





ΕN





# ONE WORLD

# SUSTAINABILITY IS ALIVE

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The responsible use of the earth's resources is one of the greatest challenges of our time. In a proverbially ever-shrinking world, it is important that what nature sends our way is carefully utilised and managed. Conservation is sustainability.

A component of the sustainable use of raw materials is the extensive collection and recycling of waste materials, recyclable waste and raw materials which are generated by production and consumption. In the public sector, as well as in companies and products facilities, experts work out methods and solutions to promote this sustainability.

Of course, it is a matter of environmental conservation in the interests of society, but an important aspect is also cost effectiveness because waste materials are raw materials.

# ONE WORLD - ONE MESSAGE

## $\bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet$ . . . . . . . . . .

PÖTTINGER Entsorgungstechnik supports this notion. In search of joint fulfilment of individual tasks PÖTTINGER Entsorgungstechnik applies its core competencies to find with you the best sustainable, ecological and economical solution.

With systems, products and solutions which are tailored exactly to your individual requirements.

## One World – One Target:

Together, when dealing with raw materials, we can give sustainability the significance that it deserves in our world.

# QUALITY IS SUSTAINABLE

Good and durable solutions have tradition at Pöttinger – since generations. With the back up of our loyal customers we built up a family-run business that invents, develops, produces and supervises technology for people since 135 years.

Quality has a lasting effect – we know what we are talking about.

Klaus Pöttinger

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# ONE WORLD **ONE JOB**

# HOW WE WORK

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The requirements of our customers are as diverse as our efforts towards sustainability in dealing with raw materials. Because only they have the knowledge about the future field of application of our products.

To fulfil or exceed the requirements of our customers is the target of our development department. With the most modern 3D CAD systems and our own FEM calculation department, we create solutions that not only meet the individual requirements of companies or institutions but above all, our primary goal is to never let sustainability out of our sight.





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As quality should also look good, integrated design and innovation management work on making the most state-of-the-art technology visible, both internally and externally.

One World – One Job: Our customers have a job to do. We will help you by recognising and realising your requirements with the aid of our products.



# TACKLING TASKS

The team ensures that state-of-the-art technology is used through intensive coaching and training. The use of the most state-of-the-art materials and technologies is a prerequisite for the highest reliability of our products.



# PÖTTINGER - 6 QUALITY MARKS



## **POWDER COATING**

At PÖTTINGER, as many components as possible are sealed with cataphoretic dip priming and powder coating to a high standard. Thus, our products receive the best possible corrosion protection and a consistently high quality look.

## CUSTOMER BENEFITS

Protects the value of your investment for a longer and higher resale value.



# **OPTIMAL MATERIAL GLOW, GEOMETRY OF THE PRESS** By using the most modern calculation methods, we have succeed

By using the most modern calculation methods, we have succeeded in developing PÖTTINGER presses with optimised geometries.

**CUSTOMER BENEFITS** - This results in the optimum material flow which facilitates better filling of the containers (+20%) and correspondingly reduced transport costs.



## STABLE EXECUTION + 200%

All components which are subject to certain demands in practice are often constructed twice as stable than would be required under normal operation. Our products are designed to cope with the harshest operating conditions.

## CUSTOMER BENEFITS High availability through minimum downtimes, low repair costs.



## **INNOVATIVE DESIGN**

Quality endures - this also applies to our product design. Only if the values of our products are also experienced outwardly, our products receive the acceptance they deserve.

**CUSTOMER BENEFITS** - The benefit for our customers is that fine products give you more pleasure when handling them. In addition, the attractiveness of a PÖTTINGER brand product clearly delivers more resale value.

# TEXTILE COVERINGS

Many of our products are supplied with the option of being equipped with extensive promotional textiles. These high-end advertising spaces offer completely new opportunities for visual communication. The imagination almost knows no bounds.

**CUSTOMER BENEFITS** - Whether, you have your own brand message, adjusting to the wishes of the end customers or adjusting the outer shell to regional circumstances, the products simply receive more attention and acceptance. And in such a way, the experience shows that one obtains better prices.



## LOAD TESTS

Before a new mass-produced machine is introduced on the market by Pöttinger, it is put through its paces. The product service life is simulated for weeks in an internally developed test facility using the latest methods. Consequently, any possible weaknesses are identified and corrected at an early stage.

**CUSTOMER BENEFITS** - Our customers receive innovative, high-performance products with extremely high operational reliability and the best condition for maintenance-free and cost-effective operation.



# ONE WORLD ONE LOOK

# NOW IT'S YOUR TURN TO DESIGN

# • • • • • • • •

Conceal or accentuate? Camouflage or make the focal point? Now, you have the choice. Depending on the application and site of installation, your PÖTTINGER press container not only takes pride of place but also achieves the optical impact that you assign to it.

# FREEDOM OF DESIGN

## 

Gittex is the freely configurable promotional textile which encases our machines and gives a clean appearance over the entire service life. A clean environment manifests itself not only in the operation of the machine but also in its appearance.

Now you just have to decide: Do you want the focus to be on sustainability of your waste management? A nature theme would be our suggestion here. Or is the focus on pride of ownership? Then the company logo or advertising message of the company is displayed. Or do you want a large container to simply disappear? That is also possible. A green hedge or other neutral motifs are possible.

However you decide: Gittex makes your press container a unique item. Regardless of whether graphic motifs or photos, each design requirement can be easily implemented. Because a press container does not have to be a blot on the landscape.

> One World - One Look. The freedom of design.









# **PÖTTINGER - ONE WORLD**

We have accepted the challenge together with our customers. With high-quality products and services we want to make a sustainable contribution to protecting our environment.

This will enable the generations to come to continue to enjoy a world that is worth living in.



# PRODUCT SOLUTIONS

MULTIPRESS 1.4 / 1.9 / AK

MULTIPRESS Stationary Pr

MULTIPRESS Screw Compa

MULTIPRESS

CARDBOARD 500+

		YOUR REQUIREMENTS	HOW YOU BENEFIT	Page		
5		Reliable, long lasting technology and functional solutions	Optimum press technology with a modern design	14 - 21	MULTIPACK	
S XL ress		The logical choice with large quantities of waste	Large filling opening combined with optimal transport logistics	22 - 23	MULTIBRIK	
5 SC actor		Powerful technology for large volume materials	High throughput and efficient compaction with special feed options	24 - 27	MOBIGAS	
ECO		Pollutor-pay waste disposal by weight	Innovative solutions for residential properties, housing associations and commercial properties	28 - 33	DÖTTINGED	
PRESS	F	Effective cardboard disposal	Optimally suited for public recycling centres	34 - 35	SERVICE	

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YOUR REQUIREMENTS	HOW YOU BENEFIT	Page
Vertical and horizontal baling presses for different materials	Highly versatile presses ranging from single chamber system to full automatic machines	36 - 39
High compaction and data protection	Use as document destroyer or for production waste in the coffee & tobacco industry	40 - 41
Energy from waste	Regional and modular Modular biogas systems for regional energy generation of organic waste	42 - 43
Maintenance of machines	Maintenance and repair by experienced service technicians	44 - 45



# MULTIPRESS 1.4 - 1.9

Optimum press technology with a modern design



# OD DO POTTINGER Entsorgungstechnik

# WHEN FLEXIBILITY IS NEEDED

Investments need to be well-planned. Return on investment is the magic formula. MULTIPRESS containers make an important contribution to reducing costs thanks to their modular construction, allowing the container to be adapted easily to different locations. The Pöttinger range includes both mobile and stationary press systems. That is how we can provide custom-tailored waste disposal solutions for retailers, businesses, industrial companies, banks, municipalities and housing associations – year in, year out.

# MULTIPRESS

# Economic success depends on several factors

# IMPROVED CAPACITY - UP TO 20% MORE FILL VOLUME

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due to the newly developed press geometry. Tapered press bottom, curved press plate, high quality piston guiding and improved press geometry ensure an effective retention system. Up to 20% higher compaction!



# LARGE FILLING OPENING

The double build-up prevention by means of retaining tines and a 152 mm high trash holder in combination with the immersion depth of the compressing ram of 334 mm keeps the pressing area free and permanently available.

**Type MP** 1.4: 1050 x 1860 mm  $\rightarrow$  1,4 m<sup>3</sup> / stroke. **Type MP** 1.9: 1450 x 1860 mm  $\rightarrow$  1.9 m<sup>3</sup> / stroke.









# UNIVERSAL DEPLOYMENT AND VARIABLE EQUIPMENT THAT IS EASY TO RETROFIT

Regardless of whether ground, ramp or building loading – additional equipment can be bolted on for quick and easy adaptation to any disposal location.



TIPPING DEVICE

Preparation provided as standard - no welding needed for retrofitting.



# SIDE-HUNG OR TOP-HUNG REAR DOOR

The back wall is easily converted from a side-hung door to a top-hung door. Standard 8-point locking system for leak tight seal. The hook on the back can be used for hoisting it on to the lorry.







# OPERATION

Phase adapter and connection for remote control are supplied as standard.





# SAFETY UNLOCKING **DEVICE WITH DOOR** CATCH SYSTEM

The operator is always outside of the danger area when opening the door. Through a special door catch system, people who are not in the field of vision remain protected.



# **SAFETY IS TOP PRIORITY**

# **OPTIONAL: BULKY WASTE MODEL -**REINFORCED CONSTRUCTION FOR BULKY WASTE

The following components are reinforced on this model:

- $\rightarrow$  Piston guide, piston and yoke
- $\rightarrow$  Side walls of the container
- $\rightarrow$  Floor cleaner on the piston head as standar







# HYDRAULICS/ELECTRICS

Easy to access and clearly laid out. Accident prevention as no climbing aids are required. Easy to service thanks to ergonomic working position.

Technical data		
MULTIPRESS	20 - 1.4	20 - 1.9
Container volume	20 m <sup>3</sup>	20 m³
Length (without rear hook)	6450 mm	6850 mm
Length (incl. rear hook)	6690 mm	7090 mm
Width & height	2460 x 2704 mm	2460 x 2704 mm
Height of opening	1400 mm	1400 mm
Volumes per stroke	1,4 m³	1,9 m³
Height of the pressing piston	700 mm	700 mm
Press opening W x L	1860 x 1050 mm	1860 x 1450 mm
Filling opening W x L	1860 x 1753 mm	1860 x 2153 mm
Compression force	340 kN	340 kN
Pressing cycle	40 sec.	55 sec.
Motor	5,5 kW	5,5 kW
Slow fuse	16 A	16 A
Unladen weight	5100 kg	5360 kg
Cone	3 sides of 100 mm	3 sides of 100 mm

Container volumes 16, 18, 20, 22, 24 m<sup>3</sup> - 2 m<sup>3</sup> = L +/- 400 mm

# WORLD FIRST

# **POWDER COATING - IDENTICAL PAINT QUALITY AS THE CAR INDUSTRY**





# **CED - Cathodic electrodeposition coating** and powder topcoat

Pöttinger coating line technology incorporates cataphoretic dip priming and powder coating.

This is the most environmentally friendly painting method because the manufacture is carried out without solvents.

## The individual steps of this procedure:

Automatic sandblasting, 9 zones dip treatment with zinc phosphate, 3 zones CED (cathodic electrodeposition coating uniform primer thickness and best corrosion protection) using water based paint, baking process at 160 °C and the powder coating with the final baking process at 180 °C - 200 °C.

By this environmental friendly process all areas are completely coated and all parts show hard-wearing, elasticity and are UV resistant.









First press container manufacturer who offers powder coating:

- $\rightarrow$  Durable
- $\rightarrow$  Hard-wearing
- $\rightarrow$  UV-resistant
- $\rightarrow$  Uniform paint thickness
- → Environmentally friendly / no solvents

 $\begin{array}{c} \mbox{MP 1.4 } 16\ m^3 = 5890\ / \ 18\ m^3 = \ 6290\ / \ 20\ m^3 = \ 6690\ / \ 22\ m^3 = \ 7090\ / \ 24\ m^3 = \ 7490\ / \ 24\ m^3 = \ 7890\ MP \ 1.9 \ 16\ m^3 = \ 6290\ / \ 18\ m^3 = \ 6690\ / \ 20\ m^3 = \ 7090\ / \ 22\ m^3 = \ 7490\ / \ 24\ m^3 = \ 7890\ MP \ 1.9 \ 10\ m^3 = \ 7090\ / \ 24\ m^3 = \ 700\ / \ 700$ 



# MULTIPRESS 1.0

Skip container



# WHEN THERE IS ONLY LITTLE SPACE AVAILABLE OR FOR THE USE WITH SKIP VEHICLES

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Due to the container volumes from 8 to 12 m<sup>3</sup> and the width of 2 m, the MULTIPRESS 1.0 suits to narrow surrounding areas. The press technology contains all advantages of the big brother and characterizes due to its efficiency, high compaction ratio and durability.

Technical data	MP 1.0 Skip container	MP 1.0 Skip container	MP 1.0 Roll-off container
Volume Container	8 m³	10 m³	10 m³
Length (without hook)	4200 mm	4700 mm	4960 mm
Length (with hook)	-	-	5200 mm
Width x Height	2000 x 2400 mm	2000 x 2400 mm	1950 x 2480 mm
Height of opening	1400 mm	1400 mm	1400 mm
Volume / stroke	1 m³	1 m³	1 m³
Height of press ram	550 mm	550 mm	550 mm
Feed opening B x L	1450 x 1000 mm	1450 x 1000 mm	1450 x 1000 mm
Filling opening B x L	1450 x 1580 mm	1450 x 1580 mm	1450 x 1580 mm
Compression force	250 kN	250 kN	250kN
Pressing cycle	24 sec.	24 sec.	24 sec.
Motor	5,5 kW	5,5 kW	5,5 kW
Slow fuse	16 A	16 A	16 A
Unladen weight	3150 kg	3300 kg	3400 kg
Cone	3 sides of 100 mm	3 sides of 100 mm	3 sides of 100 mm

Volume Skip container 8, 10, 12 m<sup>3</sup> - 2 m<sup>3</sup> = L +/- 500 mm

Volume Roll-off container 10, 12, 14, 16 m<sup>3</sup> - 2 m<sup>3</sup> = L +/- 500 mm

# MULTIPRESS 1.0 Roll-off container

# SPECIAL MODEL FOR USE WITH WET WASTE

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Mixed waste and waste with a high rate of liquids can be ideally compacted. The sloping press floor and the step between press- and container-floor (trashholder of 300mm) grant a clean technology area. The roll-off container comes in the sizes 10, 12, 14 and 16 m<sup>3</sup>.

MP 1.0 Roll-off container					
16 m³					
6460 mm					
6700 mm					
1950 x 2480 mm					
1400 mm					
1 m³					
550 mm					
1450 x 1000 mm					
1450 x 1580 mm					
250 kN					
24 sec.					
5,5 kW					
16 A					
3800 kg					
3 sides of 100 mm					







# MULTIPRESS XL

Stationary Press: The new Generation



# HUGE AMOUNTS AND VOLUMINOUS MATERIAL NEED EFFICIENT SOLUTIONS

## 

For voluminous waste and recyclable fractions the stationary press MULTIPRESS XL is qualified like no other machine. 1,9m<sup>3</sup> material per stroke gets pressed into a docking container. Bulky waste and large cardboard get compacted effortlessly. The stationary press can be filled continuously. It is also very easy to integrate it into feeding systems. As the docking container can be exchanged quickly a permanent availability of the machine is granted.





# CORPORATE DESIGN

The new generation corresponds to the design of the new press container and can be ideally integrated into modern architecture.

Design your appearance – should the machine be integrated inconspicuously to the surrounding area or do you want to promote your company. Advertising textiles provide freedom of design.





# VARIABLE EQUIPMENT

Different hopper-solutions for machine feeding from ground level, from a ramp or from the building via a chute, tilting devices, container-full announcement by SMS or Email, hydraulic shut-off slide. The base machine can be adapted to your requirements and very easily retrofit, too.



# FOR A CLEAN TRANSPORT

The stationary press can be optionally equipped with a hydraulic shut-off slide. This grants a clean docking procedure and the compacted material stays in the container reliably.

Technical data	
MULTIPRESS Stationary Press	
Length Stationary Press	
Width x Height (without shut-off slide)	
Height of opening	
Volume / stroke	
Height of press ram	
Feed opening W x L	
Filling opening W x L	
Compression force	
Pressing cycle	
Motor	
Slow fuse	
Weight (without hopper)	
Volume docking Container	
Dimensions docking Container L x W x H	
Cone	
Volume Container 28, 30, 32 m - 2 m <sup>3</sup> = L +/- 400 mm	



XL	
2850 mm	
2560 x 1550 mm	
1400 mm	
1,9 m³	
700 mm	
1860 x 1450 mm	
1860 x 2153 mm	
340 kN	
55 sec.	
5,5 kW	
16 A	
3100 kg	
30 m³	
6900 mm	
3-sides of 100 mm	



# SCREW COMPACTOR

Individual, maximum efficiency solutions



# **RISING LOGISTICS COSTS DEMAND EFFICIENT**, COST-EFFECTIVE WASTE DISPOSAL SOLUTIONS.

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We aim to support you in the best possible way.

The MULTIPRESS screw compactor from PÖTTINGER Entsorgungstechnik is a modular waste disposal system that can be adapted to different operating conditions and guarantees maximum efficiency. We look forward to helping you with planning, delivery, installation and servicing. We can design an individual solution in consultation with your specialists. Reliable modern technology is a feature of our products!

# Robust technology for different jobs

# CARDBOARD AND PAPER

The screw compactor is the optimum technology for compacting bulky cardboard and large volumes. The large filling opening and efficient intake system guarantee fast, trouble-free processing. Optimum intake and compaction of whole or flattened cardboard.

ightarrow up to 200 m can be compacted in 60 minutes! ightarrow Compaction factor up to 10:1 ightarrow approx. 8 tonnes cardboard in the 30 m<sup>3</sup> Container





Even whole euro pallets, bulky items or disposable containers are easily shredded, then highly compacted. The edges of the oversized screw have special crusher plates giving unbeatable performance. The modified hopper guarantees a perfect pallet intake.

Materials	
Cardboard	
Wooden pallets	

# **EFFICIENT COMPACTION**

The powerful screw shreds and compacts the load with maximum efficiency and speed. Coarse shredding gives significantly higher filling weights than hydraulic press systems. The continuous feed and large filling opening mean rapid processing.



# WOODEN PALLETS, FRUIT CRATES, DISPOSABLE CONTAINERS

approx, t / 30m<sup>3</sup> Container 8 t 6 - 10 t

Kg/m<sup>3</sup> 270 kg / m<sup>3</sup> 200 – 300 kg / m<sup>3</sup>



# Robust, reliable and long-lasting, ultra-modern technology:





The compactor has its own drive unit to provide maximum efficiency (even with flat stacked cardboard).



ROBUST DRIVE

The solid chain and chain tensioner give reliable, maintenance-free operation.



PROTECTED DRIVE UNIT WITH LABYRINTH SEAL



MAXIMUM USER SAFETY, TESTED ACCORDING TO SAFETY REGULATI-ONS SAFETY TECHNOLOGY



MODERN CONTROL SYSTEM WITH DISPLAY



OPTIONAL: WEAR PROTECTION PLATE FOR LONG ENDURANCE



# IT'S YOUR CHOICE

You can choose between the mobile or static screw compactor depending on your space availability or logistics system. Mobile systems are used where flexibility is needed and the waste volume is not so high.







# WE PLAN AND INSTALL

the complete system including any handling equipment required. Individual feed options; the machine can be fed manually or by a lifting and tilting system, from ground level or from a ramp, or conveniently from the building via a chute. The screw compactor's small footprint means it can be easily tailored to the operating site.

Technical data					
MULTIPRESS screw compactor	SC 9	SC 11	SC 15	SC 15 Wood	MSC 5 od. 7/20
Length press station	1940 mm	1940 mm	1940 mm	1940 mm	6450 mm
Width & Height (without hopper)	2190 x 1300 mm	2460 x 2704 mm			
Height of opening	1400 mm	1400 mm	1400 mm	1400 mm	1400 mm
Screw speed	11,3 rpm.	12,5 rpm.	16 rpm.	16 rpm.	7 / 8,4 rpm.
Filling opening W x L	1450 x 1450 mm	1860 x 1753 mm			
Motor	9 kW	11 kW	15 kW	15 kW	5,5 / 7,5 kW
Slow fuse	35 A	50 A	63 A	63 A	32 A / 35 A
Weight (without hopper)	2250 kg	2300 kg	2350 kg	2400 kg	5800 kg
Volume docking Container	30 m³	30 m³	30 m³	30 m³	20 m³
Dimensions docking Container L x W x H	6880 x 2500 x 2672				
Conical	3 sides of 100 mm	3 sides of 100 mm			
	1				

Container volumes 28, 30, 32 m<sup>3</sup> - 2 m<sup>3</sup> = L +/- 400 mm

# STATIC SYSTEMS

are particularly suitable for high volumes of waste. From the standard version to the complete package, we tailor the system to your on-site conditions.



# ECO WEIGHING SYSTEM ECO Communal

MULTIPRESS ECO



## .....

With its modular designed products, PÖTTINGER is in the position to provide comprehensive complete solutions for housing associations and cities in the field of the household waste disposal according to the principles of cause and responsibility.

Technical data	MULTIPRESS ECO
Height of opening	1270 mm
Total volume of the weight system	510 lt.
Filling volume of the weight system	3 x 80 lt. bag - 300 lt.
Scale is EU calibrated	0.1 g precisely / from 1-100 kg / class IIII
For technical data on the press container see MULTIPRESS 1.0 (Page 20-21)	

ECO INTERNET - NOTHING WEIGHED, NOTHING GAINED

# One technology - individual solutions

The cost of rubbish disposal keeps rising, no end seems to be in sight. The legislator and society promote sustainable waste management solutions with which one keeps costs under control and higher recycling quotas are achieved. The development and use of more modern and efficient procedures by PÖTTINGER make a significant contribution to this endeavour.

PÖTTINGER provides an intelligent waste disposal concept in ECO Internet which brings technical, ecological and economic benefits for the operator:

- Pollutor-pay allocation of the waste quantity via an EU-calibrated weighing system (+/- 0.1 kg)  $\rightarrow$
- Reduced transport costs through compacted waste approx 5:1  $\rightarrow$
- (large) Reduction in residual waste  $\rightarrow$
- $\rightarrow$ Clean view of the place without offensive smells
- $\rightarrow$ UP-to-date statistics and evaluation over the internet
- Full indication and error messages by SMS and/or email  $\rightarrow$
- $\rightarrow$ Individual calculation via invoice or pre-paid card
- Round-the-clock waste disposal: 24 hours a day / 7 days a week / 365 days of the year  $\rightarrow$
- Traffic congestion no waste collection vehicles  $\rightarrow$
- $\rightarrow$ Savings in waste fees of up to 50 percent

Convenient, large weighing system with 510 lt. volume EU-calibrated class IIII - automatic opening and closing, with safety bar





Simple operation by means of a transponder card or key fob Non-contact identification - display with operator guidance





# CONTEMPORARY DESIGN IN COMBINATION WITH **PROFESSIONAL WASTE** DISPOSAL

The visual appearance is becoming more and more important. The new MULTIPRESS ECO sets new standards with its design and functionality. Thanks to its individual design, the MULTIPRESS ECO can integrate perfectly into modern architecture.



# **INTERNET MANAGEMENT PROGRAM - WIP**

All data is available to the user and operator by means of a login and password. Easy to manage: reporting, download of statistics and logs via the internet.



Detailed reports for invoicing give complete transparency and thus create motivation for waste separation.

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Data transfer every 15 minutes via GPRS to the WIP Internet management program

# ECO RELOAD

Convenient upload of new credit by means of upload machine





transponder cards or key fobs

# WASTE COMPACTION

3500 kg of waste in a 10 m<sup>3</sup> press container corresponds to approx. 200 dustbins of household waste.





# ECO Communal

# ECO UNDERGROUND

Wherever people live, waste is produced. Optimisation by means of electronics is gaining more and more significance and the proportion of electronic components will continue to grow. ECO underground is a semi-underground container with an integrated weighing system and a capacity of 5 m<sup>3</sup>. The user is identified, the data saved accordingly and transferred to the internet management program.





# ECO TOWER

More room for the essentials: With the ECO tower, big quantities of waste and recyclable waste can be collected. In addition, it creates space for a cleaner, attractive environment.

# ECO LIFT SYSTEM - UNDERGROUND LIFT SYSTEM FOR PRESS CONTAINERS

The lift is a very strong, hot-dip galvanised steel construction with a special one hydraulic cylinder lift system. The lift is integrated into a concrete element which is either pre-fabricated or provided by the customer. It consists of a lower platform for the press container and an upper cover platform which is accessible with light weight vehicles.

The waste is thrown in via refuse chute which is fixed onto the cover platform. The ECO lift system is suitable for press containers up to 20 m<sup>3</sup>.













# ECO STATIC

It is the tailor-made solution for use in shopping centres, airports, stadiums, workshops etc. in order to divide the waste fees incurred fairly across individual companies.

An additional advantage is its permanent availability. An enormous transport cost saving arises from the fact that standard press containers can be hooked onto the ECO STATIC weighing chamber.





ECO STATIC can be operated conveniently from a ramp.

The large refuse sluice with more than 500 litre capacity saves time in the disposal process.

# ECO Industry ECO BIN LIFT



The fixed or mobile bin-lift feed system ECO BIN LIFT is the ideal solution for disposal according to polluter pays principle wherever large amounts of residual waste need to be collected in containers for disposal.

Equipped with the proven ECO Internet weighing system, the waste fees incurred can be divided fairly among the individual uses.

ECO BIN LIFT is ideal for integration in existing systems.

Our bin-lift systems are also available without weighing systems.



# ECO BIN LIFT

- is also available with
- $\rightarrow$  folding doors
- $\rightarrow$  high-speed door
- → light curtain

Identification using transponder card or RFID chip installed at the container.







# MP ECO CARTON

# Efficient collection of recycling material

# CARDBOARD PRESS 500+





# CARDBOARD BOXES ARE WELL-KNOWN TO BE BULKY AND UNWIELDY

..... 

So collecting them is laborious and costly. The MP ECO Carton and the cardboard press 500+ with their built-in presses achieve a compaction rate of at least 500%. They replace up to 80 bins with a capacity of 1100 litres each.

1000 to 5000 kg of cardboard boxes can be collected in one single pick-up.

Their compact size and ease of use make both systems ideally suited for installation in public places. The level indicator via SMS enables optimum route planning, saving time and money.





# EASY TO EMPTY

# FILLING OPENING FOR ALL OPERATORS

The wide filling opening and the ergonomically shaped feed table offer maximum ease of use. An additional feed-in recess even enables children and wheelchair users seamless and an easy operation.

Technical data	Multipress 10 Eco Carton	Cardboard Press 500+
Dimension W x D x H	4820 x 1920 x 2480 mm	2400 x 3100 x 2154 mm
Height of opening	1270 mm	1400 mm
Dimensions filling slot W x H	1000 x 120 mm	1970 x 120 mm
Engine power	250 kN	145 kN
Pressing cycle	24 sec.	35 sec.
Motor	5,5 kW	3 kW
Slow fuse	16 A	16 A
Unladen weight	3300 kg	2000 kg
Container volume	10 m³ (10, 12, 14, 16 m³ - 2 m³ = L +/- 500 mm)	6 m <sup>3</sup>

Emptying is easy and safe thanks to double doors. By means of special kinematics the doors close automatically when lowered. As the operator always remains outside the danger area, optimal safety is guaranteed.





# MULTIPACK



# SINGLE CHAMBER SYSTEM MULTIPACK 500 / 600

The small do-it-all for supermarkets, restaurants, hotels and workshops that have bulky refuse to dispose of and limited space available.



VERTICAL

# SINGLE CHAMBER SYSTEM 810 / 820 / 840 / 850

These power packs were especially developed to obtain higher bale weights with minimum space requirement and in doing so set new standards where economy is concerned. Pallet sized bales up to 500 kg for direct marketing can be made with a MULTIPACK 840 or 850.







# SACK PRESS MULTIPACK 660

The clean and hygienic solution for mixed refuse material. This sack press was designed for use especially in catering businesses and hospitals.

# **TIN CAN PRESS** MULTIPACK 610 / 620

The can press for all metal and plastic packing up to 60 litres. The tremendous compaction of up to 20:1, the minimum space required as well as simple and clean operation make this MULTIPACK an indispensible component in painting businesses, auto workshops, restaurants, etc.

# MULTI CHAMBER SYSTEM MULTIPACK 700 / 720

Compacting and sorting in one with the multi-chamber presses from PÖTTINGER. Install your domestic waste material centre in the smallest space.

# MULTIPACK 650

The waste compactor for standard containers from 660 to 1100 litres. Optimal container utilization through compression to approximately one third is guaranteed.

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# **BARREL PRESS** MULTIPACK 630 / 640

Steel drums of up to 200 litres are compacted effortlessly with a factor of 20:1.







# MULTIPACK HORIZONTAL



# MULTIPACK 3000 HA - SEMI AUTOMATIC BALING CHANNEL PRESSES

# 

The biggest advantage of this baling channel press with a compression force of 12 to 36 tonnes is the possibility of filling it continually. A special construction of the press guiding plate with two cutting knives and a photo electrical sensor enable the machine to work without interruption.



# MULTIPACK 2000 HORIZONTAL BALING PRESSES WITH COUNTER PLATE

Highly versatile horizontal baling presses with a compression force of 9 to 40 tonnes, which creates up to 500 kg heavy bales. Thanks to its power and high degree of automation very high performance is reached. The presses are used by industrial plants, large warehouses, large logistic centres as well as large furniture stores etc.

Optionally the press can be equipped with a lifting and tilting system which is ideal for waste collecting centres in cities.



# MULTIPACK 3000 A

The fully automatic PÖTTINGER MULTIPACK baling channel press with output and bale weights of up to 600 kg are the optimal prerequisite for economic, future-oriented waste disposal.

Combined with an optimal feeding system (conveyor belt or air channel technique), valuable secondary raw material such as paper, cardboard, plastic film, hollow bodies and other packing materials are pressed into highly compressed and compact bales that can be easily stocked and transported.



# MULTIPACK 4000 - TIN CAN PRESS

Can presses with electro-hydraulic mechanism and compression force of up to 70 tonnes, for compacting steel packaging, screw plugs, cans and tubes.

# HORIZONTAL FULLY AUTOMATIC BALING CHANNEL PRESS



# MULTIBRIK THE ALL-ROUND GENIUS FROM PÖTTINGER



# MULTIBRIK BRIQUETTING PRESS



Through briquetting a wide range of materials, waste disposal logistics is optimised. The possibility of connecting installations makes MULTIBRIK the ideal addition for full automatic processes.



# DOCUMENT DESTRUCTION

- $\rightarrow$  Optimal data protection (DIN protection class 4)
- $\rightarrow$  Non-destroyed documents remain within the company
- $\rightarrow$  Compaction rate up to 20:1
- $\rightarrow$  Massive saving on storage and transport costs



# UNIVERSAL PACK ROTOR

Arching is avoided.

# VERSATILE CONVEYOR TECHNOLOGY

By means of a briquette sliding rail or a briquette conveyor, the briquettes are transported directly into a container.





# **TOBACCO INDUSTRY**

ightarrow Paper and filter waste from the recovery process and tobacco dust

- are briquetted and thus makes disposal easier.
- $\rightarrow$  Compaction rate up to 50:1.
- $\rightarrow$  Water is added to bind the dust.

# COFFEE INDUSTRY

- $\rightarrow$  Membranes which accumulate during the roasting process are briquetted and thus aid problem-free waste disposal.
- $\rightarrow$  Integration into existing extraction systems possible.
- $\rightarrow\,$  Water is added to bind the dust.

Technical dataMULTIBRIKDimension W x D x H2090 x 1380 x 2Hopper size feeder area760 x 800 rHopper size output area350 x 480 rMotors7,5 kW / 10 kW + 4 kBriquette diameter60 mmOutput (depends on material)approx. 100 - 2Slow fuse32 AWeight1470 kgWater supply for briquetting3 bar minimum		
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Slow fuse32 AWeight1470 kgWater supply for briquetting3 bar minimum	Output (depends on material)	approx. 100 - 2
Weight1470 kgWater supply for briquetting3 bar minimum	Slow fuse	32 A
Water supply for briquetting 3 bar minimum	Weight	1470 kg
	Water supply for briquetting	3 bar minimum p

# PAGE 40-41

A compressor mechanism for optimal material handling.

## MULTIBRIK 084 085 190 mm 2090 x 960 x 1450 mm DM 250 or DM 600 mm mm 420 x 450 mm mm kW + 0,55 kW 7,5 kW / 10 kW + 4 kW + 0,55 kW 60 mm 200 kg/h approx. 100 - 200 kg/h 32 A 1470 kg pressured 3 bar minimum pressured









# MOBIGAS MOBILE AND MODULAR BIOGAS SYSTEMS



# THE REGIONAL CONCEPT FOR ENERGY GENERATION FROM ORGANIC WASTE

## ..... . . . . . . . . . .

Organic waste is energy-rich and exists regionally in relatively large quantities. As a rule, waste disposal takes place using composting plants or it is disposed of with mixed household waste. However, it contains a lot of energy which is not used in conventional waste disposal methods.

The MobiGas concept is aimed at generating this energy and utilising it in the region. Through the integration into regional composting plants, the system provides the perfect complement and technical enhancement to the composting process.

# THE PROCEDURE

Instead of the main composting stage, the organic waste is filled in the fermenter container to a volume of approx. 58 m<sup>3</sup> and afterwards produces biogas in a three-stage process. The first phase is the aerobic phase, whereby the material is ventilated in the fermenter. In the second phase, ventilation ceases and the anaerobic phase begins. A percolate is sprayed onto the material and the fermenter container gets heated via a floor heater. The generation of bio gas begins and lasts approx. 2-6 weeks. When the material is analysed, in the last phase the fermenter container is ventilated again and thus the process is stopped.

The biogas is used directly on site by means of a cogeneration unit in electric and thermal energy. The remaining material is subsequently processed and made into compost through secondary composting.



# FLEXIBLE CAPACITY

Through its modular concept, the performance of the plant can be adjusted to requirements at any time. Depending on the required capacity, 3 to 10 fermenter containers can be used which generate an annual capacity of 1000 to 5000 tonnes. The entire plant is controlled by the technology containers which contain the gas analysis, gas storage and gas utilisation.

Seasonal fluctuations in capacity, especially in summer and winter, can be covered by loan fermenters. Tourist areas with high winter capacity for example, can offset urban areas with higher summer capacity. The fermenter containers are simple and quick to transport and can be attached to the existing plant.

# ENVIRONMENTALLY-FRIENDLY PROCEDURE

Through the energy generation from organic waste, fossil fuels can be reduced. An important step towards energy self-sufficiency and CO, reduction! Local energy generation is a trend which will only continue to increase in the future.

## Technical data

Fermenter dimensions L x W x H Fermenter volume Process interval Biogas generation per 1 tonne substrate (depends on the material) Methane content of biogas Energy generation per m methane (CH4) Cogeneration unit energy generation per m methane (CH4) electric Cogeneration unit energy generation per m methane (CH4) thermal Capacity per fermented CO<sub>2</sub> reduction per t substrate (reference value) Space requirement for plant - 1 technology container and 5 fermented containers approx. 20 x 25 m

MobiGas
8000 x 3000 x 3000 mm
58 m³
2-6 weeks
approx. 120 m <sup>3</sup>
approx. 60 %
approx. 10 kW
3 kW
6 kW
approx. 330 t / year
approx. 0,2 t







# ONE WORLD – ONE SERVICE

# WE STAND FOR COOPERATION

## 

Quality stands for cost-effectiveness, reliability and durability. This doesn't just apply in production but also for service and customer service. The common goal is sustainability in waste management. Sustainability which we can only achieve through cooperation. Because a chain is only as strong as its weakest link, available goods need not constrain recyclable goods logistics. Only if the goods are available, you can fulfil your waste management tasks. That is the job of the Pöttinger service team.

PÖTTINGER service is full service: It begins with consulting and project management and moves onto review according to legal safety regulations, maintenance and troubleshooting service right up to repair. If needed, presses are available on loan. A spare parts service and general overhaul is likewise a matter of course. Our service team is very well trained and can be on site immediately. Our service and support packages are individually tailored to the requirements of our customers. Neither our customers nor the environment can afford hidden costs.

And incidentally, neither can we. Because the secret of our successful and long term cooperation with our customers is - service. Only if you are satisfied with us, are we satisfied with ourselves. That is the tradition in our company.

# One World – One Team.

If manufacturer and user wish to pursue a common goal, service must be the focal point.

# EFFICIENTY SERVICE QUALITY YOU CAN TRUST!

## 

- 22 employees committed to providing service
- 12 service vehicles in your vicinity
- 15 service presses on loan for emergencies
- 2400 services scheduled every year
- 90% fault repair within 24 hours
- 85% spare parts delivery within 48 hours

providing service icinity or emergencies ery year ours thin 48 hours



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