BIOPAP[®] Packaging Solutions





Worldwide trend



15 tonnes of packaging waste are produced in the world every second

300 million tons of plastic produced every year 1/2 of which for single-use items (Source: UNEP)





Gen Z consumers are increasingly shaping consumption trends and behaviors.

The percentage of Gen Z that would stop purchasing from a company that doesn't care about sustainability.

Source: survey from Cone Communications

The percentage of companies that experience positive improvement in their Business Peformance by paying attention to ESG.

Source: Gunnar Friede et al., ESG and Financial performance.







Percentage of Gen Z consumers that states sustainability is more important than brand name and sustainability means "sustainable manufacturing."

Source: Gen Z And Sustainability: The Disruption Has Only Just Begun, Forbes



Percentage of the world's income that Gen Z owns, surpassing the

Source: Business Insider

Why Italy?

- EU has strict recyclability, re-use, composting and waste management requirements: a new Directive bans greenwashing and vague claims
- EU rules set the pace for other countries' legislation for the sector
- Italy is the leading EU country for compliance and innovation in waste recycling and composting
 - EU targets for waste collection in recycling: 65% by 2025 and 70% by 2030
 - Italy in 2022 has already reached 71.5% of waste collection for recycling, thanks to the collaboration between industrial companies and consortia and municipal efforts
- Over 10.4 million packagings recycled every year:
 - 418,000 tons of steel
 - 60,000 tons of aluminium
 - 4 million 147,000 tons of wood
 - 1 million 122,000 tons of plastic
 - 2 million 293,000 tons of glass



Compostability

- Compositing is the return to agriculture's origins
- Nothing is wasted
- Food returns to the land to fertilize soil
- BIOPAP® containers are part of the process







Invest and innovate now to transform your business model Protect your long-term profitability and viability

Growing Market for Sustainable Goods

- Your commitment to sustainability can convert like-minded customers into your customers, thus increasing sales and market share
- Gen Zs and Millennials are more willing to pay more for products that contain sustainable products and practices



Cooperative Action Can Drive Change

• Companies that work together to address these issues thrive in success, while reaping the benefits of environmental improvement



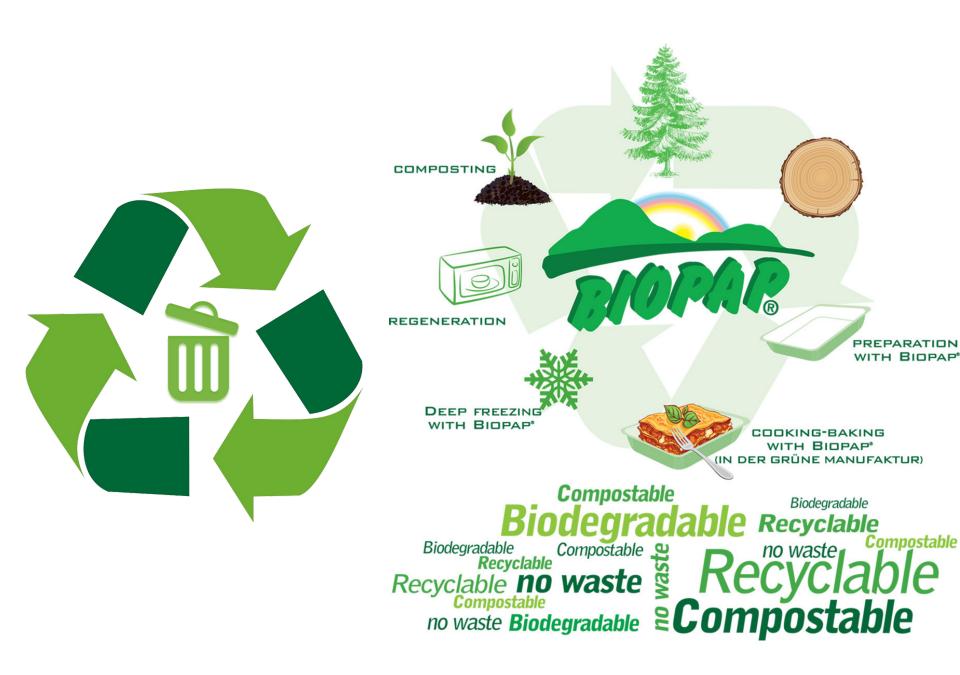
Risk Mitigation and Brand Protection:

• By instituting a sustainable strategy that protects the environment, you also protect your company from any damage

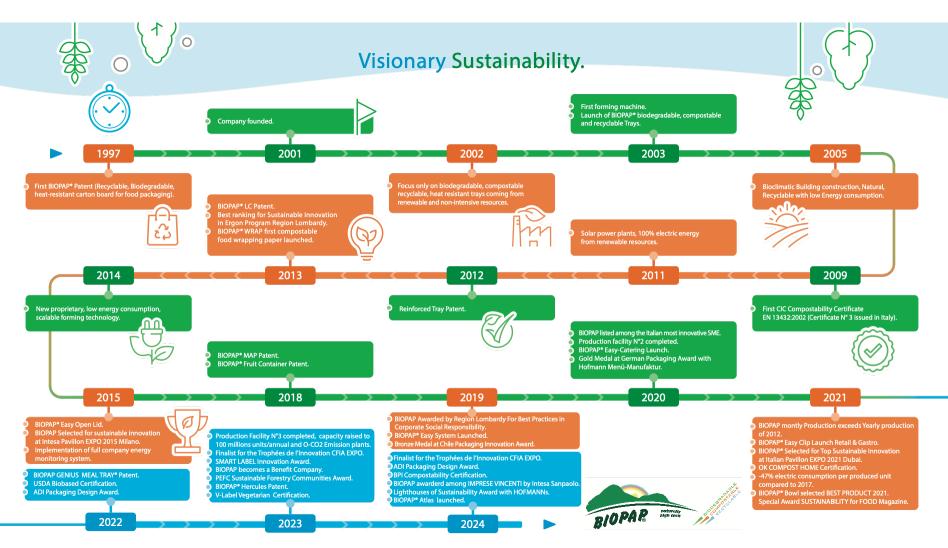


Gain Competitive Advantage

• Infusing your Company with purpose that does good to the world you can attract and retain motivated, skilled workforce that drives financial success











OUR PRODUCTION PLANTS AND HEADQUARTER



BIOPAP®: Our Values



SUSTAINABILITY and CIRCULARITY

- **SOCIETY AND THE ENVIRONMENT:** We are a Benefit Corporation
- ONLY BIODEGRADABLE AND COMPOSTABLE PRODUCTS to transform waste into valuable resources to preserve the environment and benefit agriculture
- **PAPER RECYCLABLE:** all our products when clean are paper recyclable
- RENEWABLE RAW MATERIALS ONLY: PEFC certified from non intensive production of European forests
- **ZERO WASTE:** 100% of trimmings are recycled into new packaging
- **ZERO EMISSIONS:** 100% energy self-sufficient only electricity from renewable sources
- LOW ENERGY CONSUMPTION: customized technologies to save energy
- **BIOCLIMATICITY**: headquarters built with natural materials to minimize the use of energy

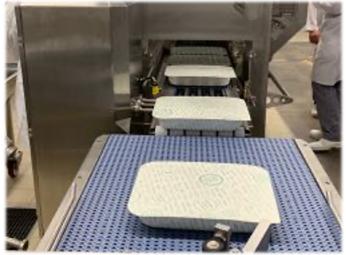


Our Experience at Your Disposal



- We are the only company focusing exclusively on high-performance compostable and biodegradable food packaging
- Over 20 years of unique experience in product and industrial development
- We developed and refined a proprietary system of high-performance raw materials with an innovative and scalable converting technology.
- We supply a complete system of trays and lids for large scale , high-demanding food processing and delivery system such as warm deliveries, cook & chill and cook & Freeze with re-heating temperatures from 110° C to 185° C (215° C for LP)
- Biodegradable and Compostable Top seal lidding with clear films or hard lids with easy open and self-venting system
- We have running applications and multi-year development partnership with the major producers of automated filling and top sealing lines

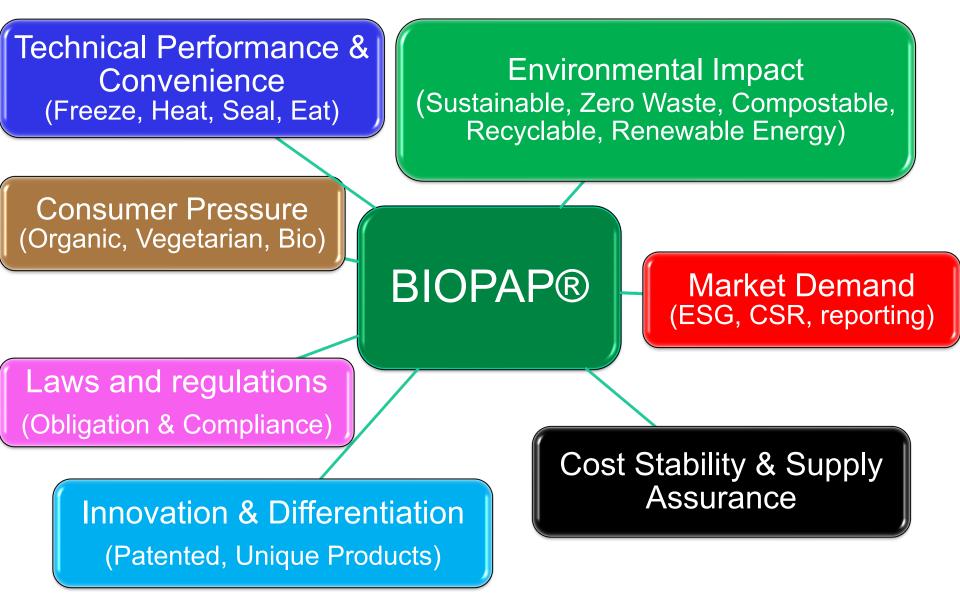




Why BIOPAP[®]?

- Performance: one container to freeze, chill, heat, regenerate, bake and eat
- **Circularity**: from sustainable raw materials to waste disposal becoming compost to fertilize land, a closed loop
- Compliance: new EU Rules ban greenwashing and forbids unverified claims
- Environmental Friendly: no plastic, PLA, PE, PFAS, only cellulose
- **Assurance**: multiple certifications from sourcing to final disposal
- Innovation: a range of unique, patented systems and products
- Consistency: containers, lids, sealing films, food wrap, all from cellulose
- Stand Out: easy identification, working with the best

Why **BIOPAP**®?



BIOPAP®:

Sustainable and Circular

- Raw materials sourced from renewable sources with PEFC certification
- Produced with low environmental impact: energy from own renewable sources, zero waste, zero CO2 emissions
- Fully recyclable, compostable and biodegradable
- High performance materials that can endure freezing, chilling, re-heating, and cooking without burning
- Better user experience: food maintains quality and container does not burn fingers
- Reduced clearing time: containers and food can be composted together
- No Greenwashing: truly sustainable and circular

Certified Supply Chain Security

- BIOPAP® products are made from cellulose sourced only from well managed certified European forests, ensuring both quality and compliance with the highest sustainability standards: food and environmental safety
- No risks of supply chain disruptions, thanks to low geopolitical risk, source independence: price stability in the medium to long term
- Sustainable non-food natural raw materials from pristine, low populated environments
- Natural growth only, non-agricultural raw materials, preserve biodiversity without artificial watering, fertilizers, or pesticides
- All raw materials are PEFC-certified from sustainably managed and renewable forests, and USDA bio-based certified







BIOPAP[®] benefits agriculture, fighting climate change and desertification

- Food containers can be disposed of with food residues and waste to COMPOST
- Through COMPOST they turn waste into a valuable resource
- Locally available to the Agriculture where it has been generated
- Use in agriculture replaces non-sustainable chemical fertilizers with both economic and environmental advantages
- Improves soil quality and water retention and prevents desertification





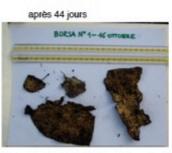
Certified compostable CIC label, OK compost Home and BPI



BARQUETTES BIOPAP® CERTIFICAT DE COMPOSTABILITE N° P1012 SELONS LES NORMES UNI-EN 13432:2002 Délivré parl l'Association Italienne des Composteurs







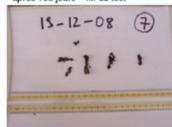
après 84 jours

25/11/08

31/10/08 - après 59 jours



après 108 jours - fin du test



BIOPAP®traysaredirectlycompostablewithfoodororganicwaste

Tests are regularly carried out in composting plants without humidity and temperature control





BIOPAP® LCA BENEFITS

- A recent LCA study made by InnovHub on BIOPAP LC catering containers has shown a reduction of 2/3 of the CO2 emissions compared to PP catering trays.
- The replacement of the PP tray with the new BIOPAP® LC tray solution will allow a saving of 46,6 KgCO2 emissions per 1.000 units. Considering an annual distribution of 40.000.000 units the saving would correspond to 1.864.000 KgCO2/year. As far as CO2 emissions are concerned, this value corresponds approximately to the average CO2 emissions of 287 Italian person/year or 239 EU persons/year (Italian average: 6.500 KgCO2 per capita, EU27 average 7.800 KgCO2 per capita]), respectively, or those of 1000 average new passenger cars/year[]] (assuming a distance of 15.000 km/year).
- If we took into consideration the average absorption of a forest in a year, it would be possible to calculate the necessary surface that would be needed to absorb the CO₂ saved (about 1.864 tons). Starting from REGES data which indicates that one hectare of fir or larch forest is capable of fixing 24 t of CO₂ in a year, it appears that a surface area of 78 ha would be needed to absorb the carbon dioxide avoided with the use of BIOPAP® LC tray. This area can be compared to the total area of around 110 football pitches.





LIFE CYCLE ASSESSMENT OF BIOPAP® LC PAPER BASED TRAY

uthors: Chiara Cappelletti	
utiors: chiara cappelletti	
ommissioned by: BIOPAP SRL	
eport number: RPT-	
novhub.SSI srl. May 2023	
10080000 331 30 Way 2023	
Il Laboratorio si assume la responsabilità di tutte le informazioni contenute nel Rapporto di l I risultati si riferiscono esclusivamente al campione sottoposto a prova. Quando il campiona	
Laddove applicabile, il residuo del campione viene conservato per tre mesi dalla data di emi ammessa solo dopo autorizzazione scritta del Responsabile del Laboratorio.	ssione del Rapporto di Prova. La riproduzione parziale del presente Rapporto di Prova
Rapporto di Prova N°	Ba, 2 di



Compostable at home







UNI EN ISO 9001:2015

ISO 9001 Management System



COMMERCIALLY COMPOSTABLE ONLY. FACILITIES MAY NOT EXIST IN YOUR AREA. CERT #10529418

Industrial Composting





PEFC Renewable raw materials







Burn test approved

REPORT of the TEST of THERMAL RESISTANCE and COMBUSTION

"Burn Test"



USDA Biobased

Vegetarian



BIOPAP[®] Awards









BIOPAP[®] Packaging Solutions Patented Cellulose-Only Food Containers, Sealing Systems and Heat Sealing Machinery

1. Compostable, dual-ovenable catering trays for Ready Made Meals and Professional Catering

- 2. Easy System & Easy Catering
- 3. Hercules Food Tray (BDF, Cling Film)
- 4. Atlas Ovenable Casserole
- **5. MAP Modified Atmosphere Trays**
- 6. Genius Meal Tray
- 7. Food Wrap







BIOPAP® Food Containers and Packaging Solutions

Compostable & Dual-Ovenable catering trays for Ready Made Meals and Professional Catering





High Performance, Sustainable



HIGH PERFORMANCE PATENTED INNOVATION

• Our trays are a unique product made of BIOPAP® LC, a cellulose based patented material. Designed for high-performance food packaging, suitable to be used from freezer to oven, they are completely biodegradable et compostable according to EN 13432:2002.

CONTRIBUTE TO SUSTAINABLE DEVELOPMENT

 BIOPAP® trays are mono-material and totally environmental-friendly. They are produced according to the highest standards of environmental compatibility. They do not contain chlorinated or fluorinated compounds, nor heavy metals or waxes. Our raw materials come from certified sustainable European forests preserving bio-diversity, non-intensive and non-food renewable sources





BIOPAP® Unique Performances



BIOPAP® trays are perfectly grease- and moisture-resistant without spots or leakage

EXTREME TEMPERATURES RANGE

BIOPAP® trays can be used in all catering conditions. They can stand a range of temperatures between -90° C to + 185° C (-90° C to +215° C LP).

• LIQUID-PROOF SEALING

BIOPAP® are heat sealable with transparent films or with hard BIOPAP® cardboard lids. Sealing is liquid-proof.







Ideal Applications: Schools, Hospitals, Healthcare, Corporate Catering, Fresh and Frozen Ready-Made Meals

Warm Delivery:

Hot filling at 92° $\,$ C \rightarrow Top Seal \rightarrow Warm delivery

Cook & Chill:

Warm or Cold filling \rightarrow Top Seal blast Chiller + cold room storage 3 / 5° C \rightarrow Chilled distribution 3 /5° C \rightarrow reheating at 110° /145° C

Cook & Freeze:

Warm or Cold filling \rightarrow Top Seal \rightarrow fast freezing down to -90° C \rightarrow deep frozen storage -35 / 25° C \rightarrow Frozen distribution -25° C \rightarrow reheating/end of cooking at 135° /185° C









Lidding Options



EASY-OPEN heat-sealable hard lid



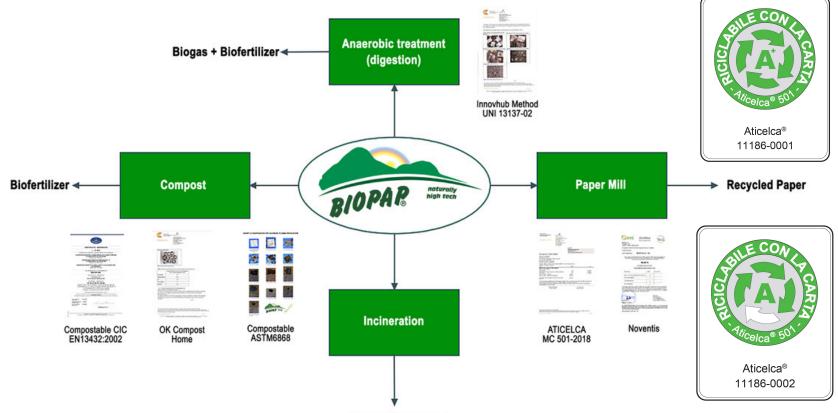


Clear Compostable and traditional films





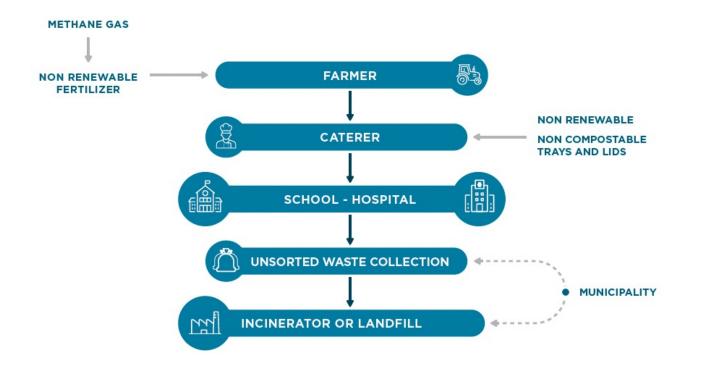
Complete and Certified End-of-Life



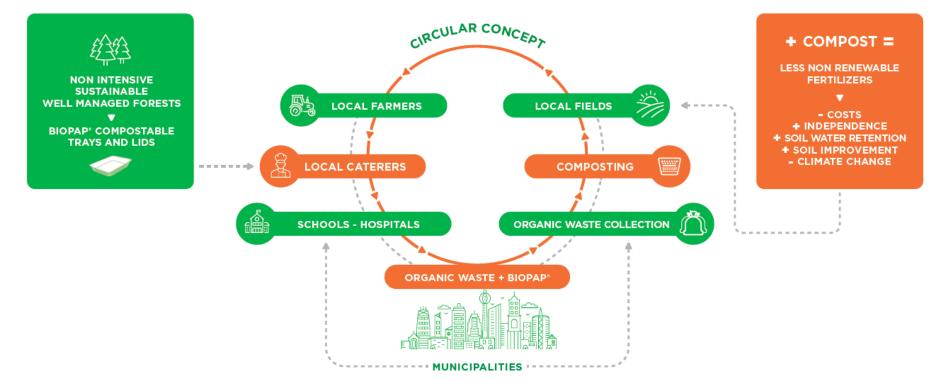
Renewable Energy

LINEAR MODEL WITHOUT BIOPAP®





BIOPAP® SUSTAINABLE CIRCULAR CONCEPT



LET'S TURN A WASTE INTO A VALUABLE, LOCAL, SUSTAINABLE, RESOURCE



	BIOPAP® TRAYS														
Quality	Short code	Complete code		am. (mm)	Height (mm)	Top in dii I x L / dia	am. (mm)	Bottom dir I x L / dia		Volume (cc)	Pieces per box	Pieces per pallet	N° boxes per pallet		NOTES
				·						cc					
LC	SI-08	PCTSI08000LC35019	111	161	26	92	142	57	107	290	1200	28800	24	On request - Min. 350000 pz	
LC	SI-07	PCTSI07000LC35019	111	161	36	92	142	54	104	410	800	19200	24		
LC	LM-04	PCTLM04000LC35019	128	145	50	108	125	80	96	455	320	15360	48		BIOPAP Easy System
LC	SI-17	PCTSI17000LC35019	147	170	45	129	152	97	119	595	600	14400	24		BIOPAP Easy System
LC	SI-15	PCTSI15000LC35019	143	229	30	128	214	101	187	650	880	21120	24	On request - Min. 300000 pz	
LC	SI-19	PCTSI19000LC39019	175	175	38	156	156	130	130	685	1000	18000	18		
LC	LM-05	PCTLM05000LC35019	145	203	50	125	183	97	157	865	500	12000	24		BIOPAP Easy System
LC	SI1	PCTSI.1000LC35019	153	218	48	135	200	107	172	990	520	12480	24		
LC	SI-16	PCTSI16000LC31019	190	247	37	176	233	70,5/106,5	153/153	441+654	780	12480	16		BIOPAP Easy Catering - Double comp. 1/3+2/3
LC	SI-21	PCTSI21000LC31019	190	247	37	176	233	88,5/88,5	153/153	545+545	780	12480	16		BIOPAP Easy Catering - Double comp. 1/2+1/2
LC	SI-14	PCTSI14000LC31019	190	247	37	176	233	154	211	1240	780	12480	16		BIOPAP Easy Catering
LC	SI-20	PCTSI20000LC31019	190	247	47	176	233	148	205	1545	600	9600	16		BIOPAP Easy Catering
LC	SI-11	PCTSI11000LC39019	260	320	50	242	302	218	278	3100	400	4800	12		
LC	SI-06	PCTSI06000LC39019	270	335	50	244	309	220	276	3150	260	3120	12		
LC	LB-04	PCTLB04000LC39019		185	60		170		127	1027	400	9600	24		Bowl
LP	SI-08	PCTSI08000365TRH	111	161	26	92	142	57	107	290	1200	28800	24		
LP	SI-07	PCTSI07000365TRH	111	161	36	92	142	54	104	410	800	19200	24		
LP	LM-03	PCTLM03000365TRH	128	145	50	108	124	60	72	410	800	19200	24		
LP	SI-05	PCTSI05000365TRH	143	165	45	125	147	77	97	625	750	18000	24		
LP	SI-15	PCTSI15000365TRH	143	229	30	128	214	101	187	650	800	19200	24		
LP	SI-04	PCTSI04000365TRH	175	175	38	156	158	103	108	680	960	17280	18		
LP	SI-12	PCTSI12000345CNH	161	175	40	161	175	127	129	700	480	15840	18		On request - Fruits and vegetables
LP	LM-01	PCTLM01000365TRH	148	205	50	125	178	55	110	800	800	14400	18		
LP	SI-14	PCTSI14000365TRH	190	247	37	176	233	154	211	1240	600	9600	16		
LP	LM-02	PCTLM02000365TRH	195	246	50	176	227	114	154	1500	600	9600	16		
LP	SI-20	PCTSI20000365TRH	190	247	47	176	233	148	205	1545	600	9600	16	On request - Min. 200000 pz	
LP	SI-11	PCTSI11000405TRH	260	320	50	242	302	218	278	3100	400	4800	12		
LP	LP-03	PCTLP03000345CNH		190	30		164		134	453	720	12960	18	On request - Min. 300000 pz	Eco plate



08/04/2022

Lower Total Costs while Benefitting the Environment

- → A lower total cost for the industry and for the municipalities (purchase cost + operational cost+ food waste reduction + waste management costs + environmental costs)
- → Full Compliance with UE Dir. 94/62 aiming at maximizing waste recycling
- → Full Compliance with upcoming EU regulations on "greenwashing": all characteristics are certified





Innovation that creates Innovation



















BIOPAP® Easy-System and Easy Catering

HYGIENIC AND PROFESSIONAL SOLUTION FOR FOOD DELIVERIES, TAKE AWAY, DELI COUNTERS AND CATERING

Patented





EASY SYSTEM and EASY CATERING Solutions for Convenience Food

Quick

Trays can be hermetically sealed in 2 seconds. Suitable for sealing more than 200 meals a day.

Hermetic and hygienic

Every tray is hermetically and hygienically sealed. Trays can be opened only from end users. Hygiene is guaranteed during transport and food delivery.

Practical and versatile

Biopap® trays can be re-heated in every type of oven (traditional and microwave) and stored in freezer and fridge. They can be easily used as a dish for ready use reducing waste and washing.

Sustainable and easy to dispose of

Obtained from renewable sources. Biopap® is fully compostable, so it can be easily disposed of in organic waste. (CIC EN 13432 certified)

Our trays are recyclable (A class Aticelca MC 501/2017 certified) and if recycled, it should be rinsed.







BIOPAP EASY SYSTEM®: One Mould – Three Containers

BIOPAR naturally high tech

3 compostable BIOPAP® LC trays satisfying all needs

- 455 ml for side dishes, casseroles, fruit salads, desserts ...
- 595 ml for a classic main course
- 865 ml for a classic main course

Semi-automatic Heat-sealing machine

- Safety guarantee: No risk of burn or abrasion
- Easy-use: Just push in and pull out the drawer. The sealer will do the rest.
- Fast sealing cycle and and cut
- Precise: Sealing time and temperature are digitally set

Modular mould: fast and precise (3 positions)

- Fast change at tray size and model
- 3 Biopap® trays in different sizes can be sealed with one modular mould

Compostable transparent sealing film

- One single reel serves 3 tray sizes
- Simple reel change





BIOPAP® Easy System



Safe system, .174 practical and versatile TCCINI D Compostable transparent sealing bio film Modular mould: fast and precise (3 positions) Semi-automatic heat-sealing machine 3 biodegradable and compostable **BIOPAP® LC trays**

High resistance to grease and moisture and to extreme temperature range -80° C / +175°C

Printable for max communication

Renewable certified raw materials

Suitable for traditional and microwave oven

Ecological production, eco-responsible choice

Recyclable in the paper stream

Made in Italy

BIOPAP® Easy System





Lid

LM03CT (149 x 166 mm) LM04LC

 SI17CT
 (169 x 189 mm)
 SI17LC

 LM05CT
 (165 x 224 mm)
 LM05LC

Tray

PSITSS101R

Depth : 390 mm

Width: 240 mm

Height : 500 mm

Weight: 20 kg

Max dim. container : 150x205xh100

EASY-CATERING[®]: All for One and One for All

1 Sealing frame, 4 compostable BIOPAP® Trays to cover all catering needs for complete meal solutions

- Compostable, Biodegradable, Recyclable
- All Trays have the same outer size: 190x247 mm
- 4 different filling options for meals
- One compartment 1240 ml
- Double compartment 545+545 ml
- One deep compartment 1545 ml

Can be top sealed with desktop electric or pneumatic heat-sealing machine, professional pneumatic, hydraulic or servo automated sealing lines

All catering service scales are possible

Easy-Catering trays can be:

- Deep frozen down to -80° C in liquid nitrogen tunnels without becoming brittle
- Stored from -35° C to +5° C
- Re-heated or baked up to +175° C in traditional or microwave oven







BIOPAP® Easy Catering

RESET

WARNING

TSS102-R

JAACC



Safe system, _____ practical and versatile

Compostable transparent sealing bio film

Fast and precise sealing frame for 4 containers

BIOPAP® LC biodegradable and compostable trays 2 single-compartment 2 double-compartments High resistance to grease, — moisture and to extreme temperatures -80° C / +175°C

Printable for max communication

Renewable certified raw materials

Environmental-friendly production, eco-responsible choice

Recyclable in the paper stream

Made in Italy

Suitable for traditional and microwave oven

BIOPAP® Easy Catering





Widht: 295 mm

Height: 555 mm

Weight: 25 kg

Max tray size: 195x260xh155

іх					-
	SI14LC	SI2OLC	SI16LC	SI21LC	
<u> </u>	190 x 247	190 x 247	190 x 247	190 x 247	
	1 37	1 47	1 37	1 37	PBBIO2156253002P
4102RFIXX1C	<u>mi</u> 1240	ml 1545	<u>∎</u> 441 + 654	<u></u> 545 + 545	film for heat sealing 215 mm x 625 mtl

It is also possible to use with the same semi-automatic heat-sealing machine **BIOPAP®** EASY-SYSTEM

LMO4LC SI17LC LMO5LC 128 × 145 145 × 174 145 x 203 PBBI01606253002P **1** 50 1-45 **1**50 film for PSTMOD1102R1 _____ 595 **]** ml **/** 865 heat sealing **1 ml** 450 160 mm x 625 mtl And also the bowl

FIX LB04LC 185 PBBIO2156253002P **60** film for heat sealing 1027 215 mm x 625 mtl

Cartonboard lids EASY-CLIP						
	1 <	The state				
Lid		Tray				
LM03CT	(149 x 166 mm)	LM04LC				
SI17CT	(169 x 189 mm)	SI17LC				
LM05CT	(165 x 224 mm)	LM05LC				
SI14CT	(215 x 265 mm)	SI14LC				
SI14CT	(215 x 265 mm)	SI16LC				
SI14CT	(215 x 265 mm)	SI2OLC				

SI14CT (215 x 265 mm) SI21LC



BIOPAP® HERCULES PATENTED High stiffness, low weight, Compostable & Dual-Ovenable food tray for BDF® and Clingfilm wrapping applications

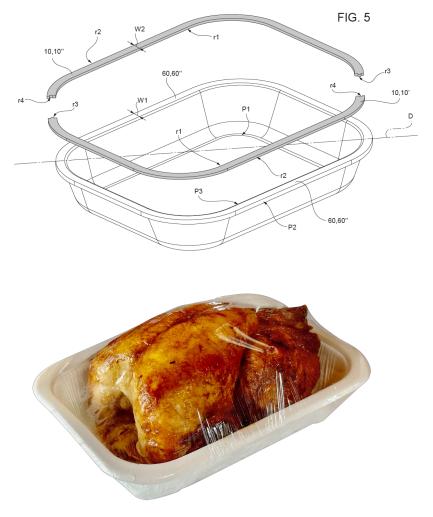




Patented Innovation with Top Performances



- BIOPAP® HERCULES trays are unique, mono-material, made of cellulose, with extreme temperature resistance
- Suitable for use from freezer to the oven (-80° C to +175° C)
- Fully biodegradable, compostable and recyclable
- BIOPAP® HERCULES feature the highest torsion resistance and lateral compressive resistance in both moisty and hot conditions though remaining light and minimizing material use
- The innovative patented system allows a material saving of 70% compared to existing reinforced versions





Suitable for BDF[®] and automated cling filming Patented reinforced tray BIOPAP® HERCULES

> Extreme resistance -80°c +175°c

Printable for max communication

Renewable certified raw materials

Extra stiffness though minimizing material use

> Biodegradable & Compostable

Recyclable in the paper stream







Multi-function compostable tray: the best choice for retail in-store food and fruit&vegetables processing and packaging

- One container for all applications
 -> easy stock management
- Suitable for BDF®, extending shelf-life through modified atmosphere
 - -> Reduced in-store food waste and naturally extends shelf life
- Suitable for automated and manual cling-filing ->Quick, Simple, Hygienic
- Suitable for horizontal flow-packing system

 >Improves hygiene and reduces food waste from
 handling







BIOPAP® MAP Innovative Renewable Compostable & Dual-Ovenable MAP food trays



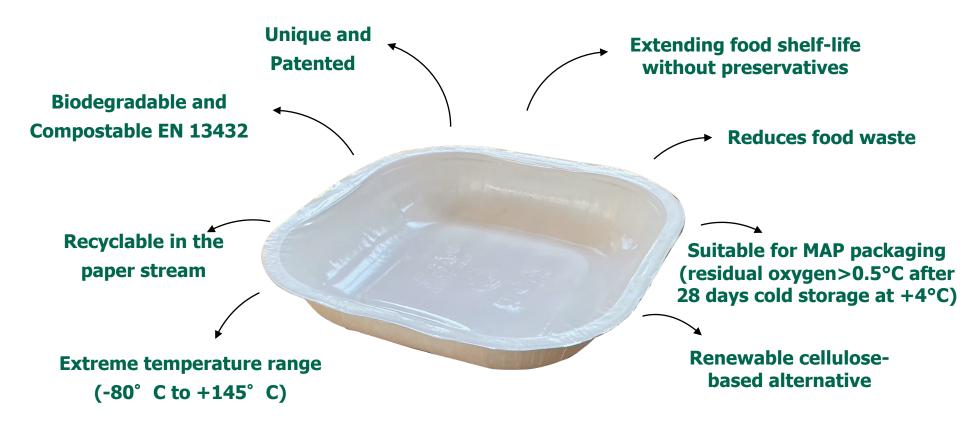


BIOPAP[®] MAP: High Performance, Patented Innovation



Years of intensive research and development made possible this unique, patented innovation

- BIOPAP® MAP trays, offer PATENTED cellulose based containers for Modified Atmosphere Packaging to the food industry
- The innovation is the result **of both material and converting technology innovation:** Oxygen barrier material & absolute flat rims ensures perfect and oxygen tight sealing



BIOPAP MAP®



• SUITABLE FOR MAP PACKAGING

BIOPAP® MAP trays ensure **Oxygen residue < 0.8% after 28 days at +4° C** Heat-sealable with compostable film Oxygen Barrier at 23° C 0% RH ≤1 cc/m2 24h Vapor Barrier at 38° C 90% RH ≤20 g/m2 24h

• EXTREME TEMPERATURE RANGE

BIOPAP® MAP trays are ideal for all catering and ready-made meals preparations They can stand a **temperature range from -80° C to +145° C**

IDEAL COMMUNICATION

BIOPAP® MAP trays are **printable on the outer surface**: production, presentation packaging and marketing tool directly on the consumer table

NATURAL END OF LIFE

BIOPAP® Map trays are directly **compostable** with food residues and organic waste







3 APPLICATION FAMILIES

School, hospital, food catering



BIOPAP® MAP 01

Ham cuts, meat & fish slices

BIOPAP® MAP 02 With rolled edge for maximum stiffness



Traiteur, Ready Made meals

BIOPAP® MAP 03 With rolled edge for maximum stiffness



Ideal applications •Ready Made meals •School catering •Hospital catering •Business catering •Cured and fresh proteins

		imensions am. (mm) ▲	Height (mm)	Volume (cc)
BIOPAP® MAP 01	176	180	32	602
BIOPAP® MAP 02	227	264	18,5	
BIOPAP® MAP 03	171	225	35	795



BIOPAP® ATLAS

Compostable & Dual-Ovenable Catering trays for Airlines







Reduced time for clearing No sorting needed

BIOPAP® ATLAS

Doesn't burn when re-heated

High Performance for frozen-chilled-cooked food

Compostable, Recyclable, Renewable, Biobased, Vegetarian

The New and Innovative Hot Meal Casserole for Airline Catering

Sustainable raw materials and production

100% Natural Made in Italy Easy to adopt – standard size

Food & Container go in the same waste

No plastic, No PFAS, No Co2, No Waste

The New BIOPAP® ATLAS Ovenable Casserole



- Designed to be used with existing <u>automatic</u> foil crimping
- Designed to be used with existing <u>manual</u> Aluminium crimping lids



100% Made in Italy







Printable for max communication

Easy and safe handling

Extra stiff construction

Cellulose-based food container

Extreme temperature resistance -80° C / +185° C

Renewable certified raw material

Biodegradable & Compostable

Resistance to grease and moisture

Recyclable in the paper stream





BIOPAP[®] ATLAS



New and innovative hot meal casserole for Airline catering Extra stiffness Compostable Renewable

The New BIOPAP® ATLAS Ovenable Casserole High performance for freezing – thawing – chilling - reheating

	Top out dimensions		Height	Volume
	I x L / diam. (mm)		(mm)	(cc)
BIOPAP® ATLAS	103	171	37	398

No sorting needed: casserole and food go all in the same bin for composting

Adopted by Condor 🐨



Condor upgrades its short- and mediumhaul cabin product



July 6, 2023 - Reducing plastic on board: On short-haul medium-haul routes, Condor will serve its meals in Business Class on porcelain plates and with metal cutlery from July. Economy Class guests will be served their meals in bowls made of organic cardboard. In this way, Germany's most popular leisure airline is further enhancing the product experience and reducing the consumption of disposable products.

Business Class guests can expect an English breakfast or for example a Thai red curry, depending on departure time and route. In Economy Class, delicious Taste the World dishes can be pre-ordered up to 24 hours before departure, for example organic Italian pasta bolognese.

Travel with Condor can be booked with all German tour operators and at travel agencies, and flight tickets are available as usual at<u>https://www.condor.com/eu</u>and by phone.

Biopap® SI-19



The revolutionary self-supporting meal tray system to efficiently prepare and deliver meals in health care facilities, hospitals and canteens

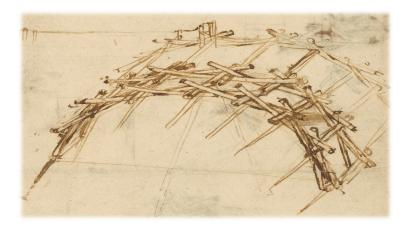
BIOPAP GENIUS MEAL TRAY®





BIOPAP GENIUS Meal Tray®

- The heart of GENIUS is the self-supporting, lightweight structure with separated, sealed food compartments
- GENIUS can withstand extreme temperatures from freezing to heating – is made of renewable raw materials and is fully compostable
- Eliminates the heavy tray for meal transportation and service, and the need to wash it after use
- Hygienic: the food is sealed with an easy-open heat-sealed lid, separated for each course.





BIOPAP GENIUS Meal Tray® FLOW (1/3)

- Streamline the operation in food preparation with light yet stiff meal tray that can be directly filled with the courses and sealed in the central kitchen
- Operating with Cook & Chill or Cook & Freeze process with optimal working time and process flow



BIOPAP GENIUS Meal Tray® FLOW (2/3)

- GENIUS is directly blast chilled, stored and then picked according to demand, reducing food waste.
- Picked GENIUS Meal trays are filled in insulated shuttles for chilled transport to the health care facility
- Being Heat and Cold resistant, it is directly placed into double flow reheating trolleys for docking and reheating with full time remote control
- Shuttle trolleys with GENIUS Trays are picked-up by care personnel: right time, right place, correct temperature
- Delivery to patients, with separate hot and cold sections





BIOPAP GENIUS Meal Tray® FLOW (3/3)

- Patients can open each meal course separately as desired
- After service, GENIUS is collected, stacked and disposed with food rests into bio-waste without separation
- Shuttle trolleys remain clean
- No more tray washing
- No energy, detergent, water and time consumption
- Bio-waste in turned into Biogas and compost to be used by local agriculture





BIOPAP GENIUS Meal Tray®

SAVING IN FOOD PREPARATION

- Cook&Chill optimizes working time and reduces food waste
- No more need for satellite kitchens (free space can be used for additional diagnostics & care)
- Only the necessary food is produced (unlike Cook&Serve)
- Storage of meals is also possible for later use

SAVING IN SERVICE

- Less time spent serving food to users
- Consistent food quality thanks to trolley at correct temperature
- 100% hygienic conditions of food from cooking to eating
- Easier and faster collection at the end of service/meal
- No need to wash tray/dishes or separate food from plates
- Saves time, water, energy and dishwashing products

SAVING IN DISPOSAL

- Immediate disposal of the entire tray and food rest in one movement
- Fully compostable: meal tray and food rest go in local composting facilities to produce fertilizers and improve soil performance fighting climate change & desertification



BIOPAP® FOOD WRAP *Innovative, Sealable, Renewable*

Compostable (EN13432), Recylable, Biodegradable over-the-counter Food Wrapping Paper



BIOPAP® Food Wrap: over-the-counter paper for wrapping and conserving foods

- COMPOSTABLE
- RECYCLABLE
- BIODEGRADABLE







TECHNOLOGICALLY INNOVATIVE

BIOPAP® WRAP:

- Heat Sealable
- Resistant to fats and moisture
- Biodegradable, recyclable, and compostable
- Suitable for printing on the outer surface
- Free from plastic lining



BIOPAP® Food Wrap: Available Formats

BIOPAP® WRAP is available in dispenser box

- Two sheet sizes
- cm25x35 (2.000sheets/box)
- cm35x50 (1.000sheets/box)



BIOPAP®

We work with...



Food producers/Food processors



FILETTO di BRANZINO alla REGINA

SENZA GLUTINA

E AULE HITTORI DI SAPIDITA

SENZA

SENZA ARONI

lmon chi

con patate grigliate ed olio extra-vergine d'oliva SURGELATO

1 PORZIONE

250 g 🖯



ē

Frozen ready-made meals, microwavable container fully compostable

INSIEME PER L'AMBIENTE

Segui le indicazioni del tuo comune per una corretta raccolta differenziata



Certificato PEFC Questo prodotto è realizzato con materia prima da foreste gestite in maniera sostenibile e da fonti controllate www.pefc.it PEFC/18-32-37/06

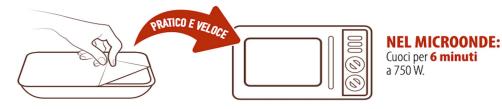




Netto 220a

MODALITÀ DI PREPARAZIONE

Da consumarsi previa cottura. Non è necessario scongelare il prodotto. TOGLI L'INVOLUCRO DI CARTONE ESTERNO ED INSERISCI LA VASCHETTA, SOLLEVANDO IN PARTE LA PELLICOLA TRASPARENTE, NEL MICROONDE O NEL FORNO.





NEL FORNO TRADIZIONALE: Cuoci per circa 15 minuti sulla griglia centrale del forno preriscaldato a 180° C. Non utilizzare forno a gas né modalità "grill".



IN PADELLA: Disponi il contenuto della vaschetta in una padella antiaderente, rigirando a metà cottura. Aggiungi eventualmente un po' d'acqua. Cuoci per circa **7 minuti**.

Attenzione: potresti dover adequare il tempo di cottura in base alle prestazioni del tuo forno.

ESSELUNGA ESSELUNGA ITALY



- The most profitable supermarket chain in Europe: Esselunga needs no introduction
- They have chosen BIOPAP® Easy System for their *laESSE* label of points of sale (delicatessen/gastronomy)
- Over 50 TSS01 heat sealing machines installed to seal and sell products on-site
- Esselunga convinced to use BIOPAP® trays and sealing systems thanks to true sustainability, ease of use, and technical performance







ROSTICCERIA CALDA FATTO PER VOI COME A CASA









biocop BIOCOOP FRANCE



- BIOCOOP is the most important French organic foods retailer: 765 points of sale throughout France
- In-store food preparation for sale of heat-sealed products directly on point of sale
- Customized leaflet to promote and explain choice and use of compostable food containers
- Wide use for packaging/sealing on the spot



















GEFSINUS GREECE



- High-end food service and delicatessen gastronomic chain
- Easy System sealing systems used in store for high quality ready-made food served on site
- Food is chosen directly by the customer from the counter and sealed for take away and home consumption
- Re heating/cooking and eating can use the same container, thanks to BIOPAP's trays and containers





TROPIC TROPIC BOSNIA-HERZEGOVINA



- N°1 Quality Retail Chain in Bosnia Herzegovina
- 80 stores, 3 brands (Tropic, MoiMarket, Crvena Jabuka)













WHOLE FOODS

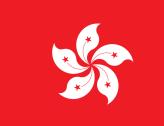


Whole Foods Markets has more than 500 retail and non-retail locations in the USA, Canada and UK





cty'super city super



 City Super is a Hong Kong retail chain with stores in mainland China and other countries









































We sell to:









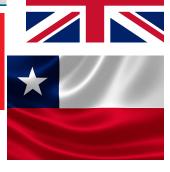




















OUR PARTNERSHIPS

G. MONDINI PA **TECHPA** MACHINERY **Packaging Machines**

Thank You for Your Attention!



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