

HoliMaker[®]

Revolutionizing access to plastic injection molding

SG MOULDING
SOLUTIONS 

The perfect manual injection
molding machine for:

*Prototyping
Material testing
Recycling*



At HoliMaker, we are rethinking how plastic parts are developed — by making injection molding accessible, agile, and local.

Our mission is to **bridge the gap between the idea and industrial production**. With our compact, manually operated injection press — the HoliPress — we offer professionals a powerful tool to prototype plastic parts quickly, accurately, and affordably, without the need for large-scale equipment.

Ideal for product designers, R&D teams, innovation labs, and small-scale manufacturers, the Holipress allows users **to test forms, materials, and functions in real conditions** — accelerating decision-making and **reducing development costs**.

Combined with a range of complementary tools, and material options, Holimaker enables short-run production and rapid iteration — **all within your workspace**.

It's a smart, hands-on approach to innovation, perfectly suited for today's fast-moving industrial environment.



Agenda

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Let's find your perfect fit

Technical characteristics



	HoliPress 16+	HoliPress 38	HP High Temperature
Piston diameter	16 mm	18 mm	
Maximum injection volume	16 cm ³	≈ 34 - 38 cm ³	
Operating temperature	up to 320° C		up to 500° C
Injection pressure at the end of the piston	100 bars	150 bars	
Closing of the mold	Vise, screw, clamp, hydraulic clamping		
Holding pressure	Manual		
Injection speed	2 to 10 seconds		
Mold thickness	10 to 200 mm		
Mold materials	Machined metals and SLA 3D printing		
Adjustable nozzle height	0 to 190 mm		
Production rate	1 pc / 3-6 min		
Electrical power	400W - 220V	860W - 220V	1100W - 220V
Type of thermal regulation	PID simple	PID triple	
Weight of the basic pack	29 kg	58 kg	
Heating nozzle	Optional	Simple	Double
Adjustable-length lever	No	Yes	
CE certification	Yes		
Warranty period	12 months		
Compatible polymers	PP, PE, PEHD, PA, TPU, POM, ABS, PELD, PS*		Same as previous + PEEK, PEI, PPS

HoliPress High Temperature Starter-Pack

Ref: HP38HT

Compact high-temperature machine for challenging materials

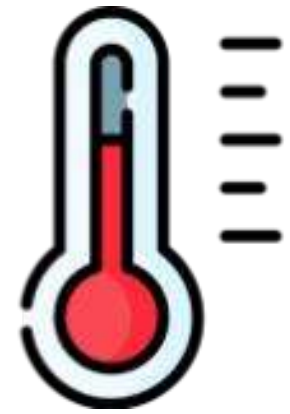


HoliPress High-Temperature is a dedicated manual injection press engineered for processing technical polymers at temperatures of up to 500 °C.

Designed for demanding materials like PEEK and other high-performance plastics, the HoliPress High-Temperature brings industrial-grade capabilities into a compact, user-friendly machine. Its extended temperature range and robust build provide a reliable solution for material qualification, advanced R&D, small-series production, and specialised training—allowing engineers to process challenging polymers safely and efficiently without relying on a full-scale industrial press.

To be completed with an industrial water chiller featuring a compressor, a minimum flow rate of 13L/ min, and a minimum cooling capacity of 1,200 kcal/h. Contact us for more information.

Availability
April 2026



Content of the starter pack

- HoliPress High Temperature
- Triple output temperature control unit
- Clamping vice
- 1 double-heated 5 mm shut-off nozzle
- 1 carabiner machined aluminium test mold
- 1 bag of PEEK granules
- 2 bags of purge granules: standard & high temperature
- 1 cutting pliers
- Cleaning & maintenance accessories
- Individual protective equipment (glasses + high temperature gloves)
- Instruction manual



Temperature management box



Clamping vice



5 mm heated shut-off nozzle



Carabiner mold



Cleaning brush



Safety glasses



Pair of thermal gloves



Cutting pliers



Granules bags

High-temperature plastic injection

Designed for advanced engineering plastics, it offers an extended temperature capacity and enhanced thermal control.

It features multiple high-temperature heating zones, a simplified height adjustment system, and an adjustable injection lever for safer, more precise processing of demanding materials.



Integrated cooling system



Limits heat emanation and loss



Easy to use



Easy to clean



Easy feeding of material



Increased safety



Up to 500 °C



Compact by design
240 x 410 x 715 mm



HoliPress 38 Starter-Pack

Large volume injection molding machine



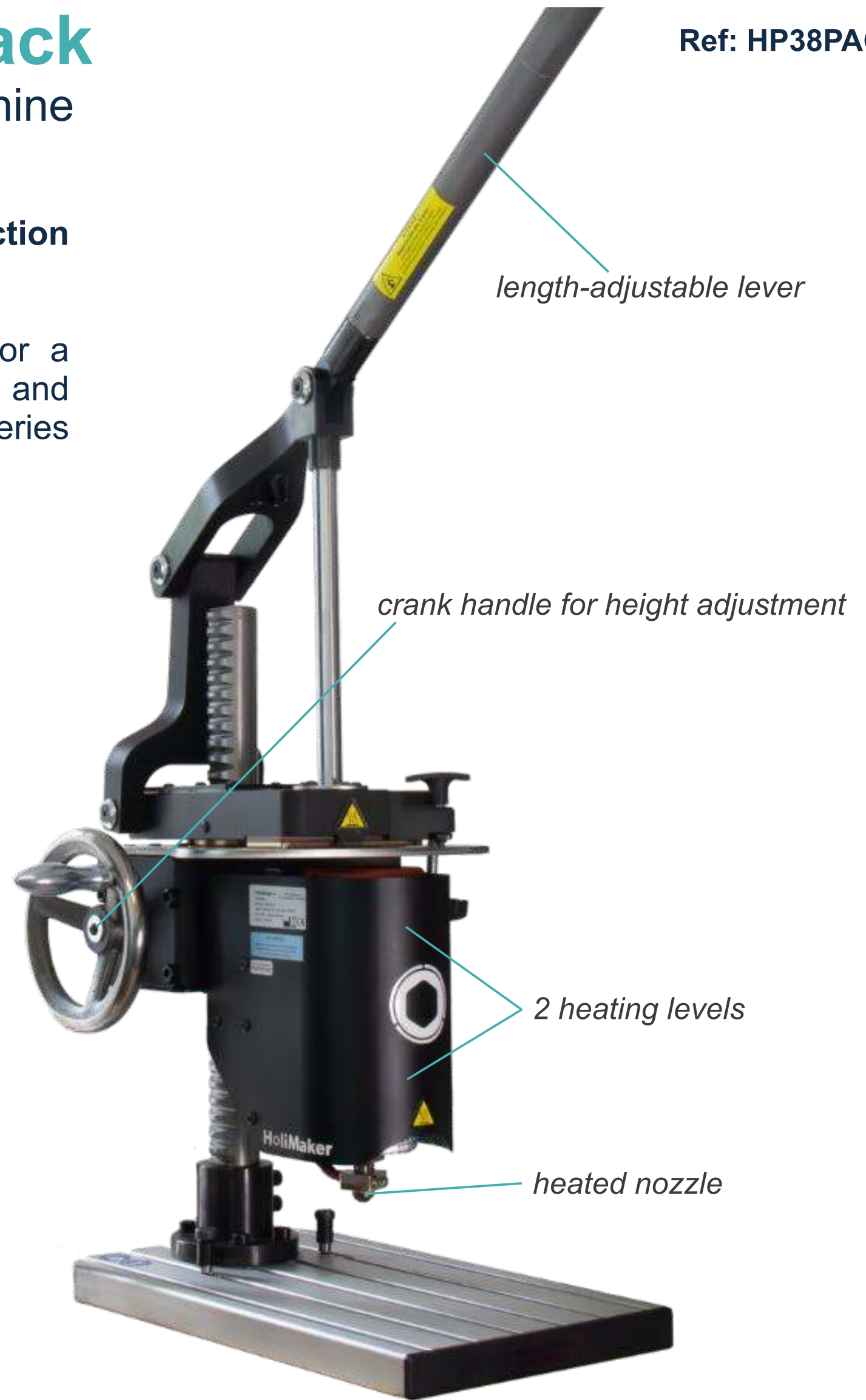
HoliPress 38 is a versatile plastic injection molding solution for prototyping.

It offers a reliable, high-performance option for a wide range of production needs — from research and development and prototype creation to small-series production and plastics processing training.

Content of the starter pack

- HoliPress 38
- Triple output temperature control unit
- Clamping vice
- 1 heated 5 mm shut-off nozzle
- 1 machined aluminium test mold
- 1 bag of recycled PP granules
- 1 bag of food-grade natural PP granules
- 1 cutting pliers
- Cleaning & maintenance accessories
- Individual protective equipment (glasses + gloves)
- Instruction manual

Ref: HP38PACK



Temperature management box



Clamping vice



5 mm heated shut-off nozzle



Carabiner mold



Cleaning brush



Safety glasses



Pair of thermal gloves



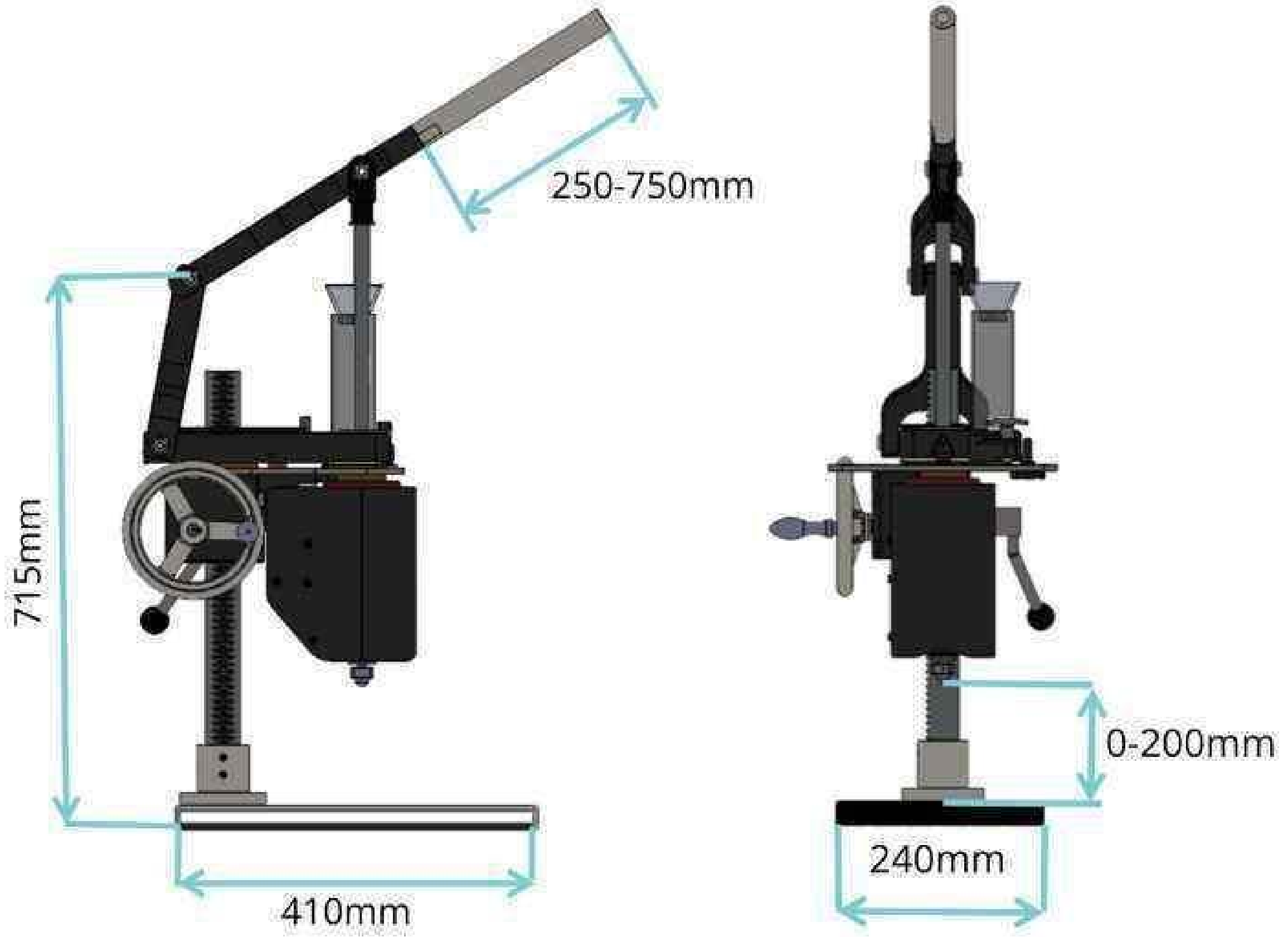
Cutting pliers



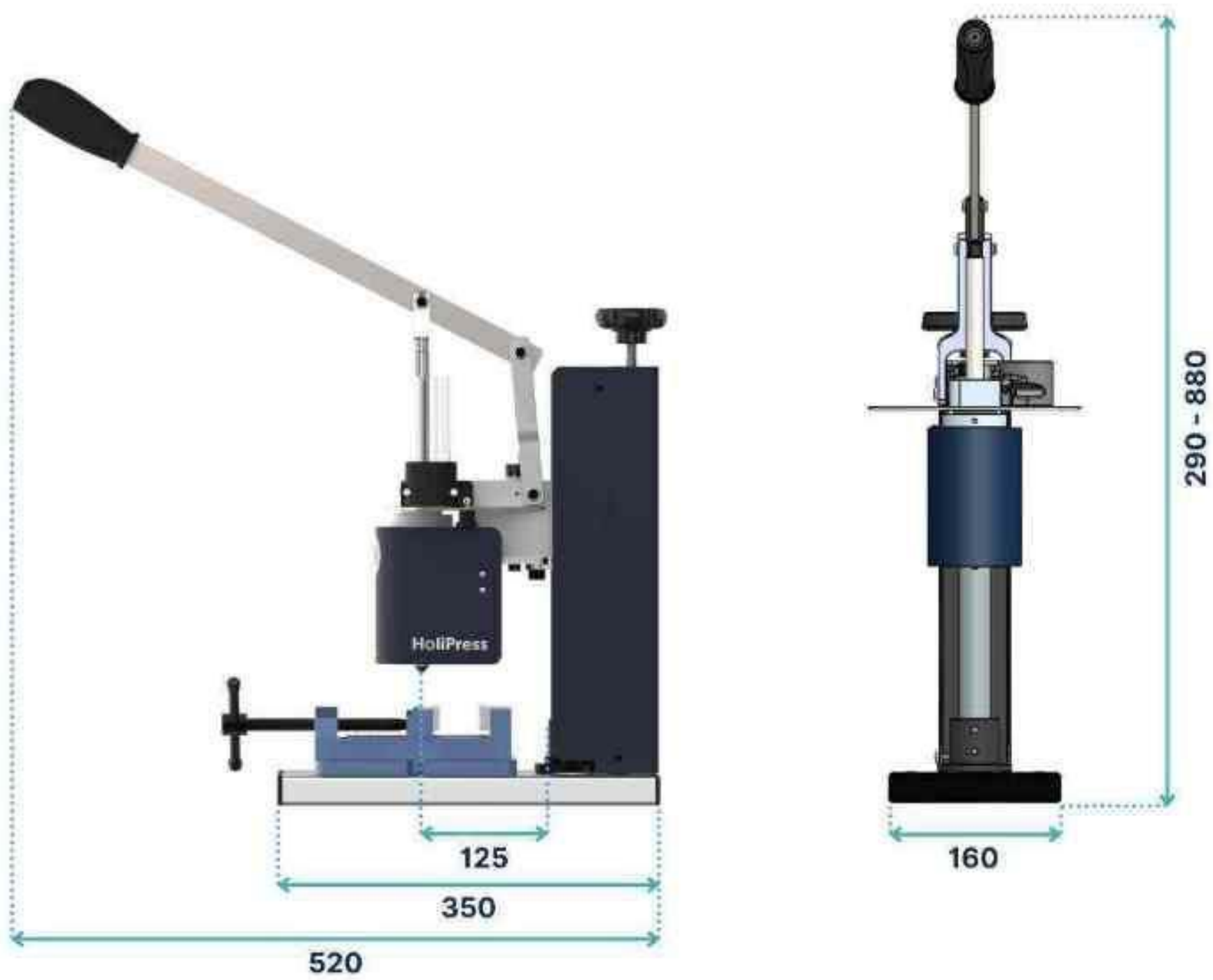
Granules bags

Dimensions

HoliPress 38



HoliPress 16+



HoliPress 16+ Starter-Pack

Ref: HP16PACK+

Produce your plastic injection parts independently



HoliPress 16+ allows you to manually inject plastic parts using standard industrial raw materials.

Its compact design and ease of use enable you to produce plastic prototypes in record time. An ergonomic handle and a turn-wheel knob attached to the column rack allow for easy adjustment of the nozzle height.



Content of the starter pack

- HoliPress 16+
- Temperature management box
- Clamping vice
- 3 mm shut-off nozzle + purge block
- 3 mm standard nozzle
- Machined aluminium spinner test mold
- 1 bag of PP 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 mold



Cleaning brush



Safety glasses



Pair of thermal gloves



Cutting pliers



Granules bags

Hydraulic mold clamping system

Modular system for flexible, high-efficiency molding

This 2-column (or 4-column) system is designed to clamp an injection mold for greater efficiency and faster handling. Its versatile design allows for both horizontal injection (into the parting line) and vertical injection (into the mass).



Ref: HPC016

Hydraulic clamp

Engineered for precision, built for flexibility

Hydraulic clamping system designed to securely hold injection Molds for efficient and precise operations. Sold without pump or hydraulic connector (optional: HPC015). Compensating shims allow precise adjustment for various mold thicknesses.

Fits HoliPress 16+ and 38.

Maximum mold dimensions: 185 x 110 x 60 mm.

Also available in a 2-column version for thinner molds. Maximum mold dimensions: 165 x 115 x 70 mm

Ref. HPC014



Horizontal position for injection in the parting line



Vertical position for injection into the mass



Hydraulic plump

Plug, pump, and press with precision

Hydraulic pump supplied with pressure gauge and connectors.

Delivered with 1L of hydraulic oil.



Ref: HPC015

HoliShred

Ref: HS

Manual shredder to grind plastic materials into flakes

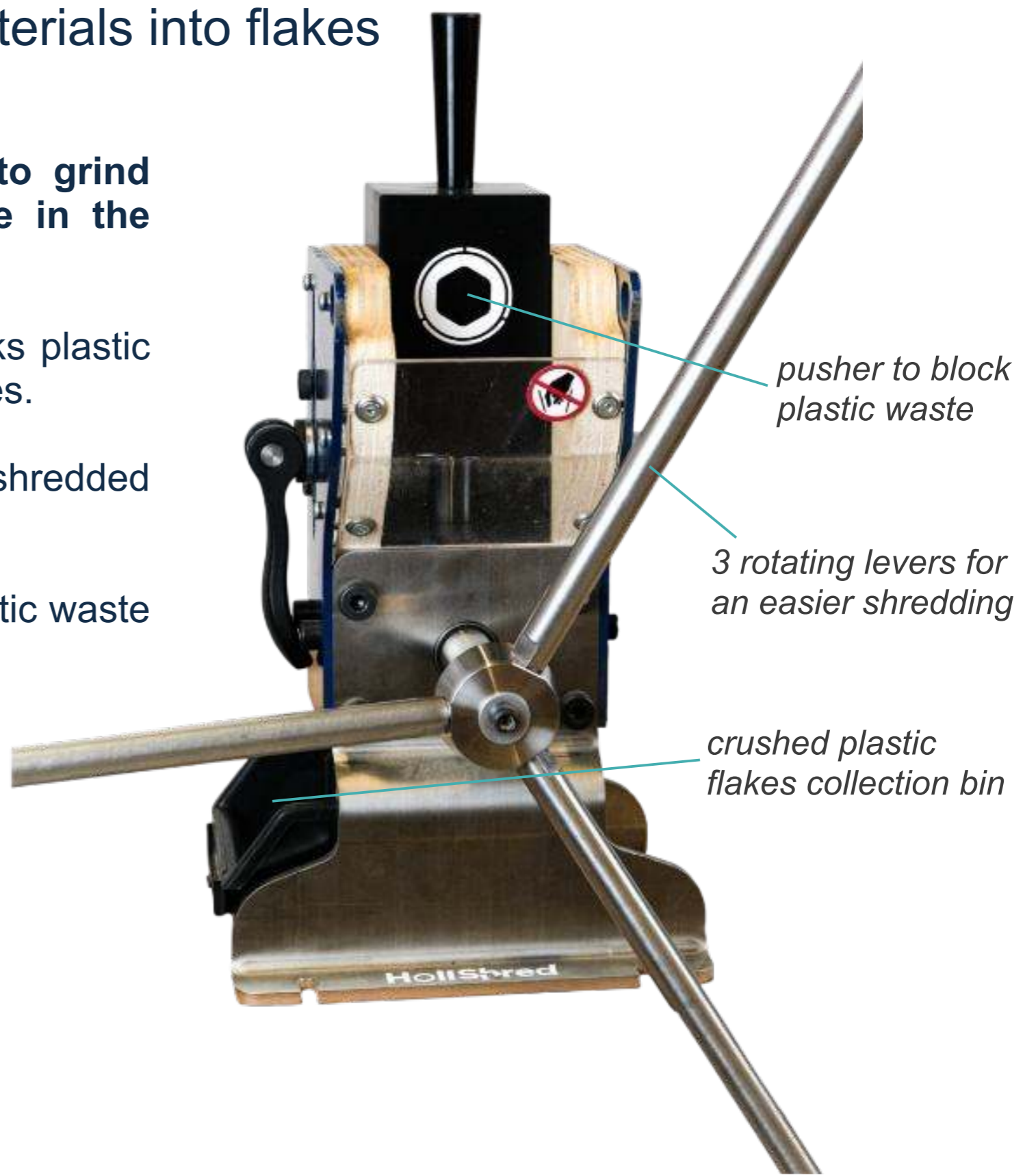


HoliShred is an innovative tool designed to grind plastic materials into flakes, ready for use in the HoliPress.

Equipped with a pusher, HoliShred safely blocks plastic waste and prevents access to the grinding blades.

It also features a collection tray to gather the shredded flakes.

Finally, three sturdy levers make shredding plastic waste easy and efficient.



HoliDesk

Ref: HD

The perfect workstation for HoliMaker machines

The HoliDesk is a robust workshop table designed specifically for mounting the **HoliShred** manual plastic shredder and the **HoliPress 16 or 38** manual injection molding machines.

Built with a thick wooden top for stability and durability, it also features a **convenient drawer** for storing injection molds and HoliMaker accessories.

This sturdy, purpose-built furniture provides an **ideal setup for using the HoliPress** in any workshop environment.

Dimensions:

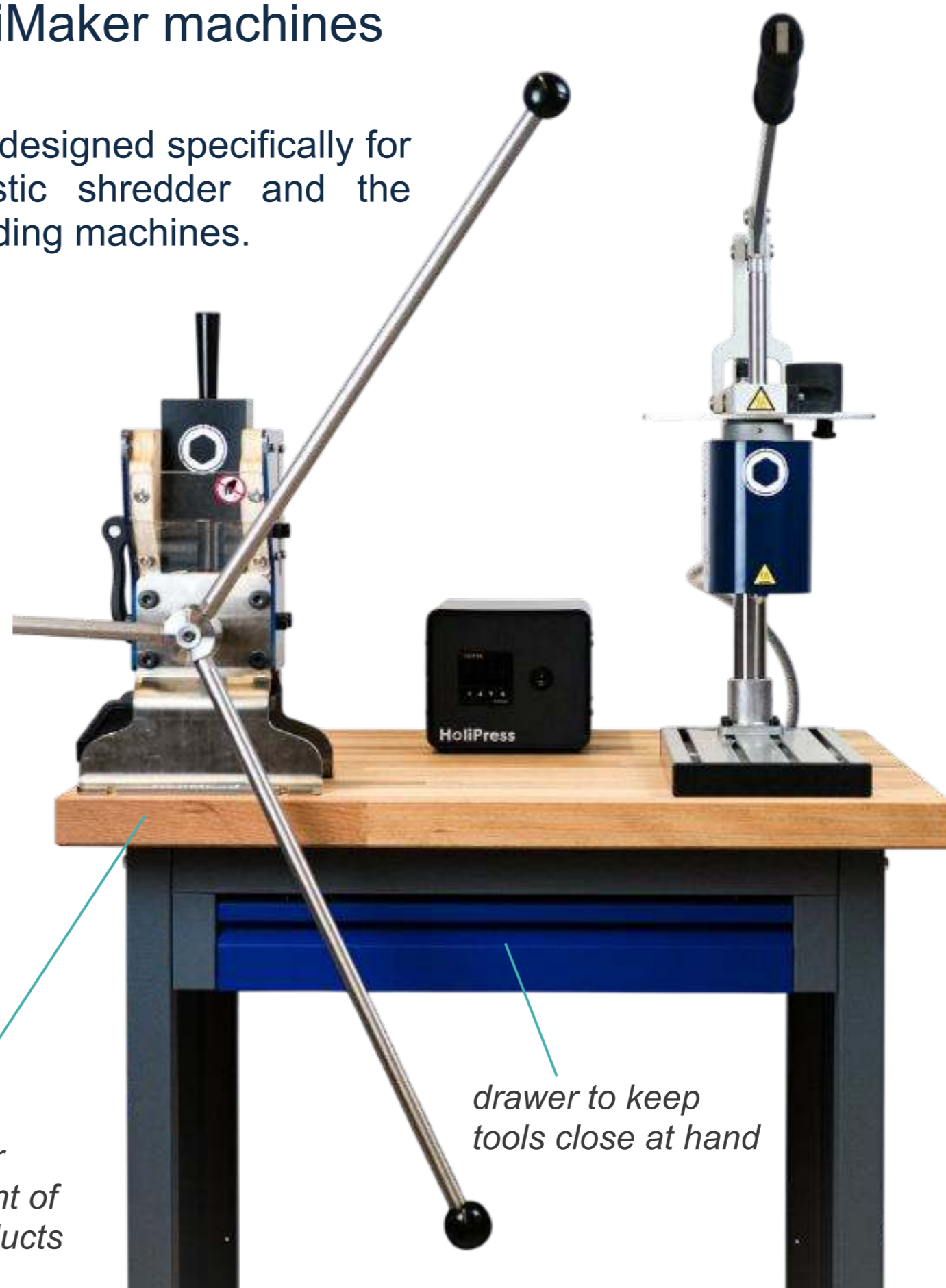
73 cm (L) x 70 cm (W) x 89 cm (H)

Weight: 48 kg

Presentation image featuring: HoliShred and HoliPress 16

wooden tray for easy attachment of HoliMaker products

drawer to keep tools close at hand



HoliCase

Ref: HC

Secure, reinforced transport for your HoliMaker equipment

The HoliCase is a reinforced flight case engineered to protect and transport HoliMaker machines with complete confidence. Designed by our engineers for durability, it features a robust structure and heavy-duty castors for smooth mobility at schools, workshops, trade fairs, or exhibitions.

Its interior layout is optimized to securely hold the HoliPress 16 or 38, HP38HT manual injection molding machine, the HoliShred manual plastic shredder, the fume filtration system, and additional equipment such as injection molds, tools, or even a display banner.

Dimensions: 92 cm (L) × 62 cm (W) × 96 cm (H)

Weight: 45 kg

Presentation image featuring: fume filtration, HoliPress 16 and HoliShred

Customizable front panel (70x35cm) - option 200€



Preheating system with cartridges

Ref: HPC08

Mold or nozzle temperature for precise, high-quality injections



The preheating system is designed to maintain machined aluminum injection molds at a stable, controlled temperature. This allows for easier injection of thin-walled parts and technical materials, improving part quality and process reliability.

The system powers up to **two included 65 W heating cartridges**, ensuring efficient and uniform heat distribution.

It can be used either to heat a mold with the supplied cartridges or to power a heating nozzle.

A temperature sensor is included for precise control.

Specifications:

- Input: 220 V AC – 6 A
- Output: 2 × 24 V DC – 3 A

heating cartridges



Also available in a dual configuration (2x65W) for enhanced heating performance.

Ref: HPC017

Shut-off & standard nozzles

Controlled flow for efficient plastic injection

The shut-off nozzle is supplied with the HoliPress and retains the plastic in the heating chamber to ensure efficient plasticization.

The standard nozzle (not supplied with HP38) is ideal for injecting high-viscosity plastics.

Nozzle	Press	Ref.
Shut-off 5 mm	HP16	HPM015
Standard 5 mm	HP16	HPM016
Shut-off 3 mm	HP16	HPM017
Standard 3 mm	HP16	HPM018
Shut-off 5 mm	HP38	HPM021
Standard 5 mm	HP38	HPM022
Shut-off 3 mm	HP38	HPM023
Standard 3 mm	HP38	HPM024



5 mm shut-off nozzle



3 mm shut-off nozzle



5 mm standard nozzle



3 mm standard nozzle

Heated shut-off nozzles

Maintaining the temperature right up to the mold

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

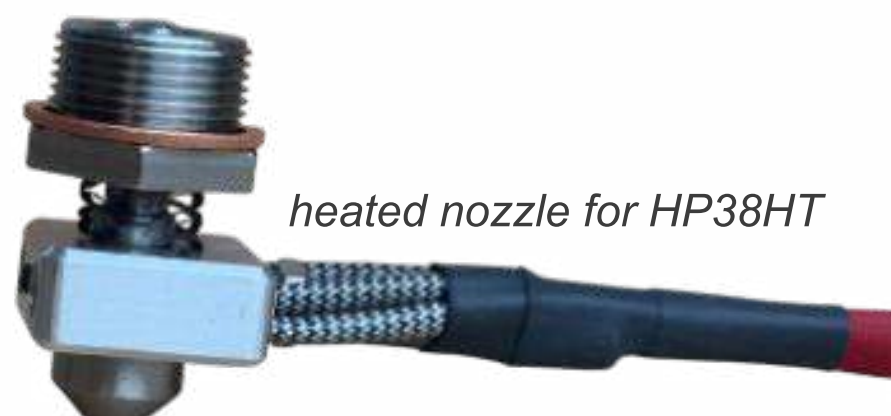
This nozzle is ideal for injecting fast-cooling plastics such as polyamide or polyester.

- For HP38 - ref. HPM019
- For HP16* - ref. HPM020
- For HP38HT - ref. HPM025

*HP16 5 mm heated shut-off nozzle (Ref. HPM020) must be used with either the HPC08-02 (heating control unit 130W) or the HPC08 (preheating system).



heated nozzle for HP16 & HP38



heated nozzle for HP38HT

Tensile specimen mold - 1A

Ref: HPC013

For mechanical testing and material evaluation

Standard aluminium mold for making tensile test samples based on **ISO 527-2 type 1A**.

Can be combined with a pre-heating system (ref. HPC08 or HPC017) for improved injection performance.

Closure with screws, but the 4-column hydraulic clamping system can also be used.



Tensile specimen mold - 1B

Ref: HPC010

For mechanical testing and material evaluation

Standard aluminium mold for making tensile test samples based on **ISO 527-2 type 1B**.

Can be combined with a pre-heating system (ref. HPC08 or HPC017) for improved injection performance.

Closure with a clamping vice (providing with HoliPress starter packs).



Rectangular bar specimen mold

Ref: HPC018

For bending and impact evaluation

Standard aluminium mold for making rectangular bar specimen test samples based on **ISO 178**.

Can be combined with a pre-heating system (ref. HPC08 or HPC017) for improved injection performance.

Closure with screws, but the 4-column hydraulic clamping system can also be used.



Rheology specimen mold

Ref: HPC012

Reliable mold for material flow testing

Aluminum mold designed for injection rheology tests.

Dimensions: 30 mm (d) x 2 mm (T)

Can be combined with a pre-heating system (ref. HPC08) for improved injection performance.

Closure with a clamping vice, but the 2-column hydraulic clamping system can also be used.



Staircase mold

Ref: HPC040

Designed for precise thickness testing

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

Dimensions: 70 mm / 40 mm

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

Can be combined with a pre-heating system (ref. HPC08 or HPC017) for improved injection performance.



Carabiner mold

Ref: HPC042



Custom spinner mold

Ref: HPA07



Customization: 25 characters maximum

Custom bottle opener mold

Ref: HPC043

Overmolding and customisation

Aluminum mold designed for injecting custom bottle openers.

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

Can be combined with a pre-heating system (ref. HPC08 or HPC017) for improved injection performance.



*Metal inserts for bottle opener mold.
Ref. HPC044*

Aluminium reinforcements for 3D printing Molds

Reinforcing 3D printed Molds for strength and longevity

Precision-machined aluminum frames designed to strengthen 3D-printed molds or combine with cast epoxy resin for durable hybrid molds.

They ensure stability, reliability, and repeatable results in small-scale injection.

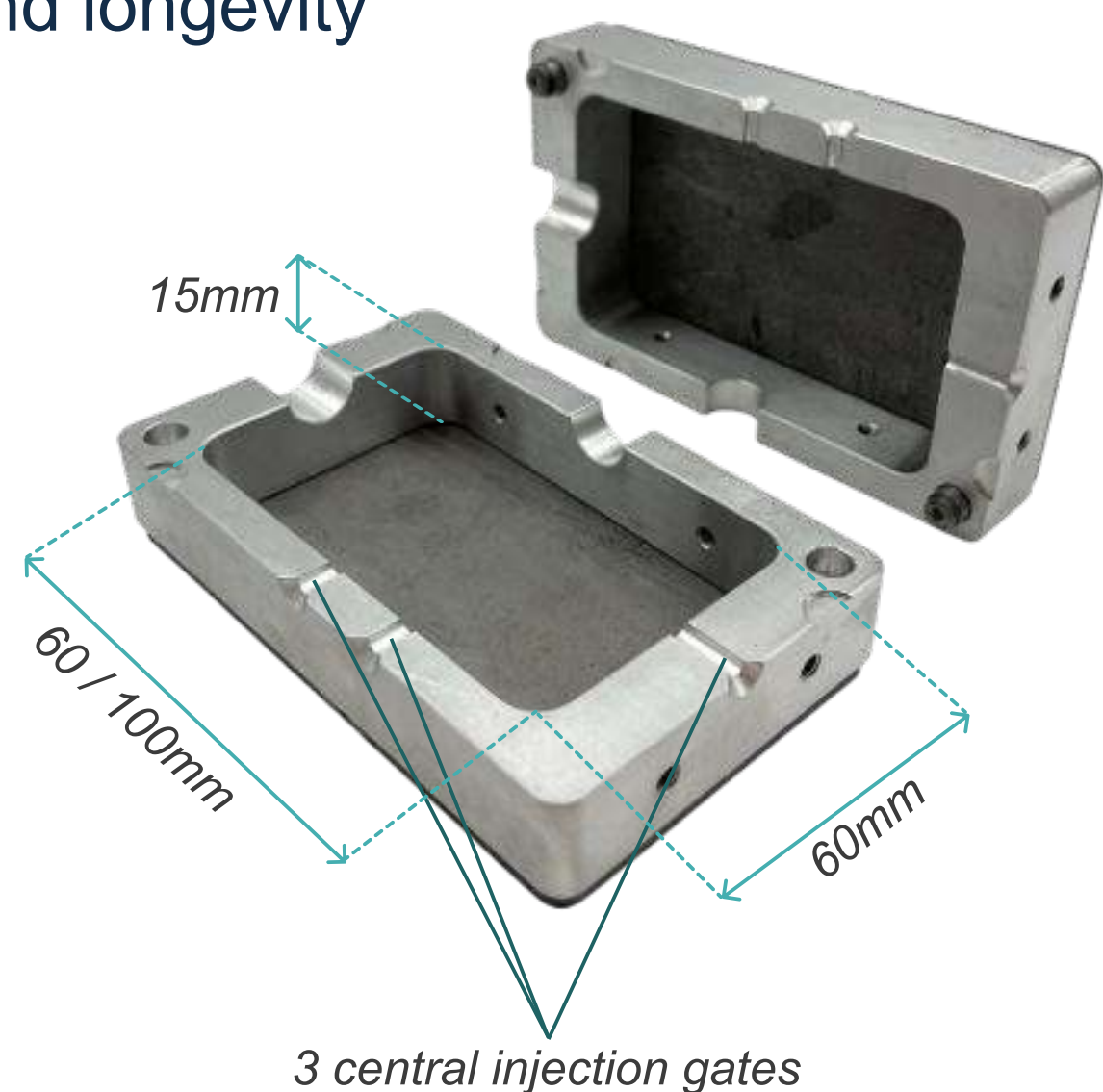
2 available sizes (internal mold dimensions):

- 100 mm / 60 mm / 30 mm

ref. HPC02

- 60 mm / 60 mm / 30 mm

ref. HPC03



Fume filtration system

Ref: HPC09

Safe plastic injection by capturing fumes directly at the source



It consists of a high-performance vacuum unit, two flexible extraction arms, and collection nozzles positioned close to the HoliPress for maximum efficiency.

Equipped with a BOFA® multi-stage filter, the system provides thorough protection:

- **Pre-filter** traps larger particles
- **HEPA filter** removes fine particulates
- **Chemical gas filter** neutralizes harmful fumes

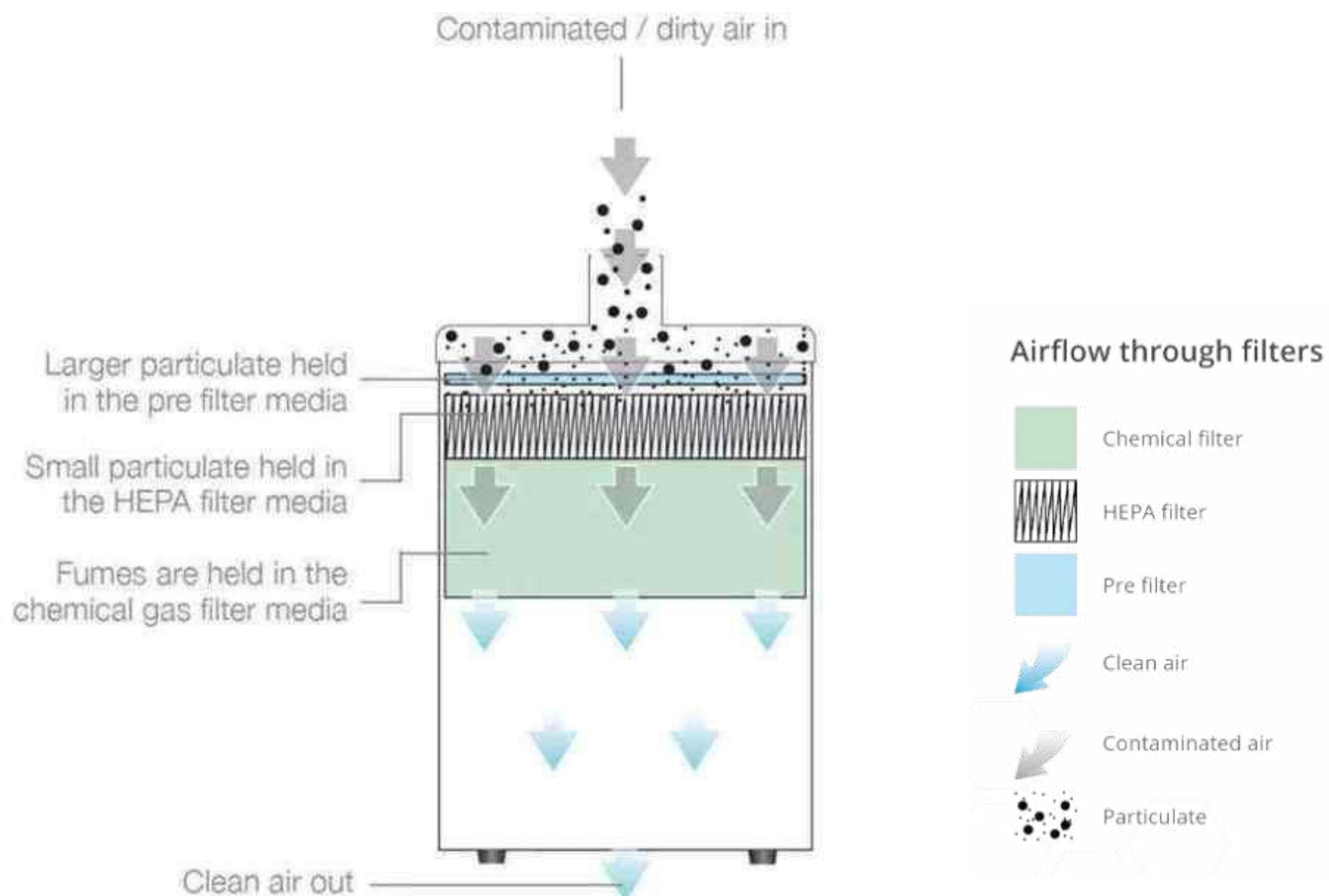
This professional-grade solution keeps your workspace clean, safe, and compliant with best practices for plastics processing.

Once worn, you can replace the filter:
ref. RSFM



Also available with 1 extraction arm. Suitable to vacuum fumes from the heating chamber or out of the nozzle.

Ref. HPC06



Our machines can process most thermoplastics. Here are some reference materials we offer for resale:

Materials	Ref.
Granules assortment 4 x 0,25kg Assortment of pellets for testing injection with HoliPress	HPC020
Food grade PP granules 0,5kg ISPLEN BP180 G2M Suitable for food contact > Natural white	HPC021
Regenerated PP granules 0,5kg GLOBAL RECOV > Black > Orange > Turquoise	HPC022 HPC046 HPC035
POM granules 0,5kg SABIC 90S > Natural white	HPC023
PA6 granules with 15% GF 0,5kg DOMAMID 6G15 PA6 > Natural white	HPC024
PA6.6 granules 0,5kg DSM F223D > Black	HPC047
SEBS shore 45A granules 0,5kg ENPLAST Ensoft SO-161-45A > Natural white	HPC025
SEBS shore 90A granules 0,5kg ENPLAST Ensoft SO-161-90A > White	HPC026
PEHD granules 0,5kg SIBUR 85612 IM > Natural white	HPC039
PELD granules 0,5kg RIBLENE MP31R > Natural white	HPC048
PP granules with 30% GF 0,5kg > Black - RAVAGO - MAFILL CR XG 5544 > Natural white - SIRMAX - ISOGLASS 14014	HPC049 HPC030
ABS granules 0,5kg LG CHEM - ER460 > Natural white	HPC036
HIPS granules 0,5kg KUMHO - HI425 > Natural white	HPC050
ASA granules 0,5kg LG CHEM - LI918 > Natural white	HPC051
TPE granules 0,5kg > Translucent white - KRAIBURG TM7LFT_S102 > Black - KRAIBURG TC7GPZ_B100	HPC052 HPC054
PEEK granules 0,5kg > Natural - VESTAKEEP 2000 G	HPC055
Purge granules 0,5kg > To clean the machine between different materials	HPC045

This list is not exhaustive of all materials compatible with the HoliPress. Don't see the desired material listed? No problem — just contact us.

Feasibility study

Ref: HMS04

From design to injection — assess your part's viability

This service is intended for companies looking to determine whether their parts can be injected using the HoliPress.

The feasibility study includes the design of a test mold, 3D printing of a Formlabs resin mold, injection testing with the desired material, and delivery of the produced parts.



Material testing

Ref: HMS07

Validate your material before production

This service is intended for companies evaluating a material for injection with the HoliPress.

The material test includes the injection of a staircase test piece and a tensile test piece, both using machined aluminium Molds. The test specimens are delivered to you along with our observations on injectability.



Resin mold printing

Ref: HMS03

Prototype your parts with custom 3D printed tooling

This service is designed for companies and innovators who need to validate a part's geometry and material compatibility without metal tooling.

Simply provide a STEP file of your part, and we will design and 3D print a high-precision resin mold compatible with the HoliPress. This solution is ideal for rapid prototyping, allowing you to test specific shapes and run your own material trials in-house. You receive the ready-to-use resin mold, empowering you to iterate quickly and refine your design before moving to final production.



✓ **Prototyping: Produce high-quality parts quickly and affordably.**

With HoliPress, you can reduce costs, accelerate prototyping, and bring better products to market faster. It's designed to produce clean, final-quality parts for a wide range of applications.

✓ **Recycling: Easily recycle your plastic parts with HoliMaker solutions.**

With HoliShred, you can process sprues, runners, and failed parts into reusable granulate. It is the essential step for any professional looking to implement a circular and sustainable injection workflow.

HoliMaker[®]

HoliMaker supports you throughout your projects.

We offer training in 3D design for plastic injection Molds using the HoliPress, as well as training in part design for injection molding.

HoliMaker also provides a small-batch production service for injected parts prior to mass production.



Prototyping



Material testing



Recycling



Small series



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