

HoliMaker

MANUAL INJECTION MOLDING MACHINE
CE MARKING

Prototyping

Small series

Recycling

Catalogue

10/2021

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Use case : Production of small series

Production of small series

- Productive: One finished part a minute*
 - Qualitative: Finishing touches and mechanical holding close to industrial plastic injection
 - Economical: HoliPress is at least 10 times cheaper than an entry-level industrial plastic injection press
 - Evolutive: Adapt HoliPress according to your needs thanks to our modular system
 - Easy to use
- *Production with an E.S.A.T of technical pieces injected with polypropylene in an aluminium factory mould

Prototyping

- Fast: At least 20 times faster than 3D FDM printing
- Economical: Significantly less expensive than 3D SLA printing
- Qualitative: Finishing touches and mechanical holding similar to industrial plastic injection
- Flexible: Usable in your prototyping ecosystem through the manufacturing of 3D-printed moulds, laser cutting, CNC...
- Circular: Possible to use your 3D printed wastes or set parts thanks to the manual grinder HoliShred • Iterative conception of your prototypes made easy and simple

Education and training

- Economical: Significantly less costly than investing in traditional material injection
- Easy to use
- Easy to understand

HoliPressV1.3: Introduction



HoliPress is an innovative tool allowing to melt plastic materials and inject them in moulds with manual force.

HoliPress aims at manufacturing small parts (16cm³ maximum) in small sets (up to about 500).

HoliPress is the first tool of the HoliMaker range.

HoliPress V1.3 users:

- innovation services of industry leaders and Small and Medium size Businesses
- FabLabs and Makerspaces
- Education and training fields

HoliPress V1.3 : Caractéristiques techniques

- Dimensions of the assembled machine: 160 mm (W) x 540 mm (L) x 410 mm (H)
- Adjustable height under tube: from 0 to 190mm in standard version (possibility to get a higher one)
- Diameter of the injection orifice: 3mm in standard version (other diameters available)
- Production pace: from 15 to 180 pieces an hour depending on the volume to inject and type of thermoplastic and moulds used.
- Operating temperature : up to 300°C
- Diameter of the piston : 16 mm
- Injection volume : 16 cm³
- Power : 400 W - 220 V
- Weight of the HoliPress V1.3 alone : 11 Kg
- CE marking

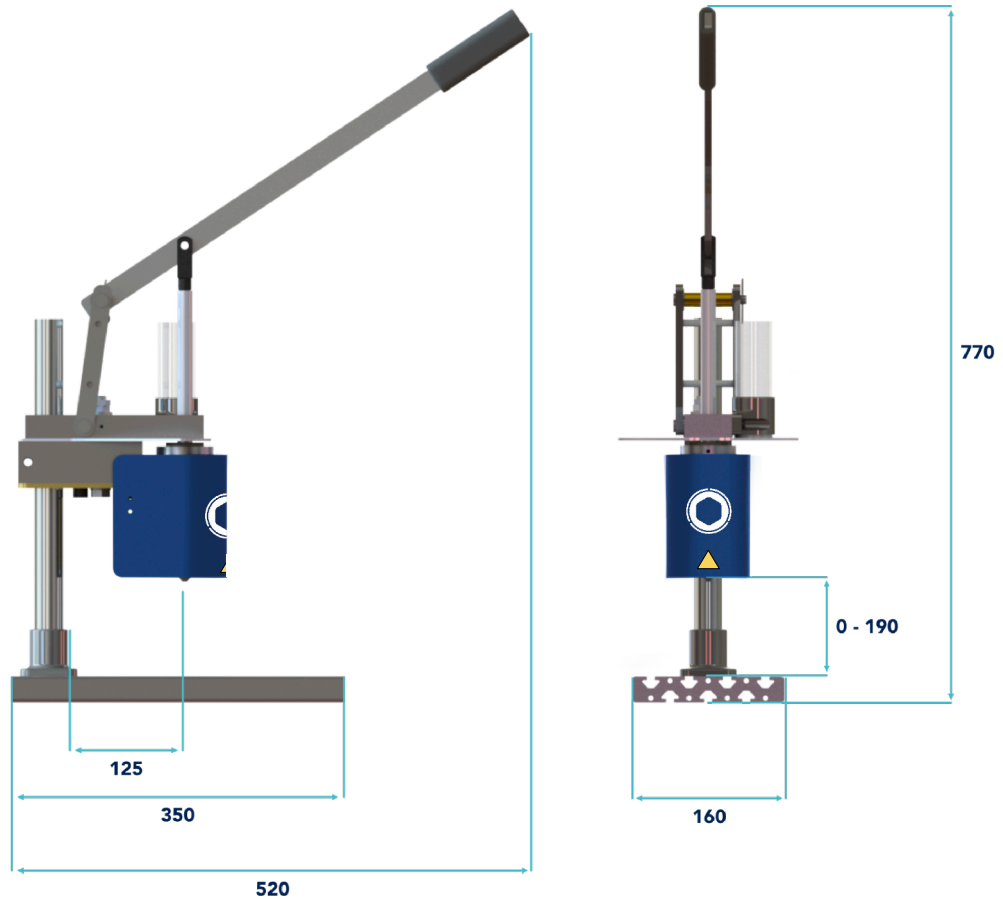


Table of compatible polymers*

| | | | | |
|------|---------|-----|------|------|
| PEHD | PEBD | PP | PLA | PS |
| PA | TPU/TPE | POM | HIPS | SEBS |

*Non-exhaustive list. Materials tested in our laboratories. Subject to sufficient MFI index (fluidity). Don't hesitate to contact us to know more about the compatibility with other materials.

Starter - Pack HoliPress V1.3

Reference

Designation

Product description

VAT Price

Pack HoliPress V1.3

- HoliPress V1.3
- Temperature management controls
- Simple vice of bridling
- 1 anti-leaking duct + purge block
- 1 mould for testing
- 1 bag of granules for testing
- Cleaning and maintenance accessories

2 580 €

MADE IN FRANCE



HoliShred

Reference

Designation

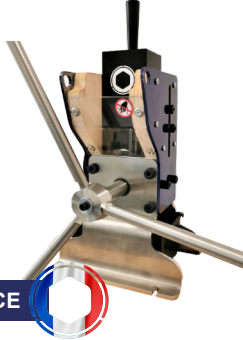
HoliShred

Product description

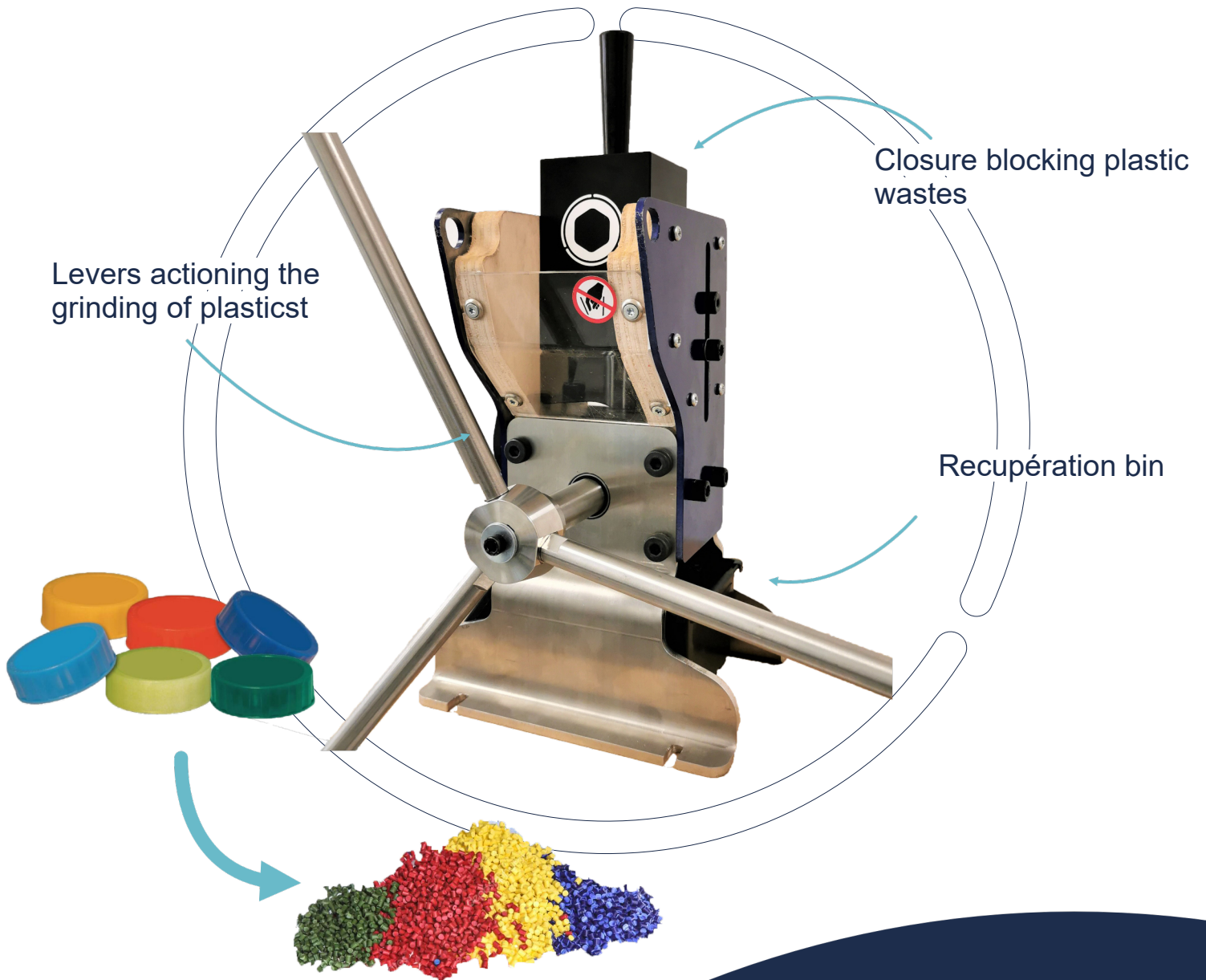
Manual grinder composed of a protection Carter and a filling chamber. The HoliShred enables to grind soft plastics such as PP or PEHD, as well as 3D-printed wastes filled up at less than 30%.

VAT price

780 €



FABRIQUÉE EN FRANCE



LA FABRICATION DES MOULES

The flexibility of HoliPress enables the use of a wide variety of mould manufacturing technologies.

MACHINING : INDUSTRIAL QUALITY MOLDS

- The manufacturing of plastic injection moulds is generally produced via machining with the help of a numeric controlled machine on either aluminium or steel.
- Thanks to this technique, it is possible to achieve high-scale injection going up to 5000 parts injected via machined moulds.



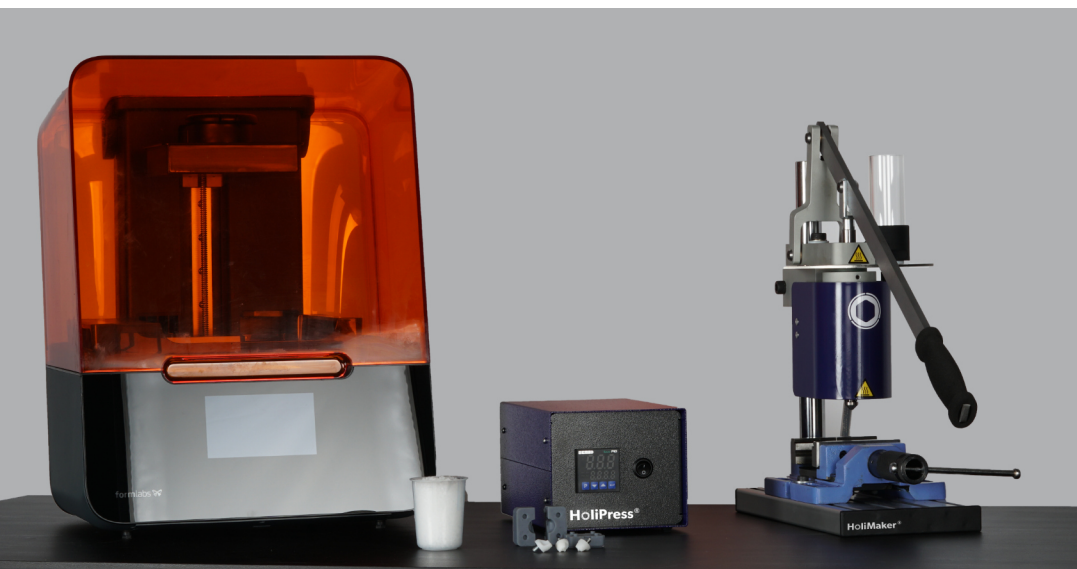
LASER CUTTING : INSTRUCTIVE AND FUN

- Thanks to the popularity of FabLabs, it is now possible to easily access professional production tools at reduced costs such as a laser-cutting machine.
- Thanks to this machine, it is now possible to manufacture fun and transparent moulds with Plexiglas allowing to see the plastic flowing. Those cheaper moulds enable to make fun and recreational objects.



3D-PRINTING : MOLDS FOR PROTOTYPING AND SMALL SERIES

- Thanks to the democratisation of 3D printers and the development of new material impression techniques, it is now possible to make 3D-printed moulds for plastic injection.
- Thanks to this technique, it is now possible to make small sets going up to 100 injected via printed moulds made of Rigid 10k Formlabs resin. They can also be used to do some prototyping directly in the desired final material.



HoliMaker

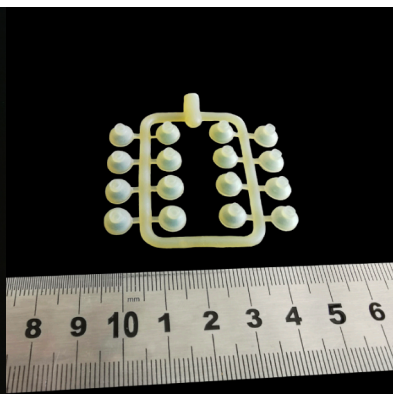
&

formlabs

Models



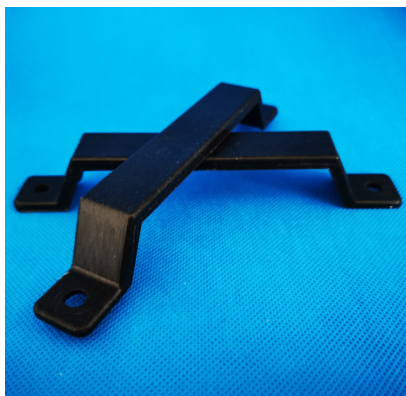
COVID-19 headband PP



Technical flexible parts TPU

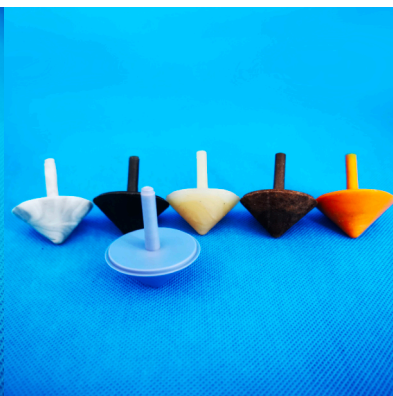


Restriction parts PP

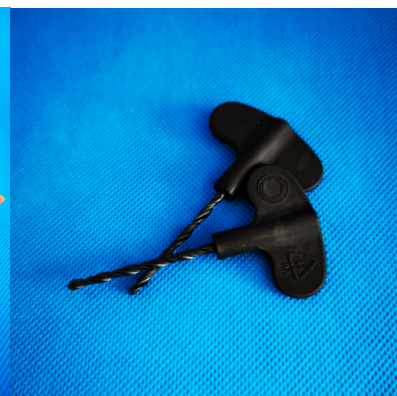


Kitchen drawer handles

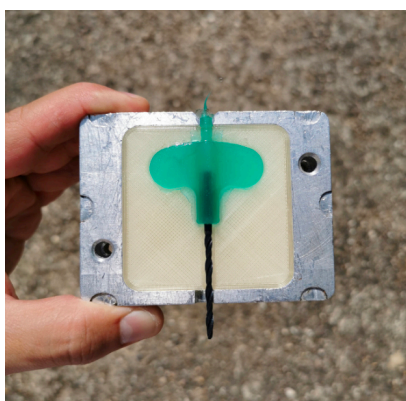
PP



Spinning TOP



Over-molding PP



PLA Injection / Mold



PÂTE FIMO Mold



Glasses PEHD

Complimentary modules

| References | Designation | Product description | VAT price |
|------------|--|--|------------|
| HP | Nozzle anti-leak + purge block  | Enables to block the injection when the device is not in contact with the mould in order to compress the melted polymer and to use fluid materials. | 280.00 € |
| HPC02 | Molds reinforcement  | Aluminium reinforcements enabling to maintain and reinforce the 3D-printed moulds (SLA, DLP, FDM ...) Maximum dimensions of the moulds: 100 x 60 x 40 | 350.00 € |
| HPC03 |  | Aluminium reinforcements allowing to maintain and reinforce the 3D-printed moulds (SLA, DLP, FDM ...) Maximum dimensions of the moulds: 60x 60 x 30 | 120.00 € |
| HPC04 | Fumes filtering system  | The system is composed of a hoover and a specific filter for gas particules and processes. The system also comprises a flexible arm and a captation vice | 1 250.00 € |
| HPC07 | 20-liter oven  | Enables to dry off the plastic granules - 20l capacity - temperature control system via micro-processor - motorised hot-air flow - auto-adjustable PID | 1 057.00 € |

Complimentary modules

| References | Designation | Product description | VAT price |
|------------|---------------------------------------|--|-----------|
| HPA07 | Spinning-top personalised mold | Machined aluminium mould enabling the injection of spinning-top with personalised text | 180.00 € |



| References | Designation | Product description | VAT price |
|------------|--------------------------------------|---|-----------|
| HPC05 | Thermal regulation for machined mold | Composed of temperature management controls, heating-waterproof cartridge of 220 V and a water-cooling system | 1 500.00€ |



| References | Designation | Product description | VAT price |
|------------|---|--|-----------|
| HPC05 | Pre-heating system for injection mould | Composed of thermal regulation controls enabling to power up to 2 heating cartridges of 24V-65W (included) | 380.00€ |



| References | Designation | Product description | VAT price |
|------------|-----------------|--|-----------|
| HD | HoliDesk | Workbench for the use of the HoliPress, used, to store accessories and complementary modules | 990.00€ |



Accessories

| References | Designation | Product description | VAT price |
|------------|-------------------------------|---|-----------|
| HPA04 | Pair of thermal gloves | Coated with nitrile on a para-aramides fibre-based support. Size 7 or 9 | 25.00 € |



| References | Designation | Product description | VAT price |
|------------|---------------------|--|-----------|
| HPA06 | Bottle brush | Made of twisted steel and brass fibres | 20 .00€ |

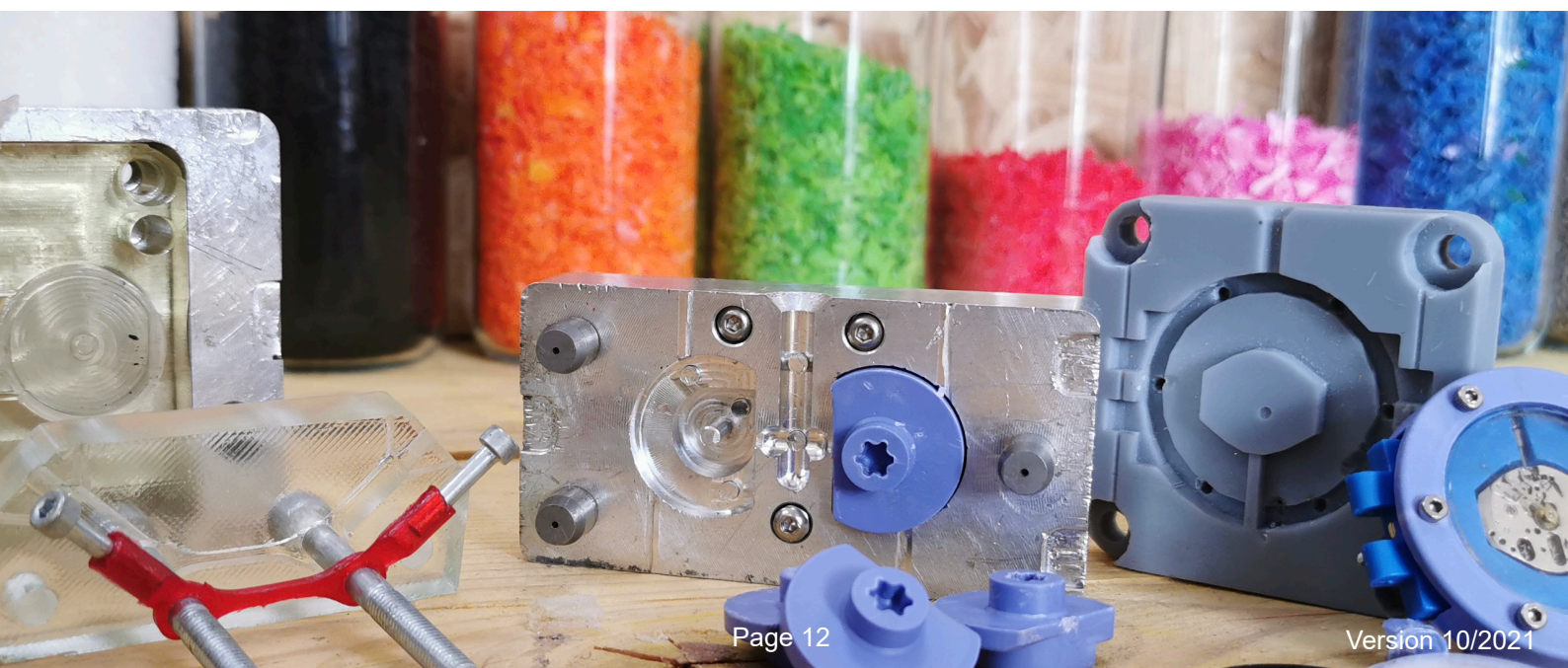


| References | Designation | Product description | VAT price |
|------------|---------------------------|---|-----------|
| HPA09 | Protection glasses | Protection glasses to wear while using HoliMaker products | 8 .00€ |



Matériaux

| References | Designation | Product description | VAT price |
|------------|---|--|-----------|
| HPC021 | Dietary PP granule 0,5 kg | ISPLEN BP180 G2M PolyPropylene granules, suitable to dietary contact Natural white | 9.50 € |
| References | Designation | Product description | VAT price |
| HPC022 | Regenerated PP granule 0,5 kg | Black PolyPropylene regenerated granules  | 7.00 € |
| References | Designation | Product description | VAT price |
| HPC023 | POM granule 0,5 kg | Natural white Ultra Poly POM 9 granules | 14.50 € |
| References | Designation | Product description | VAT price |
| HPC024 | PA6 granule - 15% loaded FV 0,5 kg | PA6 DOMAMID 6G15 Naturel granules | 14.50 € |
| References | Designation | Product description | VAT price |
| HPC025 | SEBS granule - Shore - 45A 0,5 kg | SEBS Flexible SHORE 45A granules Ensoft SO-161-45A White | 12.50 € |
| References | Designation | Product description | VAT price |
| HPC026 | SEBS granule - Shore - 90A 0,5 kg | SEBS Flexible SHORE 90 granule with industrial recycled material Ensoft SO-161-90A Black and white  | 12.50 € |
| References | Designation | Product description | VAT price |
| HPC020 | Selection of discovery granules | 4X 0,5 kg | 32.00 € |



Who are we?

HoliMaker is a startup located in the Great East region of France, on the Nancy-Metz axis. Our startup is implemented in the local industrial dynamic, particularly throughout our choice of subcontractor and partners.

We are currently working with research laboratories specialised in plastic processes, industrials, associations and public authorities to fully develop the potential of our products. We also rely on an environmental way of thinking that both our eco-conception practice and industrial design agency provide us.

The HoliMaker team is composed of various backgrounds: the plastic industry field, education and training and the Fablabs universe. This synergy allows us to conceive products meeting the highest standards in those three fields.

Your contacts at HoliMaker:



CEO

Aurélien Stoky



CMO

Vivien Salamone

*« HoliMaker's mission?
Enabling as many people as possible to easily use industrial protocols in order
to transform and recycle worn-out materials, especially plastic ones. »*

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