

HoliMaker

Plastic injection finally becomes accessible



HoliPress

*The perfect manual injection
moulding machine for your projects of :*

***Prototyping
Material testing
Recycling***

Made in France
CE certified

Made in France
CE Certified

Version 11/2024

Technical characteristics of HoliPress :

	HoliPress 16	HoliPress 38
> Piston diameter :	16 mm	18 mm
> Maximum injectable volume :	16 cm ³	38 cm ³
> Operating temperature :	Max 320°C	Max 320°C
> Injection pressure at the end of the piston :	50 à 100 bars	87 bars
> Closing of the moulds :	Vice / Screw / Clamp Hydraulic mould clamping system	Vice / Screw / Clamp Hydraulic mould clamping system
> Holding pressure :	Manual	Manual
> Injection speed :	2 to 10 seconds	2 to 10 seconds
> moulds thickness (min-max) :	10 to 200 mm	10 to 200 mm
> moulds materials :	Machined metals, SLA, FDM	Machined metals, SLA, FDM
> Adjustable nozzle height :	From 0 to 190 mm	De From 0 to 190 mm
> Production rate :	From 15 to 180 piece/h	From 15 à 180 piece/h
> Electrical power :	400W – 220V	860W – 220V
> Type of thermal regulation :	PID	PID
> Weight of the basic pack :	28 kg	42 kg
> CE Certification :	Yes	Yes
> Warranty period :	12 months	12 months



HoliPress, the manual plastic injection moulding machine

> HoliPress allows you to realize your production of plastic parts by manual injection using industrial raw materials

> Produce high quality functional prototypes and small batch plastic parts in record time with HoliPress, our industrial grade manual plastic injection moulding machines.



HoliPress 38 Starter-Pack : Large volume injection moulding machine

Ref : HP38PACK

Content of the HoliPress 38 Starter-Pack

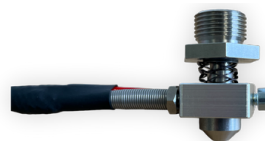
- > HoliPress 38
- > Triple output temperature control unit
- > Clamping vice
- > 1 heated 5 mm shut-off nozzle
- > Machined aluminium test mould
- > 1 bag of recycled black PP granules
- > 1 bag of food-grade natural PP granules
- > Cleaning and maintenance accessories
- > Individual protective equipment (1 pair of glasses + 1 pair of gloves)
- > Instruction manual



Temperature management box



Clamping vice



5 mm heated shut-off nozzle



Carabiner mould



Cleaning brush



Safety glasses



Pair of thermal gloves



Cutting pliers



Granules bags

HoliPress 16 Starter-Pack : produce your plastic injection parts independently

Ref : HPPACK

Content of the HoliPress 16 Starter-Pack

- > HoliPress 16
- > Temperature management box
- > Clamping vice
- > 3 mm shut-off nozzle + purge block
- > 3 mm standard nozzle
- > Machined aluminum spinner test mould
- > 1 bag of PP Black recycled granules
- > 1 bag of natural food grade PP granules
- > Cleaning and maintenance accessories
- > Individual protective equipment (1 pair of glasses + 1 pair of gloves)
- > Instruction manual



Temperature management box



Clamping vice



3 mm shut-off nozzle
3 mm standard nozzle
Purge block



Spinner test mould



Cleaning brush



Safety glasses



Pair of thermal gloves



Cutting pliers



Granules bags

HoliPress 16+ Starter-Pack: produce your plastic injection parts independently

Ref : HP16PACK+

HoliPress 16+

> The HoliPress 16+ is similar to the HoliPress 16 but with a little modifications as requested by our customers.

> A new ergonomic handle that is more comfortable and durable, and a turn-wheel knob attached to the column rack for easy adjustments of the nozzle's height



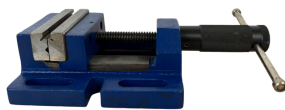
Turn-wheel Knob to easily adjust height column



Ergonomic handle



Temperature management box



Clamping vice



3 mm shut-off nozzle
3 mm standard nozzle
Purge block



Spinner test mould



Cleaning brush



Safety glasses



Pair of thermal gloves



Cutting pliers



Granules bags

Hydraulic mould clamping system

> This 2-column system is designed to clamp an injection mould for greater efficiency and faster handling. Thanks to its versatility, it can be used horizontally (for injection into the parting line) or vertically. (for injection into the parting line) or vertically (for injection into the mass).



Hydraulic clamp

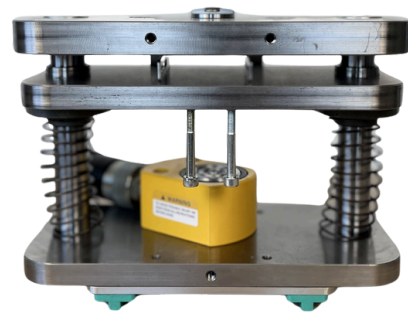
Ref: HPC014

> The system is sold without a pump or hydraulic connector, which are optional extras (HPC015). A system of compensating shims enables the mechanism to be adjusted to suit the thickness of the mould to be clamped.

> Adjustable guides enable the mould to be repositioned in the same place, so that injection operations can be carried out quickly. The system is suitable for both 3D printing moulds and machined machined moulds.

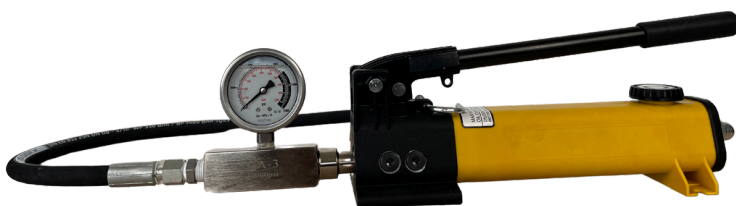
> It can be used on both HoliPress 16 and HoliPress 38.

> Maximum mould dimensions: 160x110x65 mm and 145x100x60 mm with guide elements.



Hydraulic pump

Ref: HPC015



> Hydraulic pump sold with pressure manometer and connectors

HoliShred: the manual plastic shredder made in France

Ref : HS

- > HoliShred is an innovative tool that allows to grind plastic materials in the form of flakes in order to insert them in the HoliPress.
- > HoliShred is equipped with a pusher to block the plastic waste and ensure safety by obstructing access to the blades needed for grinding.
- > HoliShred is also equipped with a collection tray for the shredded plastic flakes.
- > Finally, HoliShred is equipped with 3 sturdy levers that make it easy to shred plastic waste.



Rotating levers



Plastic flakes



Parts made from recycled plastic flakes

HoliDesk : Robust furniture for optimal use of HoliMaker products

Ref : HD

> Sturdy furniture for mounting HoliPress, storing injection moulds and HoliMaker accessories.

Dimensions : HD 73 cm (L) x 70 cm (W) x 89 cm (H) Weight : 48 kg



HoliCase : the flight case dedicated to the transport of HoliMaker products

Ref : HC



- > HoliCase is a flight case adapted and reinforced by our technicians.
- > HoliCase is equipped with wheels in order to facilitate the transport of HoliMaker products on events such as interventions in schools or on exhibitions.
- > HoliCase allows to fix the manual injection moulding machine HoliPress and the manual plastic grinder HoliShred.
- > HoliCase also allows to store injection moulds and the various other HoliMaker modules and accessories.

Dimensions : 92 cm (L) x 62 cm (W) x 96 cm (H) Weight : 45 kg

Preheating system for injection mould or nozzle

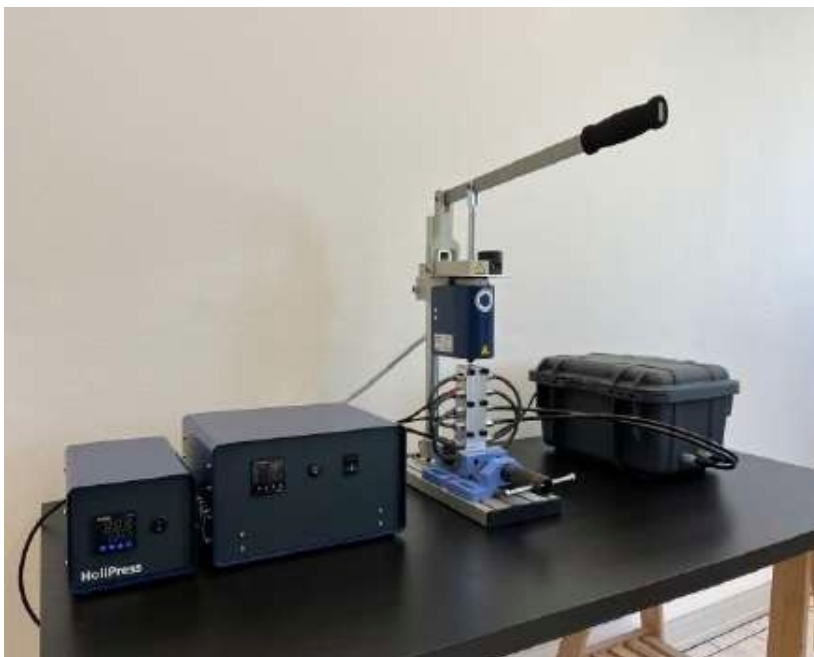
Ref : HPC08

- > The preheating system for injection moulds allows to maintain the machined aluminum moulds at the desired temperature.
- > With this system, you will be able to inject your thin-walled parts and technical materials more easily.
- > This preheating system supplies up to 2 x 65W heating cartridges (included).



Thermal control system for injection moulds

Ref : HPC05



- > The Thermal Control System for injection moulds is a system consisting of a high performance temperature control box that can power up to 6 x 65W waterproof cartridge heaters (included).
- > This system is also equipped with a water cooling system that allows the qualitative injection of your technical parts as well as the acceleration of your injection rate.

Shut-off nozzles & standard nozzles

> The shut-off nozzle comes with the HoliPress and holds the plastic in the heating chamber to ensure efficient plasticization.

> The standard nozzle is ideal for injecting high-viscosity plastics.

(HP16) Shut-off nozzle 3 mm	Ref : HPM017
(HP16) Shut-off nozzle 5 mm	Ref : HPM015
(HP16) Standard nozzle 3 mm	Ref : HPM018
(HP16) Standard nozzle 5 mm	Ref : HPM016
(HP38) Shut-off nozzle 3 mm	Ref : HPM023
(HP38) Shut-off nozzle 5 mm	Ref : HPM021
(HP38) Standard nozzle 3 mm	Ref : HPM024
(HP38) Standard nozzle 5 mm	Ref : HPM022



5mm
Shut-off nozzle



3 mm
Shut-off nozzle



5 mm
Standard nozzle



3 mm
Standard nozzle

5 mm Heated shut-off nozzle HP38 5 mm Heated shut-off nozzle HP16*

Ref : HPM019

Ref : HPM020

> The heated shut-off nozzle is stainless steel and is thermoregulated by a 24V heating cartridge.

> This nozzle is ideal for injecting fast-cooling plastics (e.g. Polyamide, Polyester).

> **Attention:** the **HP16 5mm heated shut-off nozzle (Ref HPM020)**, must be used with either the **HPC05** (temperature control system) or the **HPC08** (injection moulding preheating system).



Side view



Bottom view

Tensile specimen mould

Ref : HPC010

> Standard aluminum mould for making tensile test samples based on ISO 527-2 type 1B.



Rheology specimen mould

Ref : HPC012

> Aluminum mould designed for injection in rheology tests.

Dimensions :
30 mm / 2 mm



Staircase mould

Ref : HPC040

> Aluminum mould designed for injecting staircase specimens for thickness tests and customer samples.

Dimensions:
70 mm / 40 mm

Injected moulding thickness: 3 mm / 2 mm / 1 mm



Custom spinner mould

Ref : HPA07

> Aluminum mould designed for injecting spinning tops with custom text.



Carabiner mould

Ref : HPC042

> This aluminum mould is used for injecting carabiner-style items.



Customized bottle opener mould

Ref : HPC043

> Aluminum mould designed for injecting custom bottle openers.

> The mould is customizable on both sides with 3D resin inserts and comes with 100 metal bottle opener inserts.



Aluminium reinforcements fo 3D printing moulds

Ref : HPC02



HPC02 : 100 mm / 60 mm / 30 mm



HPC03 : 60 mm / 60 mm / 30 mm

> HoliPress is flexible, allowing the use of various mouldmaking technologies. HoliMaker's machined aluminum reinforcements support and strengthen 3D-printed moulds.

Available sizes :

100 mm / 60 mm / 30 mm
60 mm / 60 mm / 30 mm

Ref : HPC03

Fume filtration system

Ref : HPC06

> The smoke filtration system allows you to carry out your injections in complete safety.

> This system is composed of a vacuum cleaner, a flexible arm, and a collection nozzle which allows to collect the fumes as close as possible to HoliPress.

> This fume filtration system is equipped with a specific filter for particles and gases from the plastics industry.



20-liter oven

Ref : HPC07



> The 20-liter oven is used to dry the material granules before they are injected into HoliPress in order to prevent moisture from appearing on the parts produced. Its capacity is 20 liters. It is equipped with a microprocessor-based temperature control system, a self-adjusting PID and a motorized hot air circulation.

Granules assortment 4 x 0,25kg

> Assortment of pellets for testing the injection with HoliPress.

Ref : HPC020

Food grade PP granules 0,5kg

> ISPLEN BP180 G2M polypropylene granules
> Suitable for food contact
> Natural white

Ref : HPC021

Regenerated PP granules 0,5kg

> Regenerated PolyPropylene granules
> Black

Ref : HPC022

POM granules 0,5kg

> Ultra Poly POM 9 granules
> Natural white

Ref : HPC023

PA6 granules with 15% FV

> DOMAMID 6G15 PA6 granules
> Natural white

Ref : HPC024

SEBS shore 45A granules 0,5kg

> SEB flexible granules shore 45A
> Natural white

Ref : HPC025

SEBS shore 90A granules 0,5kg

> SEBS flexible shore 90A granules
> Recycled industrial material
> Ensoft SO-161-90A
> Black and white

Ref : HPC026

Pair of thermal gloves

> Pair of gloves coated with nitrile on a para-aramid fiber base.
> Available sizes : 7 / 9



Ref : HPA04

Cleaning brush

> Twisted steel and brass fiber cleaning brush.



Ref : HPA06

Protective glasses

> Safety glasses to be worn when using HoliMaker products.



Ref : HPA09

Feasibility study

Ref : HMS04

> This service is for any company that wants to know if their parts can be injected with HoliPress.

> The feasibility study includes the design of a test mould, the 3D printing of a Formlabs resin mould, the injection test in the desired material and finally the sending of the realized parts.

Material test

Ref : HMS07

> This service is intended for any company which wonders if its material can be injected with HoliPress.

> The material test includes the injection of a staircase test piece into a machined aluminum mould and a tensile test piece into a machined aluminum mould. The injected parts are delivered to the customer with a complete and detailed report of the results of the tests performed by our technicians.



Prototyping

> Produce high-quality parts quickly and affordably. With HoliPress, you can reduce costs, prototype faster, and deliver better products to market. It's designed to produce beautiful final parts for various applications.



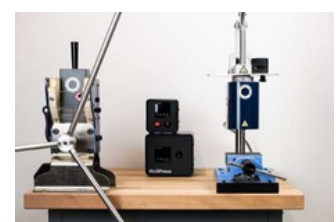
Material testing

> Test your designs with the right materials. HoliPress enables plastic manufacturers to quickly test their industrial feedstock (granules) and adjust their composition as needed



Recycling

> Make recycling your plastic parts easy with HoliMaker solutions. Use HoliShred to recycle your 3D printing scrap or production parts.





Prototyping



Material testing



Recycling



Small series



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HoliMaker accompanies you in your projects.

HoliMaker provides training in 3D design for plastic injection moulds using HoliPress, as well as training in designing parts for injection. HoliMaker also provides a production service for small batches of injected parts prior to mass production.