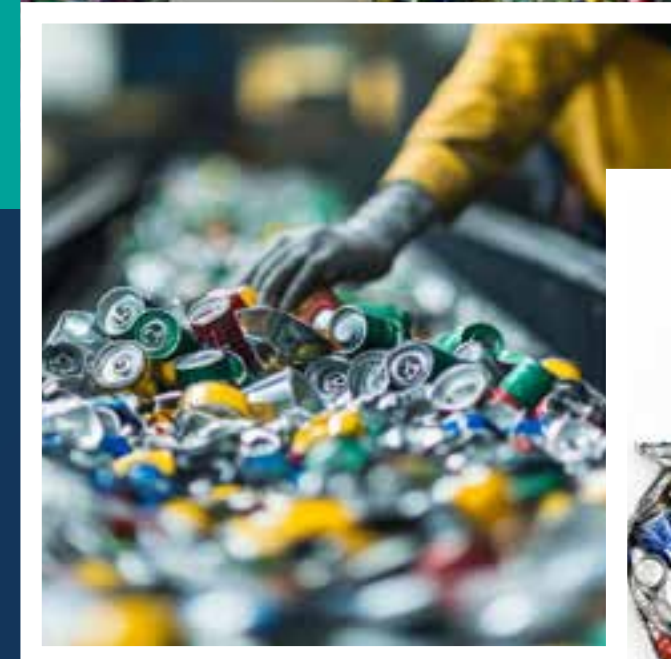
These highly efficient balers are renowned for their robust construction, high performance, and long service lives.

Features

- ✓ Compact design
- ✓ High specific pressing force
- ✓ Bolted, high-resistant wear steel plates
- ✓ Automatic, hydraulically operated tunnel door is self-cleaning via an "intelligent" control

Benefits

- ✓ Low footprint
- ✓ High bale density
- ✓ Quick and easy replacement of wear plates
- ✓ Long service life, reduced maintenance



S1W BALER

C-Series



The fully automatic S1W baler is particularly suitable for pressing tin and aluminium cans into highly compressed packages. These highly efficient balers are characterized by their very stable construction, performance, and long service lives.

The closed, robust press box and the high pressing forces of 650kN to 1200kN ensures maximum compression up to 1300 respectively up to 1600kg/m³. The pressing process is carried out against the automatic press chamber door. The dimensions and weights of the pressed packages also meet steelworks specifications.

Kadant PAAL was founded in 1854 in Osnabrück, Germany. Since its introduction of the first continuously operated horizontal baler in 1960, PAAL has delivered more than 30,000 machines and today is the #1 channel baler manufacturer in Europe.

S1W C-Series Baler Overview



Features

- Compact construction
- High resistant wear steel plates mounted at the press chamber
- Bolted fixing
- Touch panel KTP 400 facilitates the operation of the machine through recipe management and a comprehensive display of data
- Automatic, hydraulically operated tunnel door is self-cleaning



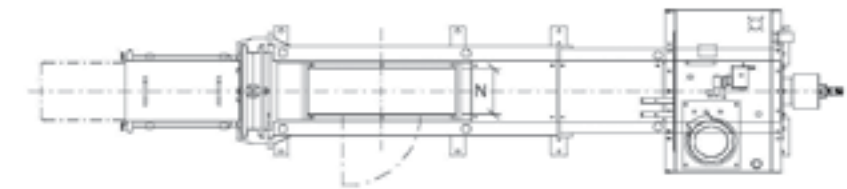
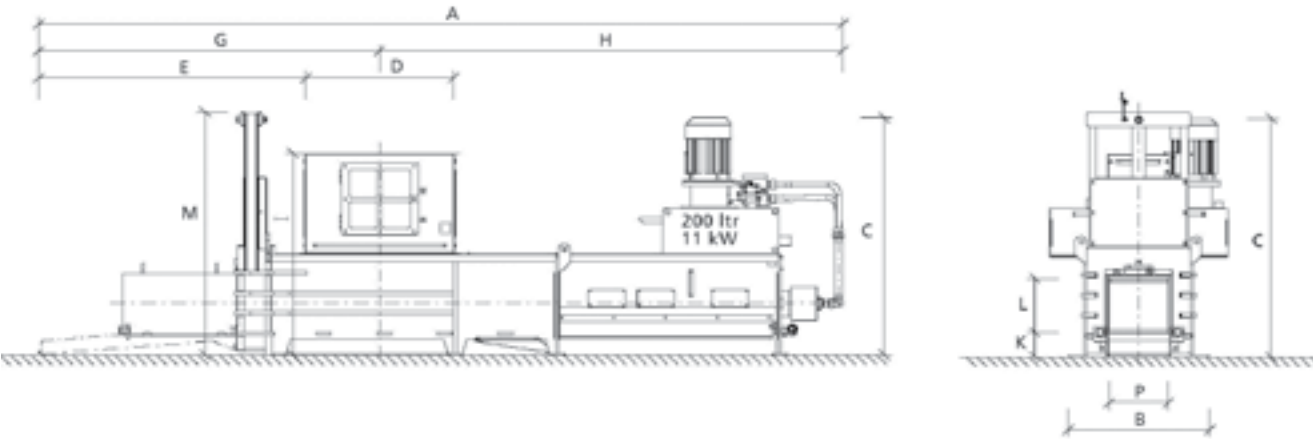
Benefits

- Significant reduction of space
- Increased life of baler
- Easy and quick replacement
- High bale density

Technical Data and Measurements

S1W C-SERIES		S1W1-1 C	S1W1-3 C	S1W3-3 C	S1W4-3 C
Pressing force	t (kN)	65 (633)	65 (633)	101 (990)	122 (1197)
Spec. pressing force	N/cm²	396	396	396	479
Tunnel cross section	cm	40 x 40	40 x 40	50 x 50	50 x 50
Hopper opening	cm	100 x 34	100 x 34	120 x 42	120 x 42
Driving power	kW	15	15 22	37 45	37 45
Capacity under load (input density: 80 kg/m³)	max. m³/h	6.7	18-37 21-41	33-64 34-66	27-53 29-55
Bale density at metal cans (input density: 135 kg/m³)	ca. kg/m³	1300	1300*	1300*	1600*

* Only 1 stroke/package



	A	B	C	D	E	G	H	I	K	L	M	N	P
S1W1-1 C	5445	960	1861	1000	1809	2309	3136	1500	180	400	1810	340	400
S1W1-3 C	6550	960	1953	1000	2360	2860	3692	1500	180	400	1810	340	400
S1W4-1 C	6818	1060	2053	1200	2080	2680	4139	1590	180	500	2320	420	500
S1W1-3 C	7768	1060	2053	1200	2680	3280	4490	1590	180	500	2320	420	500

Dimensions are in millimetres.

PAAL®

Specifications are for reference only and subject to change.

VERTICAL BALER

Kadant PAAL Limited is a leading manufacturer of DICOM vertical mill size balers.



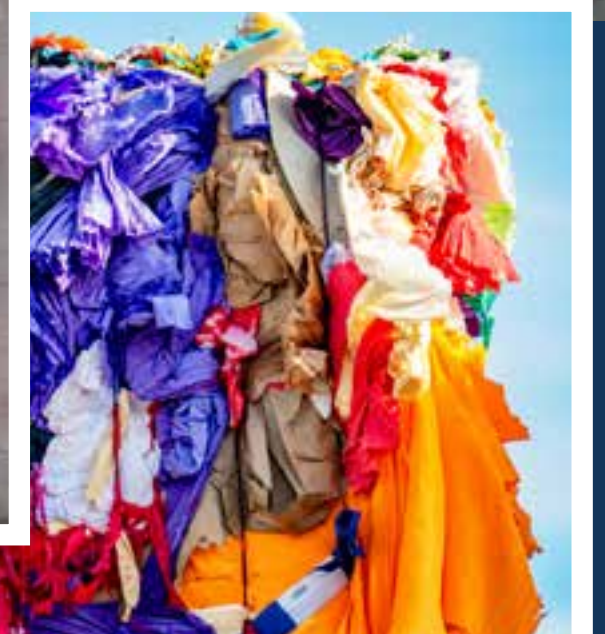
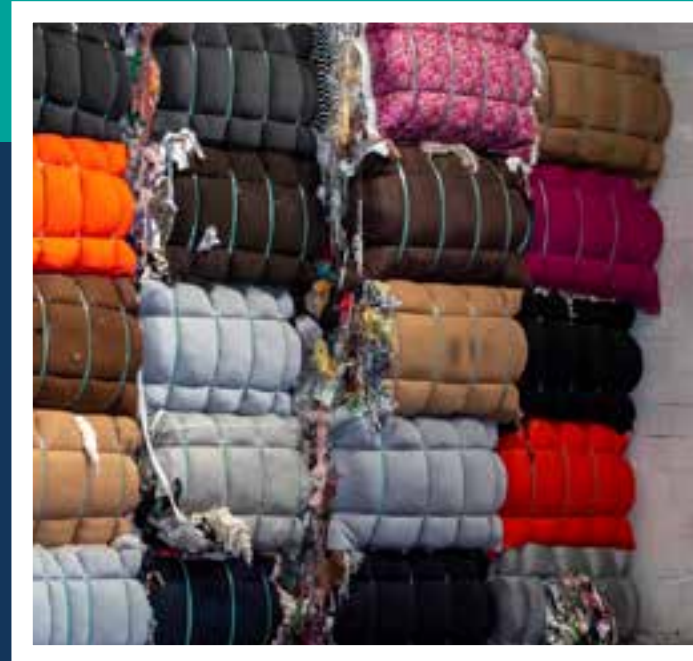
The DICOM PGV range of vertical balers are powerful, reliable, compact, and efficient machines offering an economic solution for daily baling requirements. The vertical baling presses are ideally suited for baling materials such as cardboard, plastic packaging, textiles, and dry general wastes. Every model is designed to ensure that maximum performance and reliability is attained. The vertical balers are also designed and manufactured with operator safety as the main priority.

Features

- ✓ Robust, high-quality design
- ✓ Emergency stop
- ✓ 24-Volt controls
- ✓ Dual safety switches
- ✓ Dual channel safety relays

Benefits

- ✓ Compact
- ✓ Easy operation
- ✓ Saved time, no need to load skids or bins
- ✓ Volume of waste can be reduced up to 95%
- ✓ Environmentally friendly
- ✓ Improved safety



PGV500



BENEFITS :

- Save Money; generate additional revenue for your business
- Save Time; no need to load skips or bins
- Save Space; less skips required as the volume of waste can be reduced by 95%
- Save the environment
- Improve Health & Safety

SAFETY :

All Dicom’s products are designed and manufactured with operator safety our highest priority.

Each baler comes fully compliant to all current Safety Standards and CE Marked.

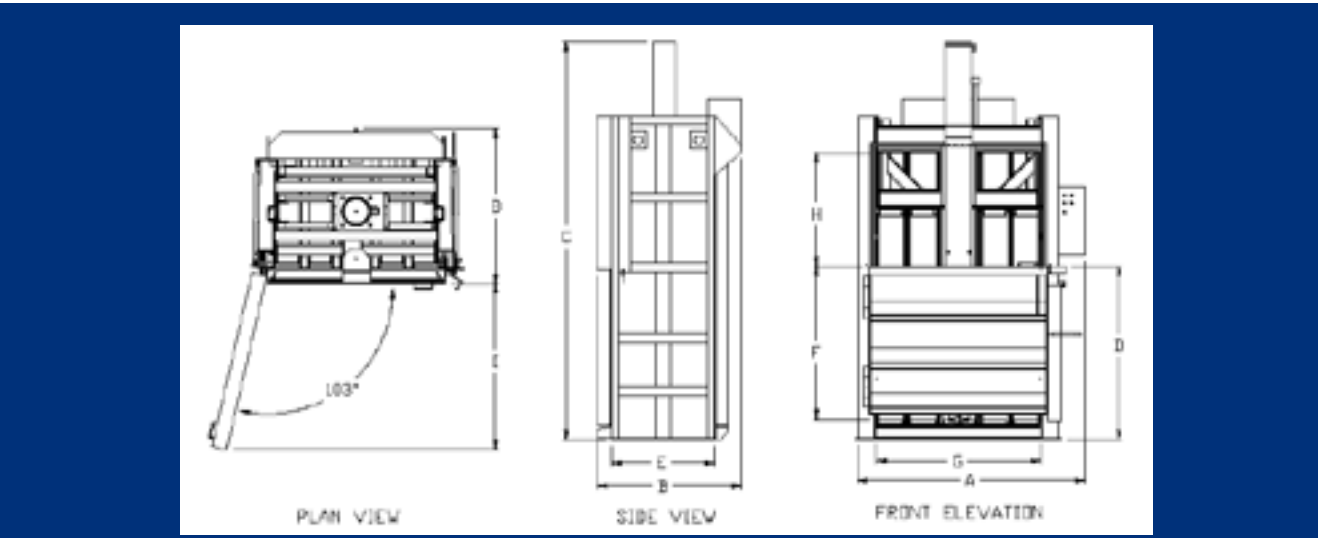
During installation full safety and certified operator training is provided by our highly experienced installation and service engineers.

Equipment is supplied with the following standard safety features :

- Emergency Stop
- 24 Volt controls
- Dual safety switches
- Dual channel safety relays
- Operator manuals supplied

Technical Data and Measurements

Platen Force	30 tonne	Motor Size	5.5 kW
Cycle Time (Seconds)	50	Control Voltage	24v
Bale Width	1220	Bale Depth	810
Bale Height	1000	Bale Ties	4 x (wire or tape)
Bale Weight	Up to 500 kgs		
Electrical Supply Requirements	16A 415V 3-phase with neutral and earth. Protection via Type “D” circuit breaker or Motor rated fuses		
Dimensions in mm			
A Overall Width	1700	B Overall Depth	1225
C Overall Height	3260	D Feed Height	1210
E Bale Chamber Depth	810	F Bale Chamber Height	1050
G Load Opening Width	1220	H Load Opening Height	680
I Bale Door Clearance	1420		



PGV500

VERTICAL BALING PRESS

Baling press for economical operation

PGV Range

The range of PGV balers are ideally suited for baling materials such as cardboard, plastic packaging, textiles and dry general wastes.

Each has been designed to ensure you achieve maximum performance and reliability, with ease of operation.

PGV650



BENEFITS :

- Save Money; generate additional revenue for your business
- Save Time; no need to load skips or bins
- Save Space; less skips required as the volume of waste can be reduced by 95%
- Save the environment
- Improve Health & Safety

SAFETY :

All Dicom’s products are designed and manufactured with operator safety our highest priority.

Each baler comes fully compliant to all current Safety Standards and CE Marked.

During installation full safety and certified operator training is provided by our highly experienced installation and service engineers.

Equipment is supplied with the following standard safety features :

- Emergency Stop
- 24 Volt controls
- Dual safety switches
- Dual channel safety relays
- Operator manuals supplied

Technical Data and Measurements

Platen Force	35 tonne	Motor Size	5.5 kW
Cycle Time (Seconds)	60	Control Voltage	24v
Bale Width	1520	Bale Depth	810
Bale Height	1000	Bale Ties	6 x (wire or tape)
Bale Weight	Up to 600 kgs		
Electrical Supply Requirements	16A 415V 3-phase with neutral and earth. Protection via Type “D” circuit breaker or Motor rated fuses		
Dimensions in mm			
A Overall Width	2032	B Overall Depth	1235
C Overall Height	3265	D Feed Height	1200
E Bale Chamber Depth	812	F Bale Chamber Height	1050
G Load Opening Width	1520	H Load Opening Height	680
I Bale Door Clearance	1550		

PGV650

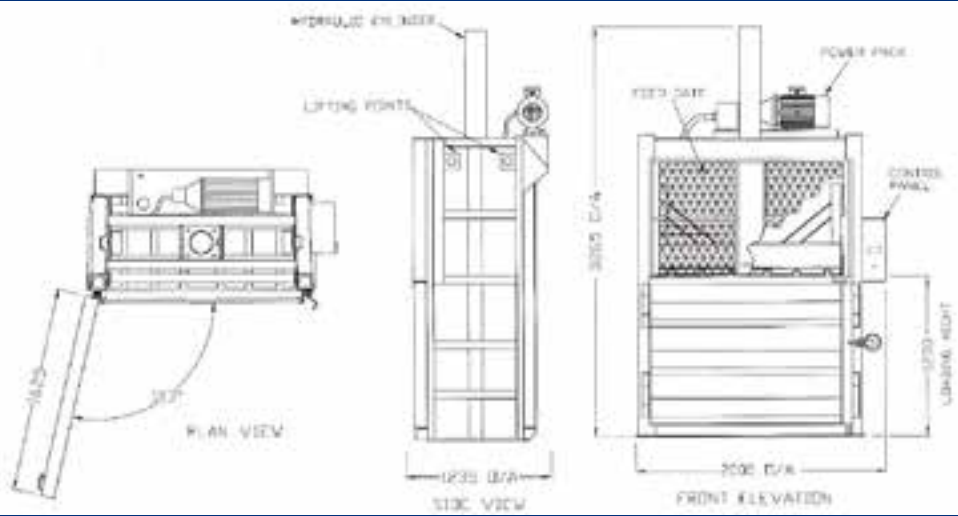
VERTICAL BALING PRESS

Baling press for economical operation

PGV Range

The range of PGV balers are ideally suited for baling materials such as cardboard, plastic packaging, textiles and dry general wastes.

Each has been designed to ensure you achieve maximum performance and reliability, with ease of operation.



PGV650s



BENEFITS :

- Save Money; generate additional revenue for your business
- Save Time; no need to load skips or bins
- Save Space; less skips required as the volume of waste can be reduced by 95%
- Save the environment
- Improve Health & Safety

SAFETY :

All Dicom's products are designed and manufactured with operator safety our highest priority.

Each baler comes fully compliant to all current Safety Standards and CE Marked.

During installation full safety and certified operator training is provided by our highly experienced installation and service engineers.

Equipment is supplied with the following standard safety features :

- Emergency Stop
- 24 Volt controls
- Dual safety switches
- Dual channel safety relays
- Operator manuals supplied

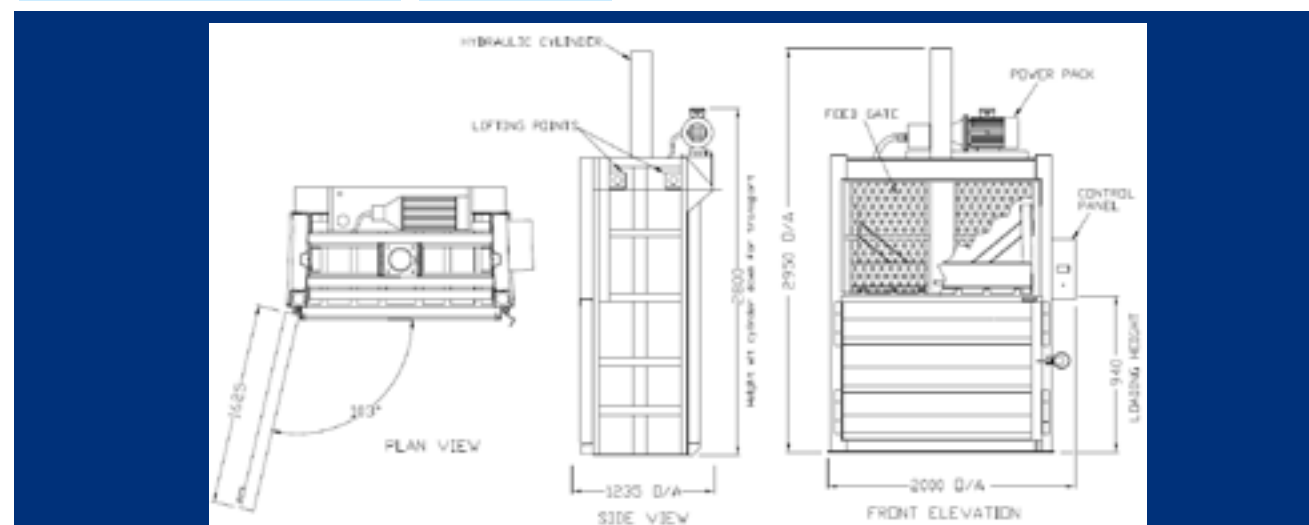
Technical Data and Measurements

Platen Force	35 tonne	Motor Size	5.5 kW
Cycle Time (Seconds)	50	Control Voltage	24v
Bale Width	1520	Bale Depth	810
Bale Height	740	Bale Ties	6 x (wire or tape)
Bale Weight	Up to 600 kgs		

Electrical Supply Requirements	16A 415V 3-phase with neutral and earth. Protection via Type "D" circuit breaker or Motor rated fuses
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Dimensions in mm

A Overall Width	2032	B Overall Depth	1235
C Overall Height	2950	D Feed Height	940
E Bale Chamber Depth	812	F Bale Chamber Height	1050
G Load Opening Width	1520	H Load Opening Height	625
I Bale Door Clearance	1550		



PGV650s

VERTICAL BALING PRESS

Baling press for economical operation

PGV Range

The range of PGV balers are ideally suited for baling materials such as cardboard, plastic packaging, textiles and dry general wastes.

Each has been designed to ensure you achieve maximum performance and reliability, with ease of operation.

PGV650P



PGV650P VERTICAL BALING PRESS

Baling press for economical operation

PGV Range

The range of PGV balers are ideally suited for baling materials such as cardboard, plastic packaging, textiles and dry general wastes.

Each has been designed to ensure you achieve maximum performance and reliability, with ease of operation.

BENEFITS :

- Save Money; generate additional revenue for your business
- Save Time; no need to load skips or bins
- Save Space; less skips required as the volume of waste can be reduced by 95%
- Save the environment
- Improve Health & Safety

SAFETY :

All Dicom Brand products are designed and manufactured with operator safety our highest priority.

Each baler comes fully compliant to all current Safety Standards and CE Marked.

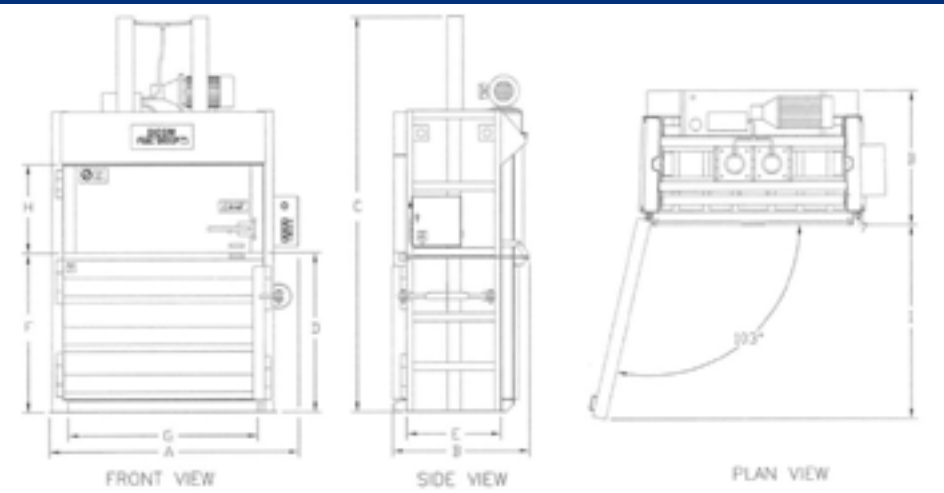
During installation full safety and certified operator training is provided by our highly experienced installation and service engineers.

Equipment is supplied with the following standard safety features :

- Emergency Stop
- 24 Volt controls
- Dual safety switches
- Dual channel safety relays
- Operator manuals supplied

Technical Data and Measurements

Platen Force	35 tonne	Motor Size	5.5 kW
Cycle Time (Seconds)	38	Control Voltage	24v
Bale Width	1520	Bale Depth	810
Bale Height	1000	Bale Ties	6 x (wire or tape)
Bale Weight	Up to 650 kgs		
Electrical Supply Requirements	16A 415V 3-phase with neutral and earth. Protection via Type “D” circuit breaker or Motor rated fuses		
Dimensions in mm			
A Overall Width	2032	B Overall Depth	1235
C Overall Height	3515	D Feed Height	1200
E Bale Chamber Depth	812	F Bale Chamber Height	1050
G Load Opening Width	1520	H Load Opening Height	680
I Bale Door Clearance	1550		



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