

FLEXIDRY®

# FROM BIOWASTE TO BIORESOURCE

New decade, new offering

2021



## NEW DECADE, NEW OFFERING

The biowaste sector is entering a game-changing decade, and we are pleased to introduce our new FLEXIDRY offering:

- A **brand-new machine, FLEXIDRY**, ahead of market standards allows for: high capacity, complex & heterogenous input, user-friendliness & efficient maintenance
- Access to our technology to help you get started and scale easily
- **Reinforced customer support** to empower you at every step, from organic waste sourcing to best practices across our community of clients





1. FLEXIDRY OVERVIEW

2. BY YOUR SIDE AT EVERY STEP

3. ABOUT US



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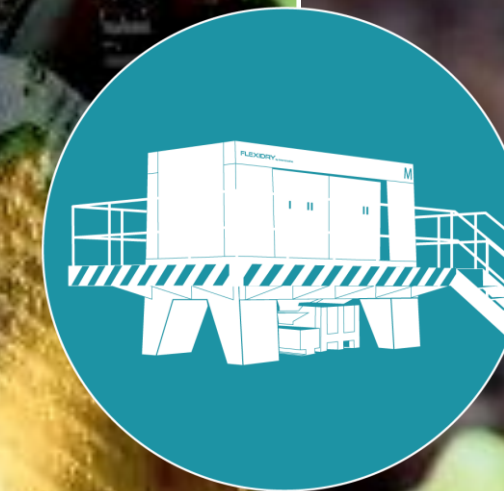
# BIOWASTE = BIORESOURCE

**FLEXIDRY depackaging systems** separate packaged biowaste from containers, with a technology that doesn't require water nor shredding.

Thanks to FLEXIDRY's unique technology, biowaste is saved from landfill and incineration. The recovered organic matter, **the *pulp*, becomes a bioresource, thanks to its unmatched purity (>99.9%).**

Since day one, we've been focused on delivering the highest pulp quality on the market allowing biowaste to become a **natural fertilizer.**

Closing the loop on biowaste also translates into tangible carbon footprint reduction & economic growth, **supporting the rise of the circular economy.**







We're proud of our pulp!

Creating a virtuous biowaste cycle is only possible thanks to top quality pulp, that makes for quality digestate and quality compost.

We are proud to be **the #1 preferred solution for farm-based biodigesters**, as soil health & fertilization are top of mind in the farming community.



AN UNMATCHED  
PURITY RATE  
OF 99,8%  
in DRY EXTRACTION





HIGH PERFORMANCE.  
ZERO COMPROMISE  
ON THE PULP QUALITY.



NEW

HOUSEHOLD &  
HOSPITALITY Waste  
3 to 5 tph



FOOD INDUSTRY  
Waste  
6 to 10 tph



SUPERMARKET  
Waste  
4 to 8 tph





# HOW DOES IT WORK?

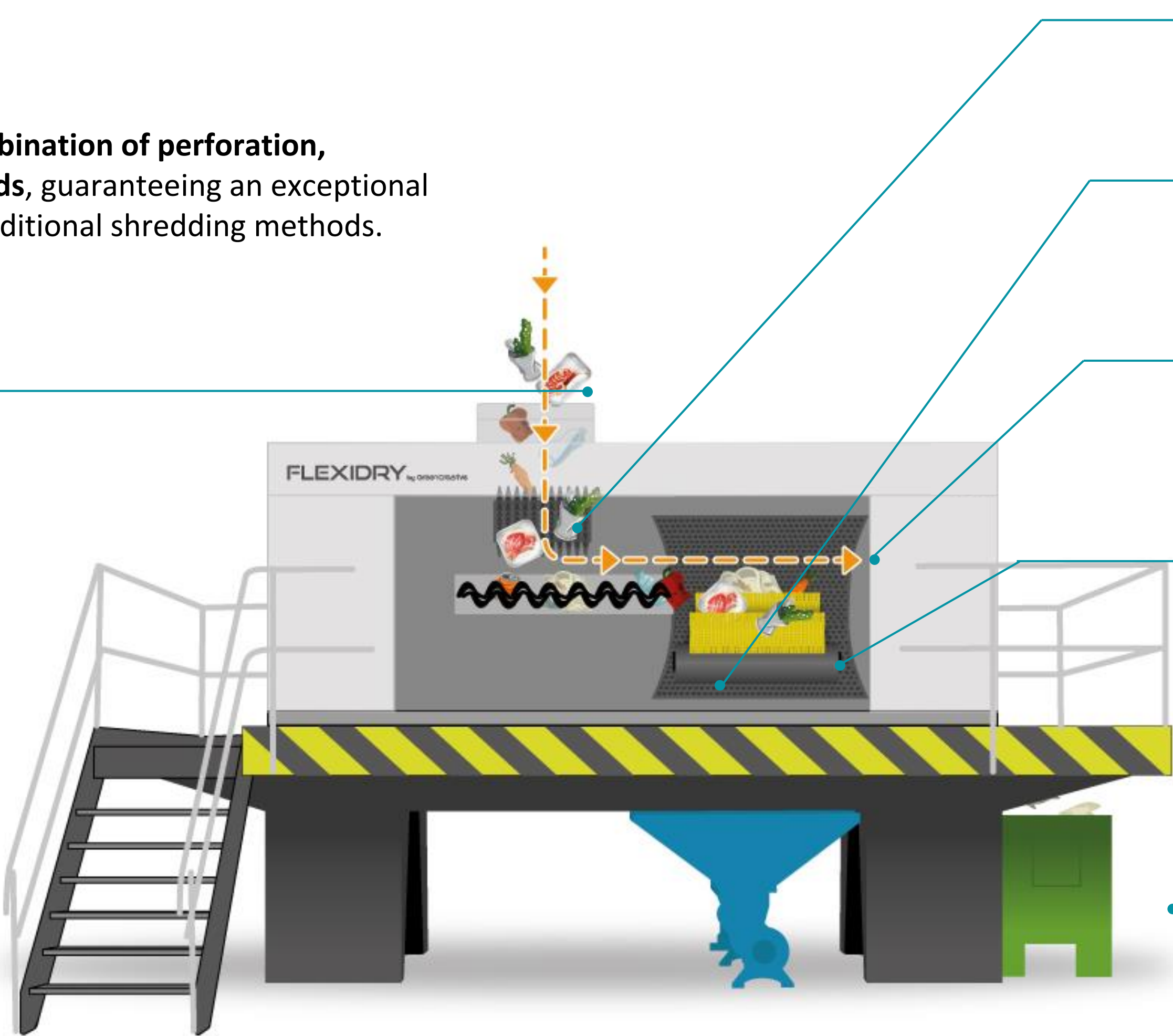
Our technology is based on a **unique combination of perforation, compression, filtering & brushing methods**, guaranteeing an exceptional purity rate that can't be achieved with traditional shredding methods.



ALL TYPES OF WASTE



ORGANIC MATTER



- [1] **PERFORATION**  
This module perforates packaging without shredding it
- [2] **COMPRESSION**  
The roller crushes the waste to extract the organic matter
- [3] **FILTERING**  
The organic matter passes through the trommel screen which retains packaging residue
- [4] **BRUSHING**  
The containers are brushed to clean them and retrieve as much organic matter as possible

PACKAGING

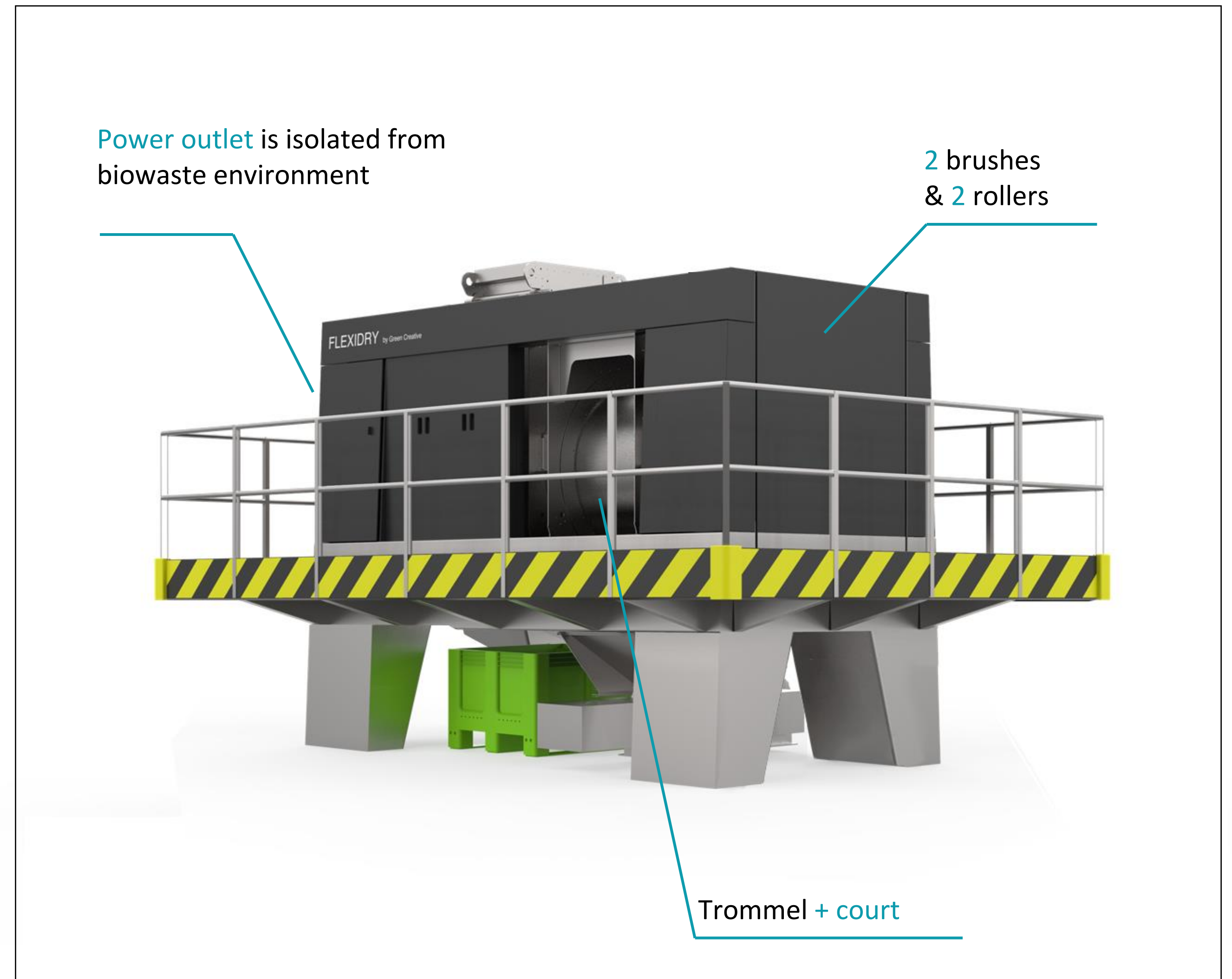




# FLEXIDRY: READY FOR THE MARKET'S NEXT CHALLENGES

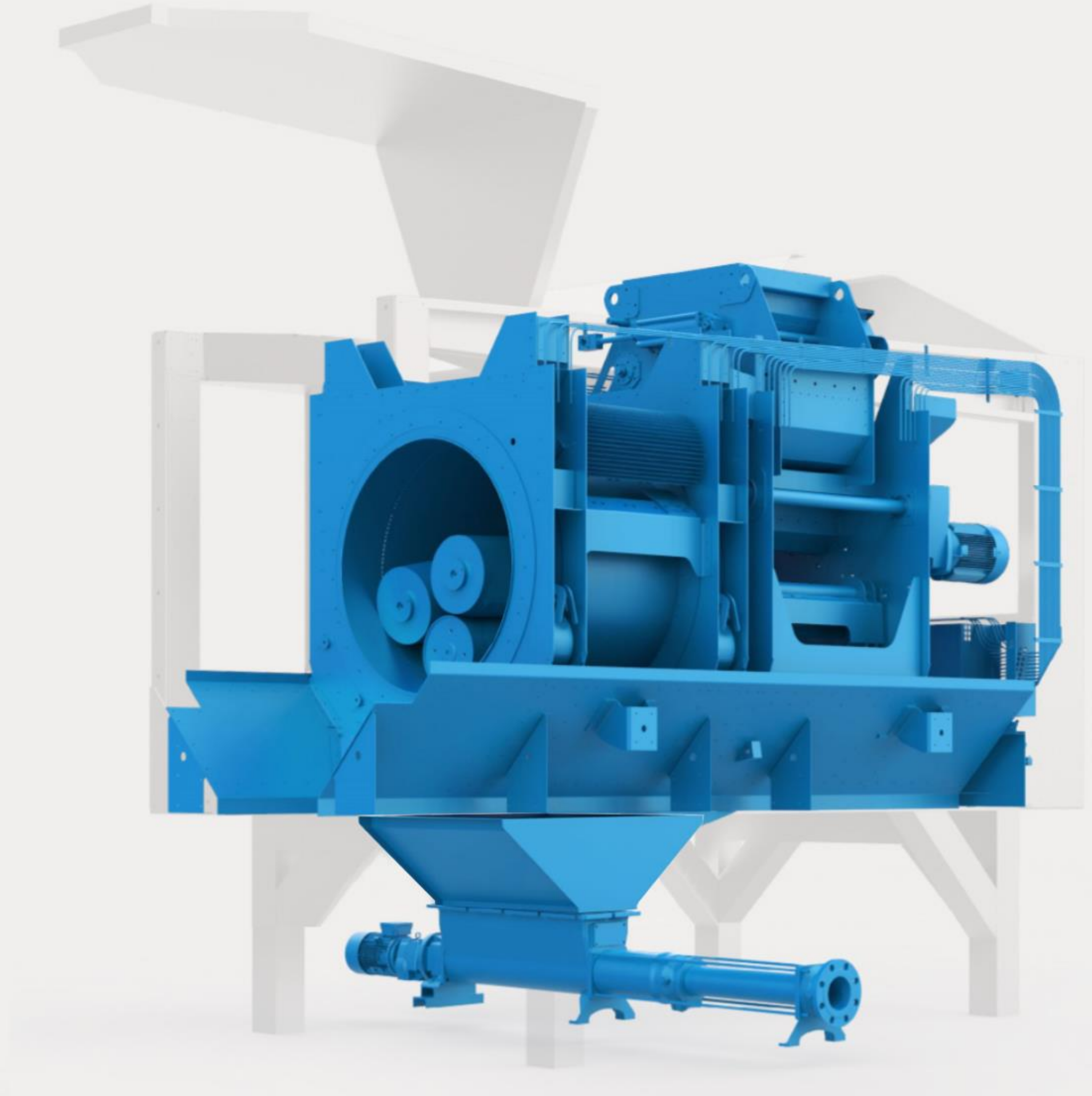
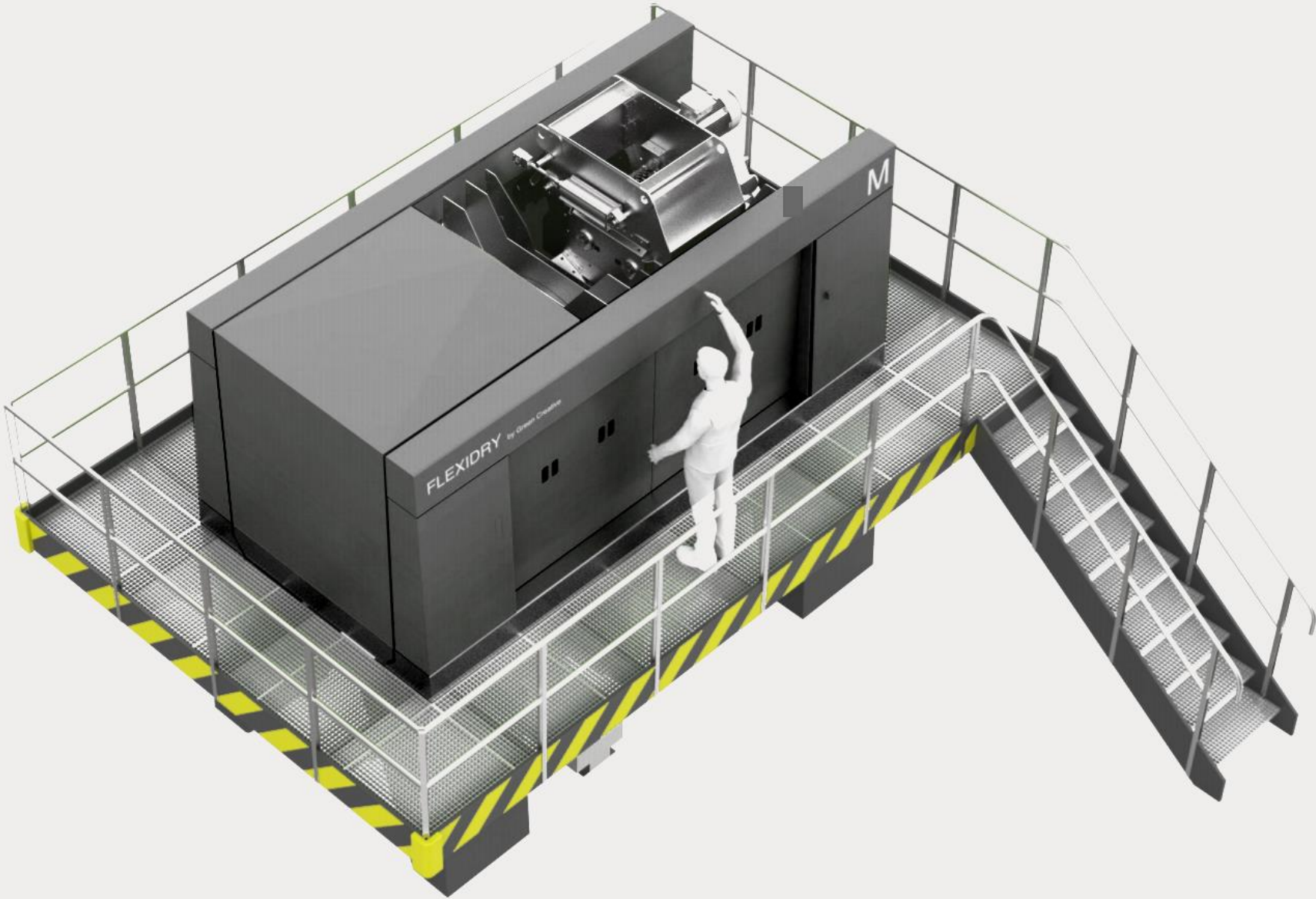
With FLEXIDRY, our technology enters a new market category:

- Capacity is **up to 8 tons per hour** for supermarket waste and **up to 10 tons per hour** for industrial waste
- Energy consumption is at its lowest yet : **2,8 kWh per ton**
- Maintenance is quick & easy thanks to an integrated platform
- Cleaning times are significantly reduced



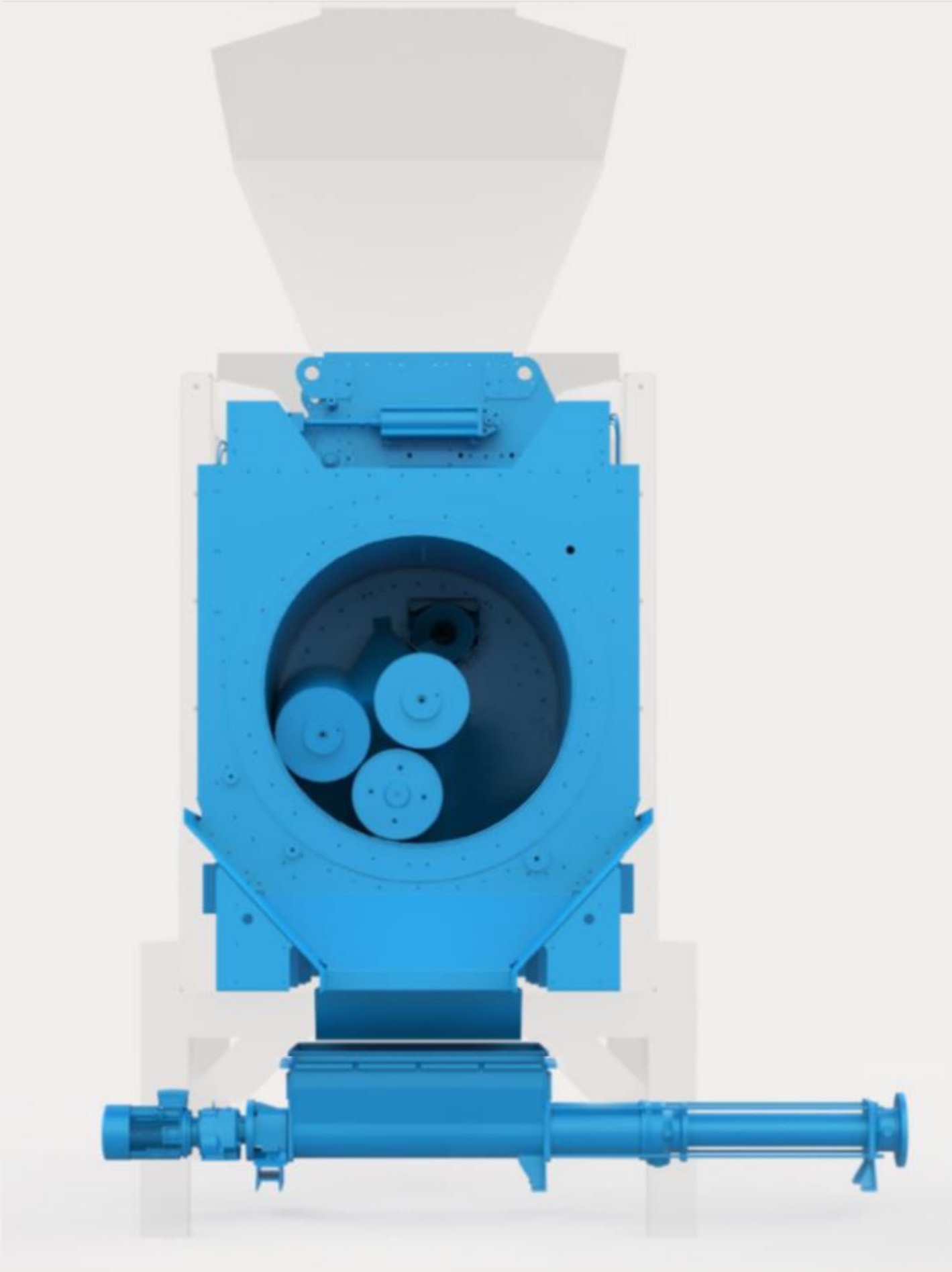
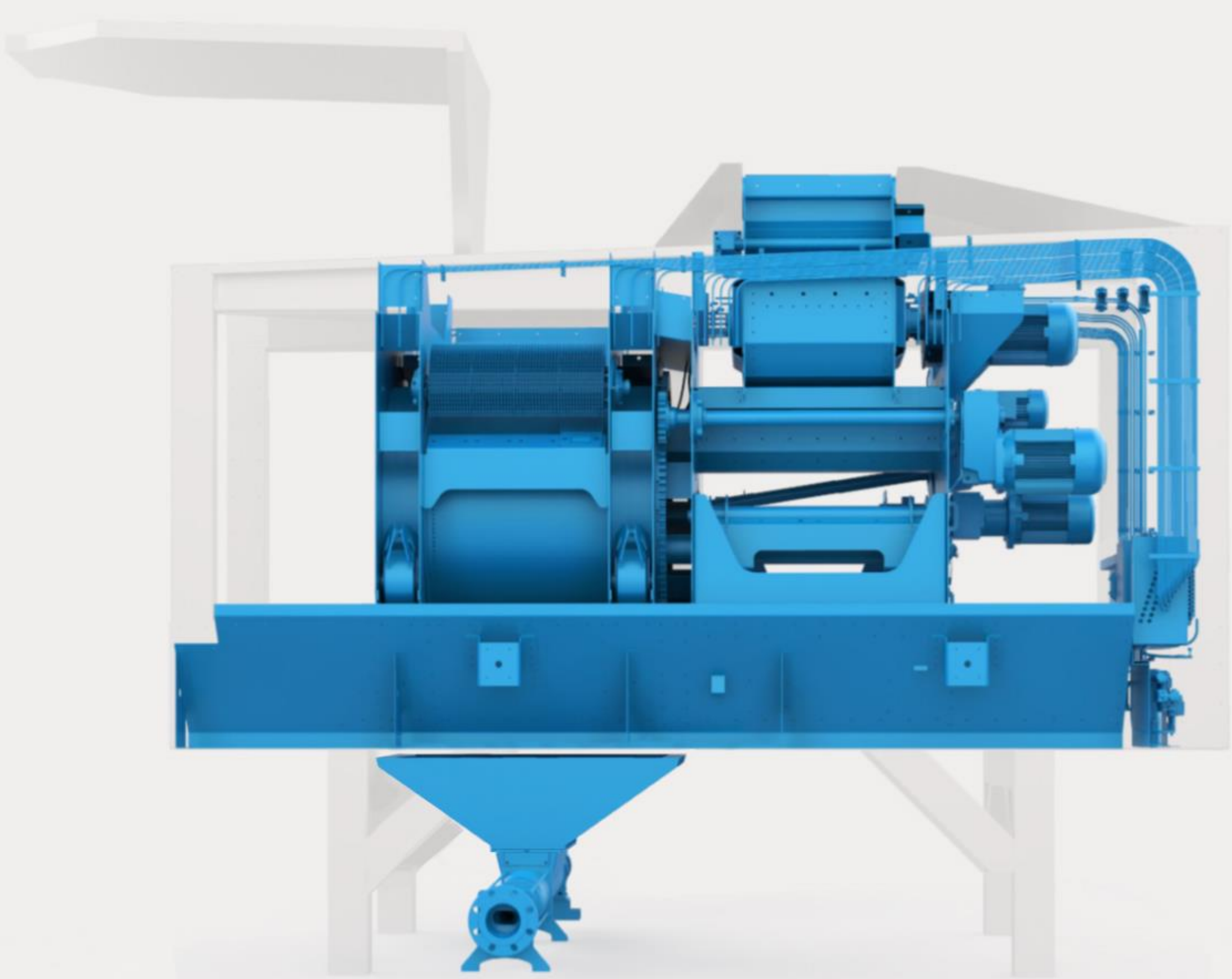


# A GAME-CHANGING TECHNOLOGY





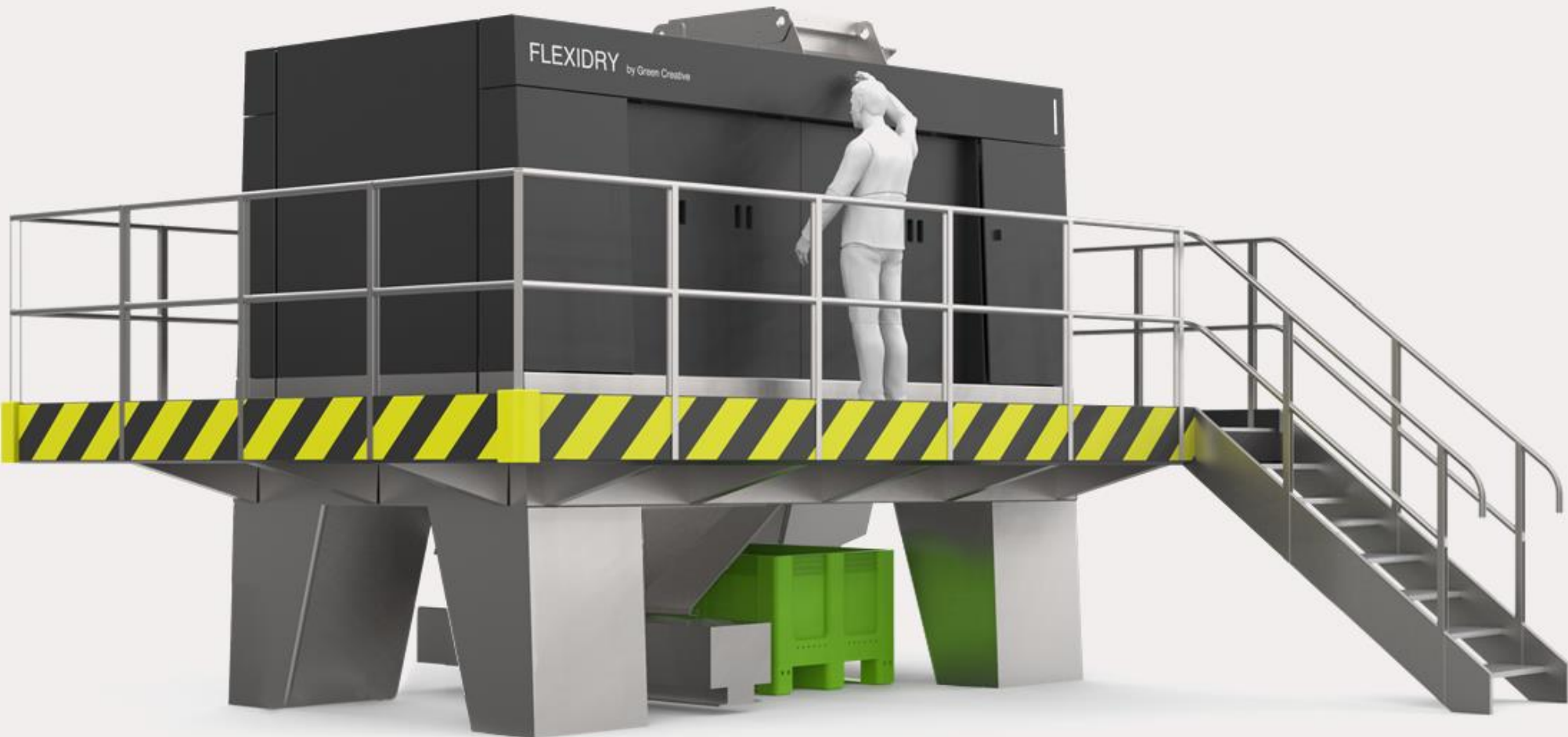
# A GAME-CHANGING TECHNOLOGY





# FLEXIDRY: TECHNICAL SPECIFICATIONS

WEIGHT	10,5 t (gateway not included)
LENGTH	4,373 m
WIDTH	2,230 m
HEIGHT	4,357 m
POWER	37.5 kW - Motor IE3
TENSION D'ALIMENTATION	Three phase 400V – 50 Hz
PNEUMATIC PRESSURE	7 to 10 bar
WATER CONSUMPTION	50 L per automatic cleaning cycle
	8 to 12 %





# FLEXIDRY : TECHNICAL SPECIFICATIONS



FRAME	Inox AISI304
PERFORATION UNIT	Frame : Inox AISI304 Perforation rollers: RAEX 450 (Creusabro) Brace & Comb: Acier S235J0
BRUSH	Steel 42CD4 & nylon bristles
ROLLING ROLLS	Brace : Steel 42CD4 Rolls : Steel E355
TROMMEL	Duplex 2205 Stainless steel
STRIPPER	Steel S235J0
CHUTES	Stainless Steel AISI304
HOODS	Aluminium, stainless steel & painted steel



# FLEXIDRY : BENEFITS

## ALL TYPES OF BOWASTE

NEW



HOUSEHOLD WASTE



RESTAURANT & HOSPITALITY



SUPERMARKET & FOOD INDUSTRY

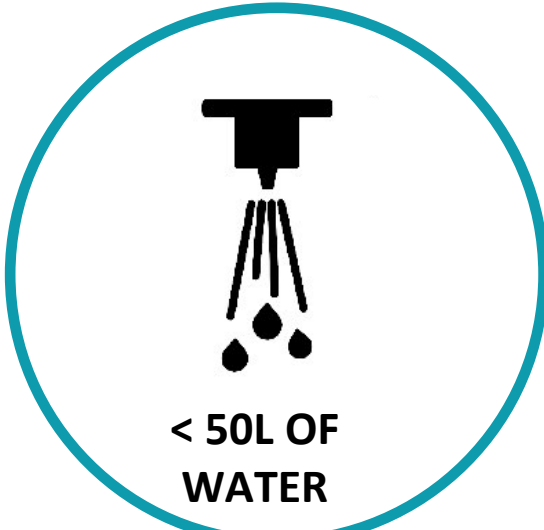
## UNMATCHED PURITY RATE

ONLY 0,114% OF  
CONTAMINANTS  
IN DRY EXTRACT

Input: Mixed biowaste with over  
wrapping from supermarkets |  
Recovered dry organic matter : 22%



## USAGE & MAINTENANCE



< 50L OF  
WATER

AUTOMATIC WATER  
EFFICIENT CLEANING

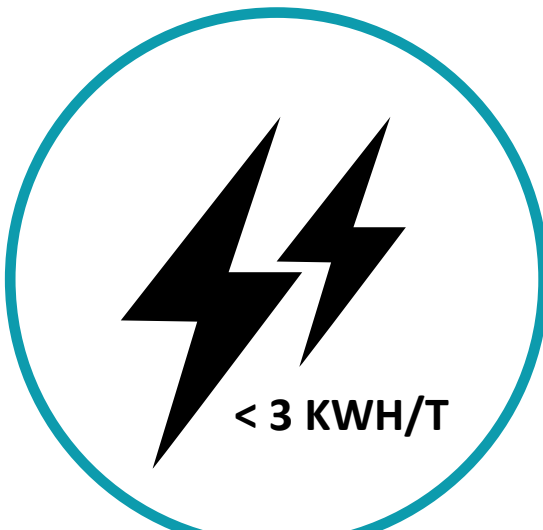


CONNECTED DASHBOARD



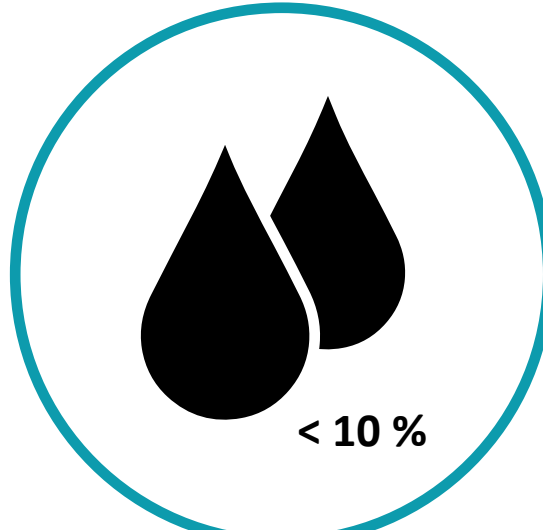
QUICK ACCESS  
TO SPARE PARTS

## ENERGY EFFICIENCY



< 3 KWH/T

LOW ENERGY  
CONSUMPTION



< 10 %

ADJUSTABLE  
WATER SETTINGS



1. FLEXIDRY OVERVIEW

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BY YOUR SIDE, AT EVERY STEP

- 1 PROJECT ASSESSMENT & SCOPE
- 2 BIOWASTE STREAM INSIGHTS & PARTNERS
- 3 MANUFACTURING & SET UP
- 4 TEAM TRAINING & SUPPORT
- 5 CONNECTING WITH THE FLEXIDRY COMMUNITY
- 6 ONGOING SUPPORT & QUARTERLY MAINTENANCE





1

PROJECT ASSESSMENT  
& SCOPE

2

BIOWASTE STREAM INSIGHTS  
& PARTNERS

3

MANUFACTURING  
& SET UP

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TEAM TRAINING  
& SUPPORT

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CONNECTING WITH THE FLEXIDRY  
COMMUNITY

6

ONGOING SUPPORT  
& QUARTERLY MAINTENANCE

## WHERE YOU'RE AT

You are working on your biowaste recovery project, requiring pre-treatment of organic waste – what is the best business model? what are the best financing options? what are my technical constraints? how can I build on my existing set-up?

## HOW WE HELP

- **Project scoping:** budget, timeline, biowaste stream typology & volume
- **Technical recommendations** for a turn-key solution adapted to your site, objectives & constraints
- **Business proposal** and financing options
- **On-site visit** to an existing FLEXIDRY installation to see pulp quality
- **Contract signature** and admin process kick off with our operational team



## KEY CONTACT



**Lucile NOURY**  
President / CEO  
Green Creative



**Blandine CALLIER**  
Executive Assistant  
Green Creative



# WHERE YOU'RE AT

In order to ensure your project's financial sustainability, you need to consolidate a local ecosystem to secure biowaste streams and resource recovery partners.

# HOW WE HELP

- We help you identify key biowaste partners to build your ecosystem
- We make personal introductions to connect you with potential biowaste streams in your geographical area
- We provide access to our extensive network in the biowaste industry to help you succeed

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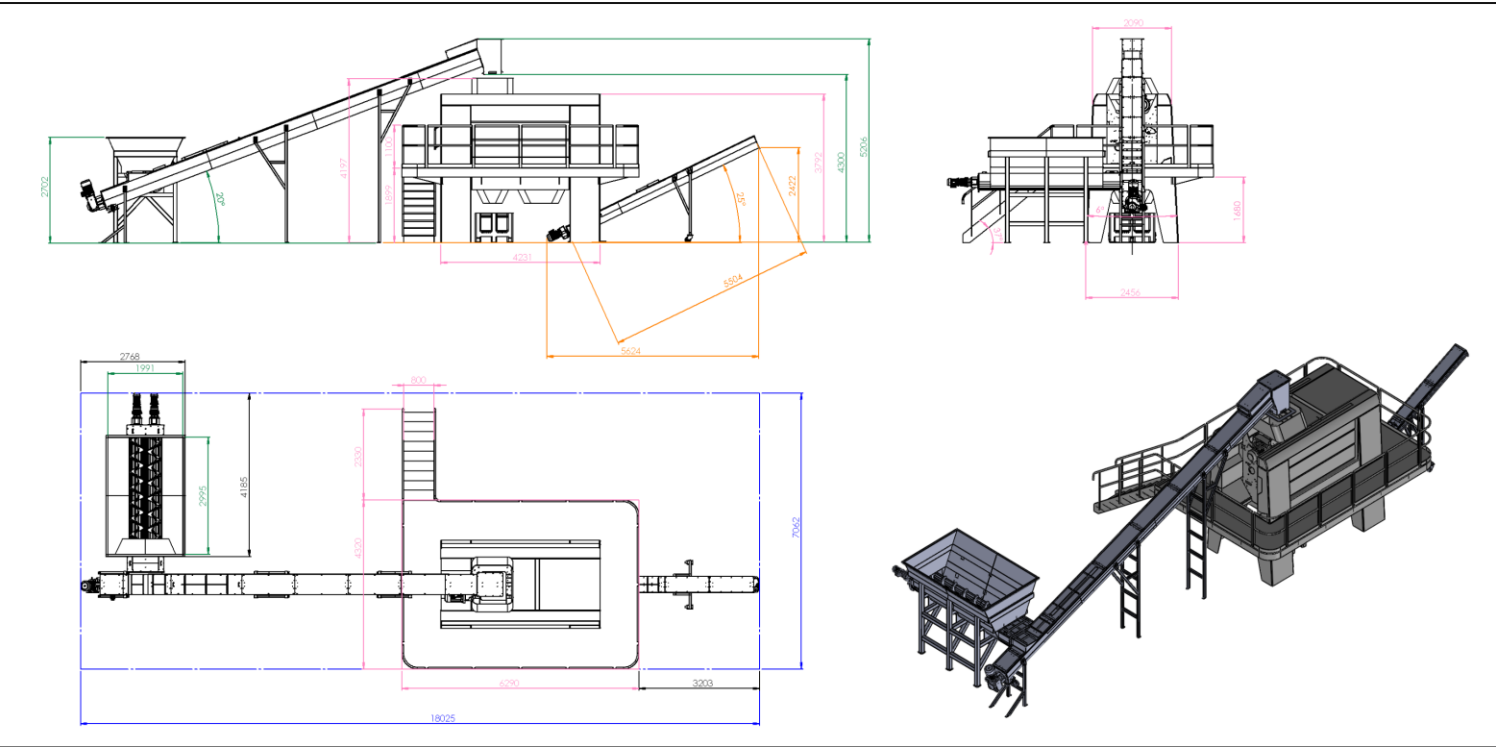


# WHERE YOU'RE AT

You've chosen the right technology and are ready to start a new chapter with FLEXIDRY. FLEXIDRY now needs to be integrated in your existing process and workflow.

# HOW WE HELP

- **On-site meeting** with both our business and technical teams
- **Manufacturing** in our factory
- **Delivery & Set up** of FLEXIDRY modules
- **Machine start-up and ramp-up**



# KEY CONTACT



**Didier COUZI,**  
Service & Maintenance  
Manager, Green Creative



# WHERE YOU'RE AT

Starting a biowaste activity and operating a depackaging machine both require new skills from you and your team. How can you quickly upskill and be ready for the task?

## HOW WE HELP

- A high-quality in-person training program
- A step by step approach to allow for deep upskilling and team empowerment
- A co-designed program adapted to your specific context and needs

### SESSION #1

1 Day – after machine start up

Goals:

- Understand technical process and machine theory
- Be able to operate level 1 maintenance

### SESSION #2

1 Day – after 2 months of operations

Goals:

- Revise and optimize day to day operating process and level 1 maintenance

## KEY CONTACT



**Didier COUZI**,  
Service & Maintenance  
Manager, Green Creative



**Nicolas LAURENT**  
Engineer, Maintenance & Training  
Green Creative



# WHERE YOU'RE AT

The biowaste sector is growing fast and best practices change rapidly. You can't always keep up.

# HOW WE HELP

- Connect with other FLEXIDRY clients & advocates, share insights and best practices through the FLEXIDRY community.
- Stay in the know with the FLEXIDRY Newsletter that gives you insights into the latest product development and community updates.
- Be featured through videos, blog posts, interviews thanks to our marketing team.

# KEY CONTACT



**Lucile NOURY**  
President / CEO  
Green Creative



**Blandine CALLIER**  
Executive Assistant  
Green Creative



**Catherine TRAUT**  
Communication Manager  
Green Creative







## WHERE YOU'RE AT

Technical challenges, new workflow, new waste typology, no matter what comes your way you need flexible, reliable, on-demand maintenance and on-going customer support.

## HOW WE CAN HELP

High-quality on-going maintenance and customer support:

- Dedicated customer support team
- Local partners in case of emergency
- High availability of spare parts and priority access for our customers
- Quarterly check-ins for on-going process optimization

Customized support to adapt to your changing needs, waste typology and volume:

- Connected dashboard to better interact with your operating team
- Pre-programmed settings customized to your waste typology
- Access to the latest product development
- Access to resource & energy consumption data via dashboard

## KEY CONTACT



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Service & Maintenance  
Manager, Green Creative



**Nicolas LAURENT**  
Engineer, Maintenance & Training  
Green Creative



BOOK NOW

## BOOK YOUR VIRTUAL TOUR !

To help you refine & launch your biowaste depackaging project, despite Covid-19 lockdowns, **we're launching virtual tours** from one of our client's composting sites in Aube, France.

- 30 min online meeting via Google Meet
- A virtual tour with video clips to answer your specific questions
- Includes Q&A / testimonials from La Compostière de L'Aube, one of the first sites in France to operate FLEXIDRY





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# AN INTERDISCIPLINARY & COMMITTED TEAM

We are a crew of **20+ passionate people**, driven by one mission:  
**helping biowaste entrepreneurs build a circular and environmentally virtuous economy thanks to the Flexidry technology.**

In order to best support our clients in the development of this bioeconomy,  
we've invested in **growing different in-house expertise:**



R&D



PRODUCTION



BUSINESS



MAINTENANCE





# PRODUCTION & MAINTENANCE FACILITIES

Our design & manufacturing facilities are located in the Paris area. All of our equipment is fully developed & made in France.



ASSEMBLY



BUILD



We also have a **dedicated facility for maintenance services**



SPARE PARTS PRODUCTION



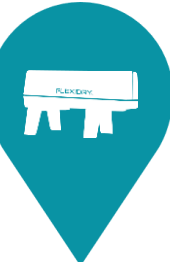
REPAIR WORKSHOP





# A EUROPEAN REACH THANKS TO LOCAL PARTNERS

We have over 30 clients to date and are currently operating in France, the UK, Switzerland, Italy & Poland.



Maintenance sites



Sales  
& Client Relations





# WE SUPPORT A WIDE VARIETY OF CLIENTS DRIVEN BY THE SAME AMBITION: AN OUTSTANDING PULP QUALITY

## WASTE MANAGEMENT



Biowaste volume : 2500 t/an  
Input type: All  
Starting date: 2019



Biowaste volume : 4500 t/an  
Input type : All  
Starting date: 2 in 2020



Biowaste volume : 8000 t/an  
Input type : All  
Starting date: 2019

## ANAEROBIC DIGESTION



Biowaste volume : 5000 t/an Input  
type : Industry / supermarkets  
Starting date: : 2018



Biowaste volume : 2500 t/an  
Input type : Industry / supermarkets  
Starting date: 2016



Biowaste volume : 4500 t/an  
Input type : Industry  
Starting date: 2018

## COMPOSTING PLATFORMS



Biowaste volume : 4000 t/an Input  
type : Industry / supermarkets  
Starting date: 2017



Biowaste volume : 1500 t/an Input  
type : Industry / supermarkets  
Starting date: 2015 + 2020



Biowaste volume : 4500 t/an  
Input type : Industry / supermarkets  
Starting date: 2018

## ANIMAL FOOD



Biowaste volume : 2500 t/an Input  
type : Industry  
Starting date: 2017

## COSMETICS



Biowaste volume : 3000 t/an Input  
type : Scraps  
Starting date: 2010



## CONTACT US

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50 Technology Fast 50  
2017 FRANCE

