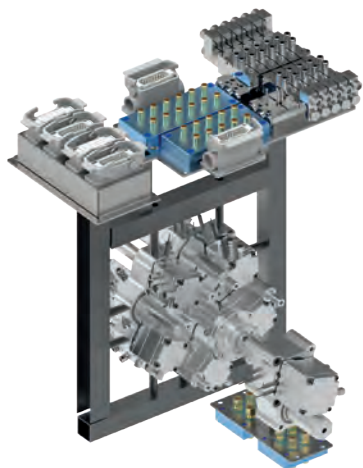


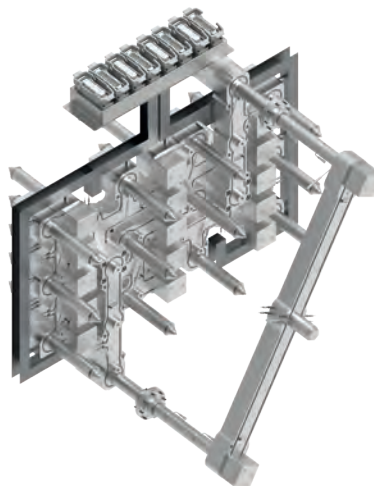
STACK MOULD

STACK MOULD



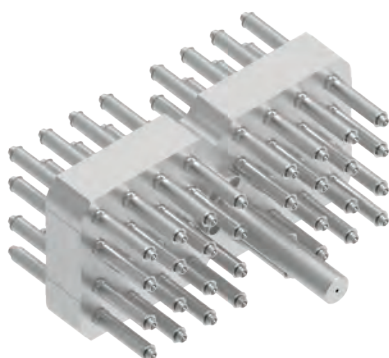
Washing machine porthole

MATERIAL: PP + TD30
WEIGHT: 209 g (418 g total)
NO. OF CAVITY: 2
SYSTEM: iSystem 18, 5+5 valve gate injection points



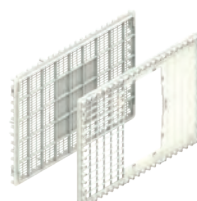
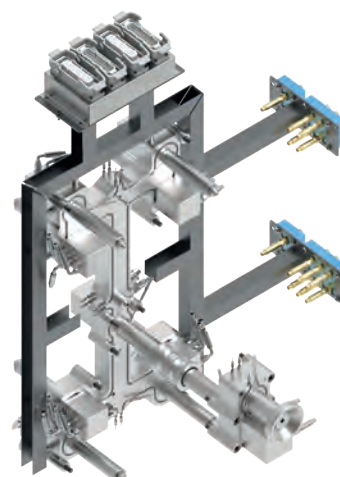
Base + Cover

MATERIAL: HDPE
WEIGHT: 4800 g
SYSTEM: iSystem 24, 15 + 12 valve gate injection points



Coffee capsules

MATERIAL: PP
NO. OF CAVITIES: 16
SYSTEM: iSystem 12, 64 points



Box Base + Box Cover

MATERIAL: HDPE
THICKNESS: 2.5 mm
SYSTEM: iSystem 24, 4+4 valve gate injection points



PLA INJECTION

iHR know-how at the disposal of bio-degradable
and bio-compostable packaging

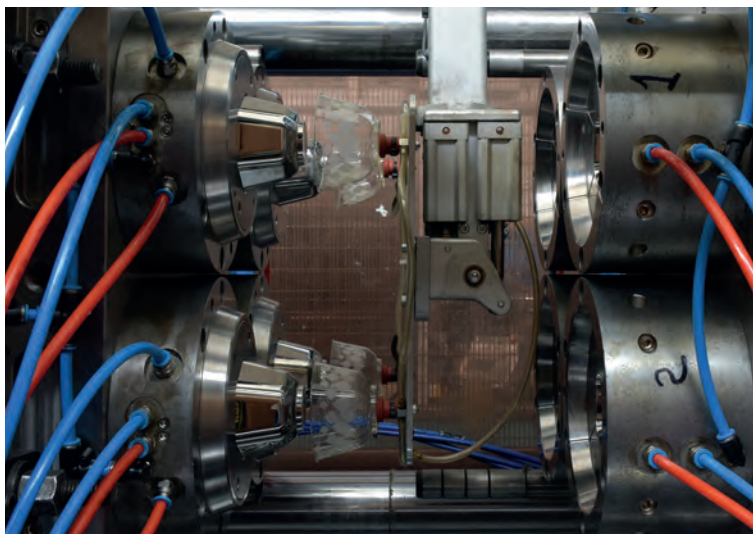
PERFECT MOULDING OF THE PLA

All the technical peculiarities and the strengths that characterize the hot runner systems designed and manufactured by iHR Solution, allow you to correctly mould even the **PLA** (polylactic acid), organic-compostable product, very particular from the point of view of processing, with some critical aspects linked for example to the high viscosity and to the fact that it can chemically attack the steel.

Our skills allowed us to study and define a hot runner injection system suitable for the use of PLA, with typical characteristics and basic technology, but completed and technologically enriched by some measures aimed to optimize the entire process.

For example with a still more accurate temperature control as well as through the use of all the parts made of stainless steel, in order to avoid chemical corrosion and therefore wear of the same.

Know-how that has allowed the company to develop various applications, among them also the one designed and produced for moulding ice cream spoons and bowls in compostable PLA.



Coppetta

MATERIALE: PLA

N° CAVITÀ: 4

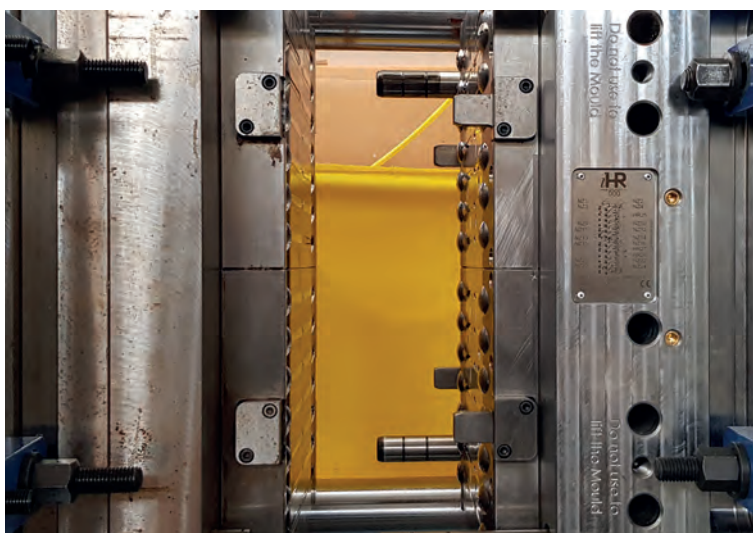
SISTEMA: iSystem 12, 4 points with Hot Half

Cucchiaio

MATERIALE: PLA

N° CAVITÀ: 24

SISTEMA: iSystem 7, 24 oints with Hot Half





MINI-MOULD



Toys clothes

MATERIAL: ABS
WEIGHT: 6 g (12 g total)
THICKNESS: 2 mm
N° CAVITIES: 2
SYSTEM: Mini-Mould, 2 injection points



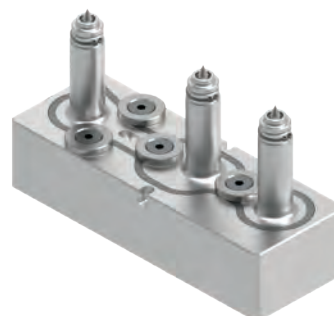
Half Ball

MATERIAL: ABS
WEIGHT: 6.8 g
ITEM DIMENSIONS: Ø 45 x 27.5 mm
THICKNESS: 1.8 mm
N° CAVITIES: 4
SYSTEM: Mini-Mould, 4 injection points



Car Wheel

MATERIAL: TPE - Forprene
WEIGHT: 8.75 g (35 g total)
ITEM DIMENSIONS: Ø 53 X 22.5 mm
THICKNESS: 1.5 mm
N° CAVITIES: 4
SYSTEM: Mini-Mould, 4 injection points



Construction Toys

MATERIAL: ABS
WEIGHT: 2.95 g - 1.7 g
N° CAVITIES: 2+1
SYSTEM: Mini-Mould with nozzle integrated in the manifold



Bin

MATERIAL: PP
WEIGHT: 6.2 g
SYSTEM: Single nozzle Mini-Mould

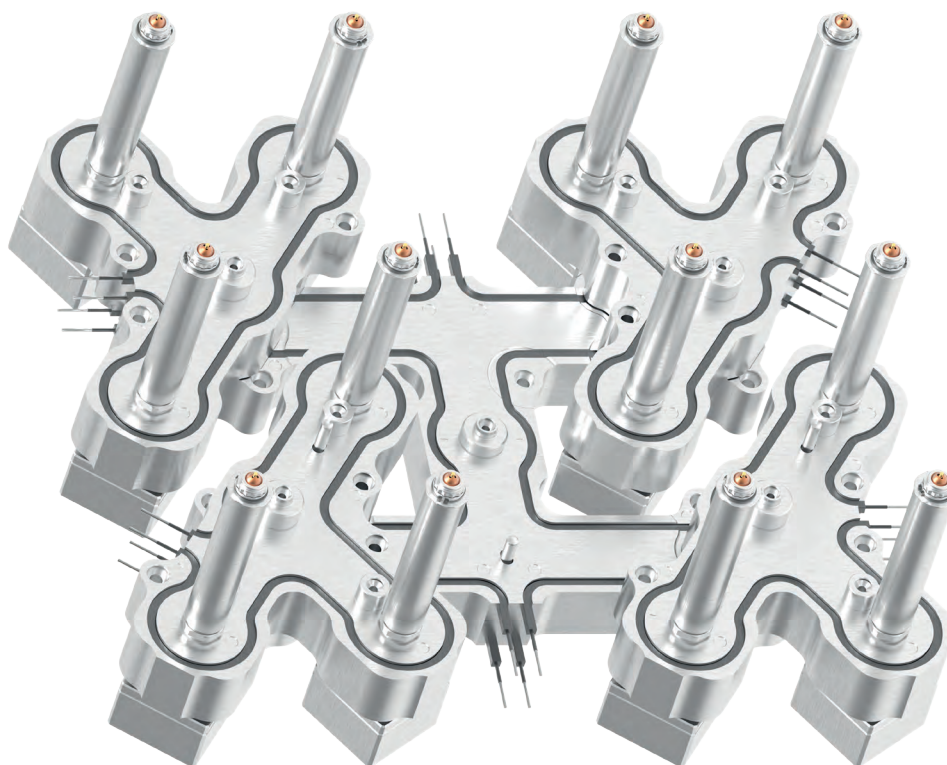


Clamp

MATERIAL: ABS
WEIGHT: 0.4 g
N° CAVITIES: 8
SYSTEM: Mini-Mould, 8 injection points



PHARMACEUTICAL



Splashproof mask

MATERIAL: PC
WEIGHT: 12 g (300 g total)
NO. OF CAVITIES: 12
SYSTEM: iSystem 16, 12 Valve gate injection points



Beaker

MATERIAL: PP
WEIGHT: 15 g
NO. OF CAVITIES: 16
SYSTEM: iSystem 12, 16 injection points



Covid19 Tester

MATERIAL: HDPE
WEIGHT: 3.8 g (15.2 g total)
THICKNESS: 1.2 mm
NO. OF CAVITIES: 4
SYSTEM: iSystem 12, 4 Valve gate injection points



Measuring spoon

MATERIAL: PP
WEIGHT: 4.5 g
NO. OF CAVITIES: 8
SYSTEM: iSystem 12, 8 injection points



Dosing cap

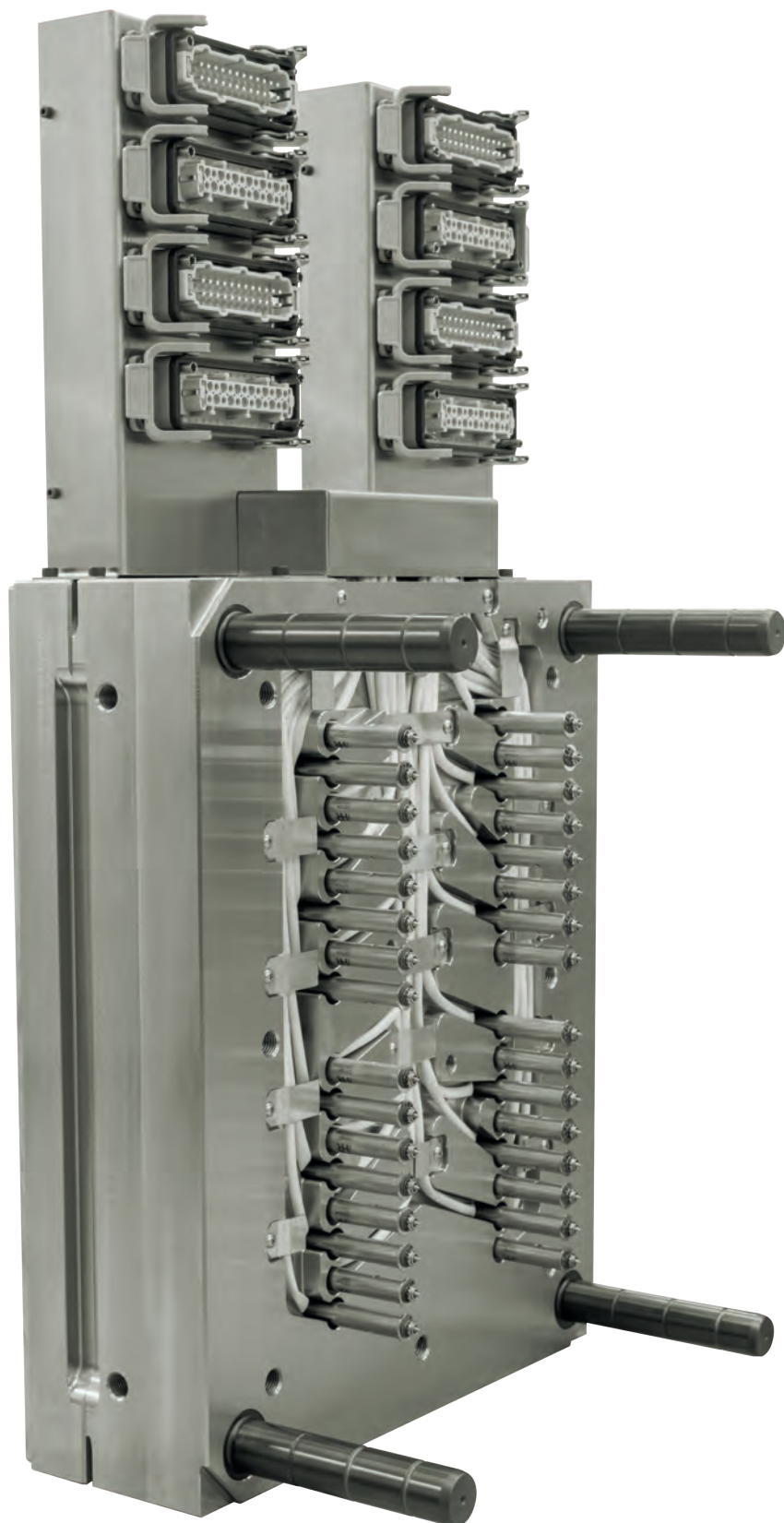
MATERIAL: PP
WEIGHT: 7.5 g
NO. OF CAVITIES: 4
SYSTEM: iSystem 12, 4 drops

A close-up photograph of a medical drip chamber and its associated tubing. The drip chamber is a clear plastic device with a green plastic clamp at the top. It is connected to a clear plastic tube that runs diagonally across the frame. The background is a dark, out-of-focus grey.

iHR
S O L U T I O N

MEDICAL

WE OFFER THE BEST SOLUTIONS
FOR THE MEDICAL SECTOR



Cap

MATERIAL: PVC Hard
NAKAN FMM 871 N
WEIGHT: 0.75 g (42 g total)
N° CAVITIES: 48
SYSTEM: iSystem 12, 12 points with Hot Half



IV hook

MATERIAL: PP
WEIGHT: 1.5 g (48 g total)
N° CAVITIES: 32
SYSTEM: iSystem 7, 32 points



Clamp

MATERIAL: PP
HP371P
WEIGHT: 1.04 g (33.28 g total)
THICKNESS: 1.70 mm
N° CAVITIES: 32
SYSTEM: iSystem 7, 32 points with Hot Half



Spacer

MATERIAL: PVC Soft
Nakan FMA 698 N
WEIGHT: 11 g (200 g total)
THICKNESS: 1.40 mm
N° CAVITIES: 8
SYSTEM: iSystem 12, 8 points with Hot Half

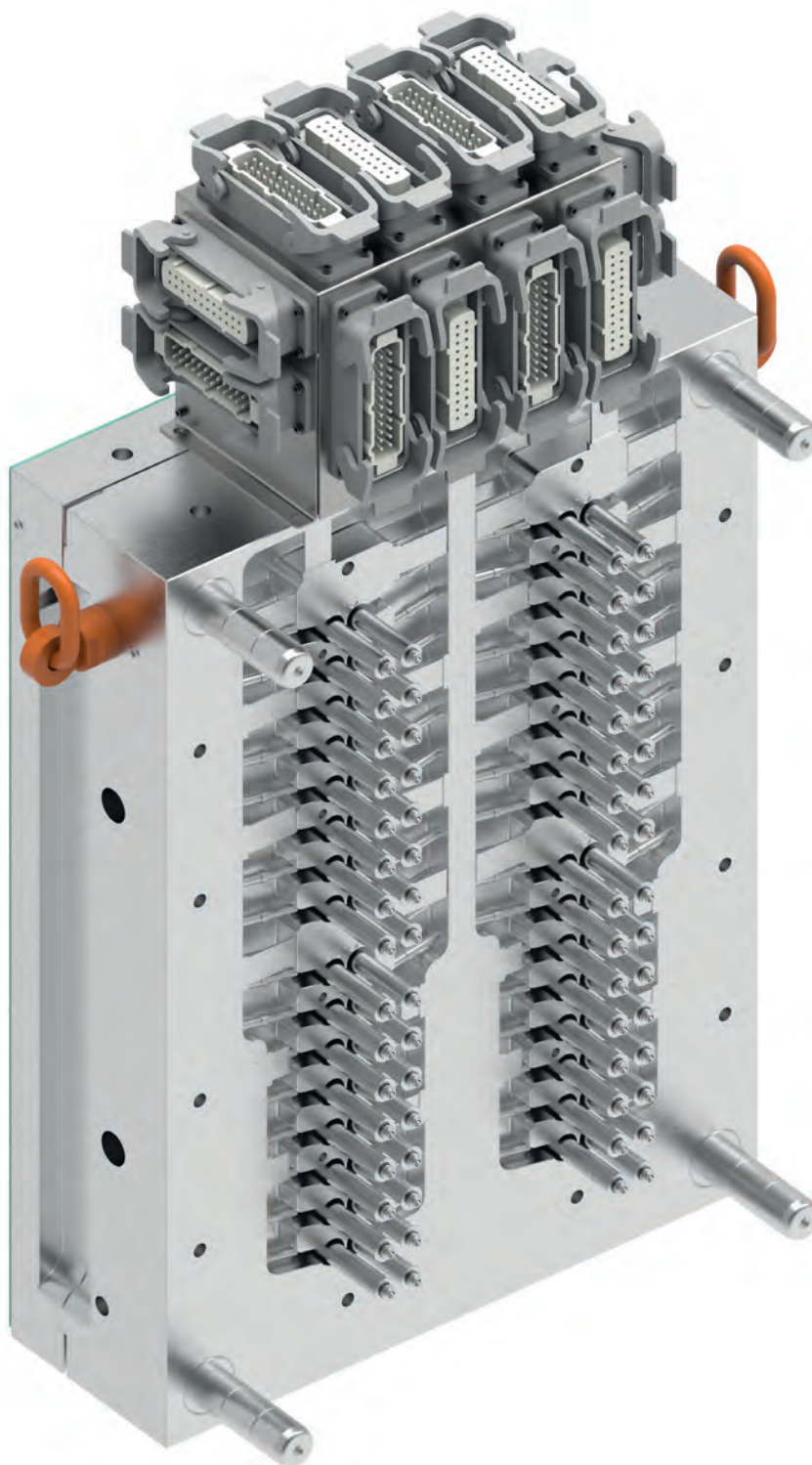


**FOOD
PACKAGING**

iHR's KNOW HOW AT THE
SERVICE OF FOOD PACKAGING
SECTOR

FOOD PACKAGING

iHR's KNOW HOW AT THE
SERVICE OF FOOD PACKAGING
SECTOR



Coffee capsules

MATERIAL: PLA
N° CAVITIES: 16
SYSTEM: iSystem 12, 16 valve-gate points
Hot Half



Tic-Tac Box

MATERIAL: PP
WEIGHT: 10 g
N° CAVITIES: 6
SYSTEM: iSystem 12, 6 points valve-gate



Pepper grinder

MATERIAL: PET - ABS
WEIGHT: 7.6 g
N° CAVITIES: 8
SYSTEM: iSystem 16, 8 points valve-gate



Spoon

MATERIAL: PP
N° CAVITIES: 64
SYSTEM: iSystem 7, 64 points Hot Half



Ice cream cup

MATERIAL: PLA
N° CAVITIES: 4
SYSTEM: iSystem 12, 4 points Hot Half



iHR
SOLUTION

PACKAGING

BOXES FOR GOODS AND FOOD TRANSPORT
iHR's know-how at the service of the packaging industry.



PACKAGING

**BOXES FOR GOODS
AND FOOD TRANSPORT**
iHR's know-how at the service of
the packaging industry.



Folding box

MATERIAL: PP
WEIGHT: 1600 g
SYSTEM: iSystem 16,
16 points Valve-gate with Hot Half



Box for fruit and vegetables

MATERIAL: PP
WEIGHT: 1283 g
SYSTEM: iSystem 16,
14 points Valve-gate with Hot Half



Big box

MATERIAL: PEHD
WEIGHT: 35000 g
NO. OF CAVITIES: 1
SYSTEM: iSystem 34, 8 points Valve-gate

**COLOUR
CHANGE**

QUICK AND EFFICIENT FOR
AN OPTIMIZED PRODUCTION

**COLOUR
CHANGE**

**QUICK AND EFFICIENT FOR
AN OPTIMIZED PRODUCTION**

iHR
S O L U T I O N



Spoon

MATERIAL: PP
NO. OF CAVITIES: 64
SYSTEM: iSystem7, 64 points Hot Half

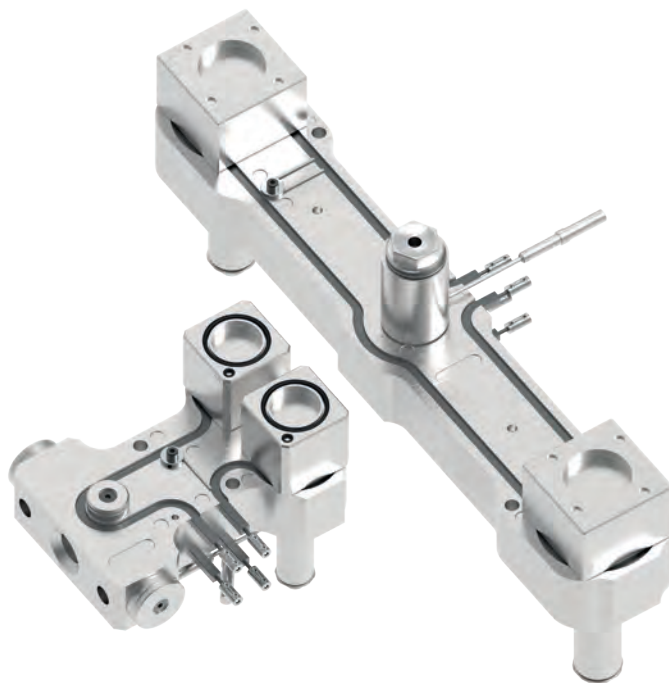


Coffee capsules

MATERIAL: PLA
NO. OF CAVITIES: 16
SYSTEM: iSystem12, 16 valve-gate points
Hot Half

HOUSEWARES

**INJECTION SYSTEMS THAT ENABLE THE PRODUCTION
OF THE BEST ITEMS FOR YOUR HOUSE**



Bi-color container

MATERIAL: PMMA
WEIGHT: 230 g
N° CAVITIES: 1
SYSTEM: iSystem 12, 4 valve gate
injection points



Small shovel

MATERIAL: PP + TPE
WEIGHT: 220 g + 14 g
N° CAVITIES: 2
SYSTEM: iSystem 16, 2 points +
iSystem 12, 2 points



Wipes dispenser

MATERIAL: PP
WEIGHT: 208 g
N° CAVITIES: 4
SYSTEM: iSystem 12, 12 injection points



Shovel

MATERIAL: PP + TPE
WEIGHT: 380 + 21 g
SYSTEM: iSystem 18, 2 injection points +
iSystem 16, 2 injection points



Food storage taper

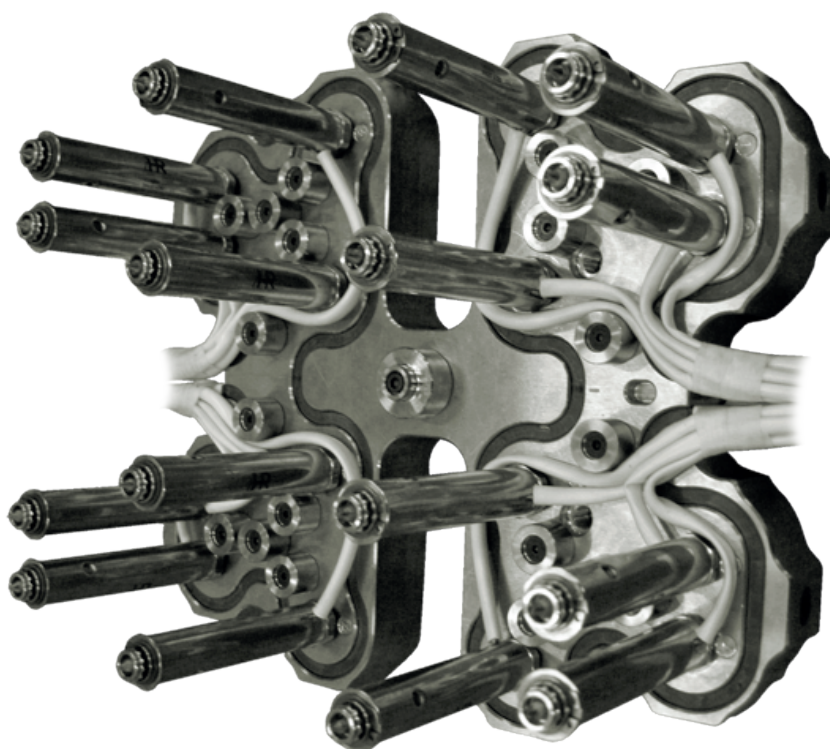
MATERIAL: PBT and TRITAN
WEIGHT: 115 g
N° CAVITIES: 4
SYSTEM: iSystem 16, 6 points



Broom head

MATERIAL: PP virgin (40%) +
PP recycled (60%)
WEIGHT: 148 g
N° CAVITIES: 2
SYSTEM: iSystem 34, 2 valve gate
injection points





Spacer ring

MATERIAL: PPS+40%GF
DIC.PPS FZ-1140-R5
WEIGHT: 4 g
NO. OF CAVITIES: 4
SYSTEM: iSystem 12, Valve-gate offset



Fan

MATERIAL: PP+30%GF
Hostacom PF062-3
WEIGHT: 98 g (196 g total)
NO. OF CAVITIES: 2
SYSTEM: iSystem 12, 3+3 points



Electrical box

MATERIAL: PP+30%GF + TPE
Hostacom PF062-3 + Kraiburg
WEIGHT: 16 g (PP)
NO. OF CAVITIES: 6
SYSTEM: iSystem 12, 8 points +
iSystem 7, 8 points



Panel

MATERIALE: PP (Thermylene P6-35FM) +
TPE (Kraiburg KTF5CGT_1)
WEIGHT: 420 g (PP) + 35 g (TPE)
NO. OF CAVITIES: 1
SYSTEM: iSystem 16, 4 points
+ iSystem 12, 6 points Valve-gate



Pump

MATERIAL: PP+30%GF
Armlen GF 30-5HS-901
WEIGHT: 4,8 g
SYSTEM: iSystem 12



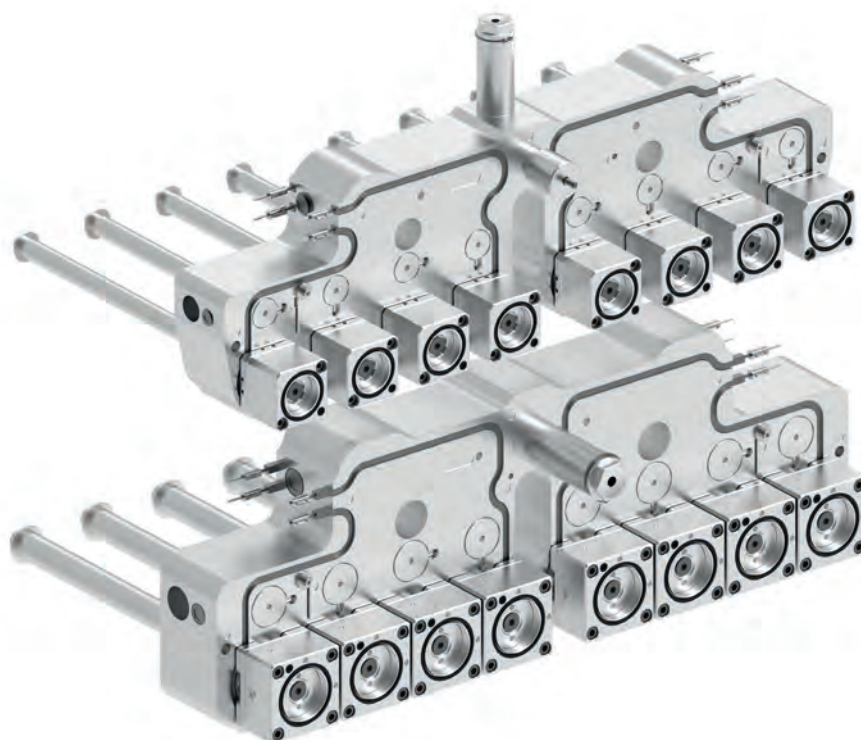
Gear

MATERIAL: PA6+30%GF
Durethan BM29XH2.0EF
WEIGHT: 304 g (608 g total)
NO. OF CAVITIES: 2
SYSTEM: iSystem 18, 2 points



BI-MATERIAL
INJECTION

BI-MATERIAL INJECTION



Electrical box

MATERIAL: PP+30%GF + TPE
HostacomPF062-3 + Kraiburg
WEIGHT: 16 g (PP)
NO. OF CAVITIES: 6
SYSTEM: iSystem 12, 8 points +
iSystem 7, 8 points



Belt module

MATERIAL: TPS/SEBS + POM/PBT
WEIGHT: 8 g + 13 g
NO. OF CAVITIES: 6
SYSTEM: iSystem 12, 8 points valve gate
+ iSystem 16, 8 points valve gate



Cap

MATERIAL: PP + TPE
WEIGHT : 100 g + 10 g
NO. OF CAVITIES: 1
SYSTEM: iSystem 16, Single nozzle +
iSystem 12, Offset valve gate



Panel

MATERIALE: PP (Thermylene P6-35FM) +
TPE (Kraiburg KTF5CGT_1)
WEIGHT: 420 g (PP) + 35 g (TPE)
NO. OF CAVITIES: 1
SYSTEM: iSystem 16, 4 points + iSystem
12, 6 points Valve-gate



Float

MATERIAL: PP + PP
WEIGHT : 123 g + 5 g
NO. OF CAVITIES: 2
SYSTEM: iSystem 16, 4 points + iSystem
12, 6 points

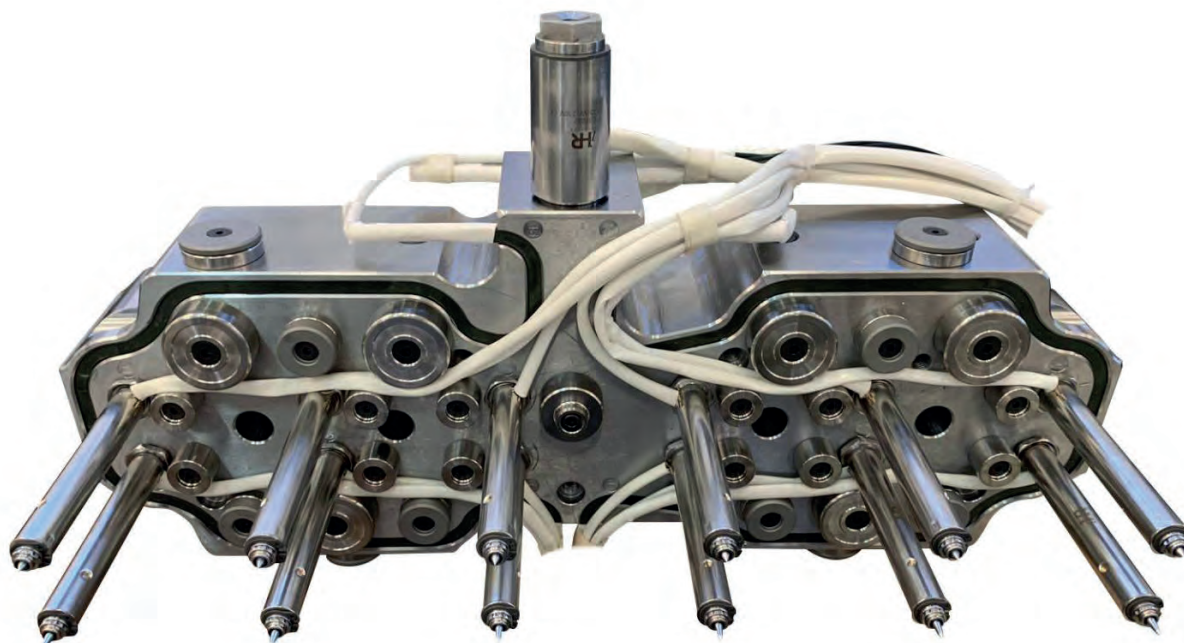


Filter

MATERIAL: PC + ABS
WEIGHT : 185 g + 30 g
NO. OF CAVITIES: 1
SYSTEM: iSystem 16, 2 points +
iSystem 12, 2 points

CAPS

CAPS FOR FOOD, MEDICAL AND COSMETIC SECTOR.



Flip-Top Bi-colour Cap

MATERIAL: PP
WEIGHT: 2 g + 3.5 g (33 g total)
N° CAVITIES: 6 + 6
SISTEMA: iSystem 7, 12 points direct injection



Vodka cap

MATERIAL: PET
WEIGHT: 18 g
N° CAVITIES: 32
SYSTEM: iSystem 12, 32 points valve-gate with Hot Half



Screwing cap

MATERIAL: LDPE
WEIGHT: 1.7 g
N° CAVITIES: 24
SYSTEM: iSystem 7, 24 points direct injection

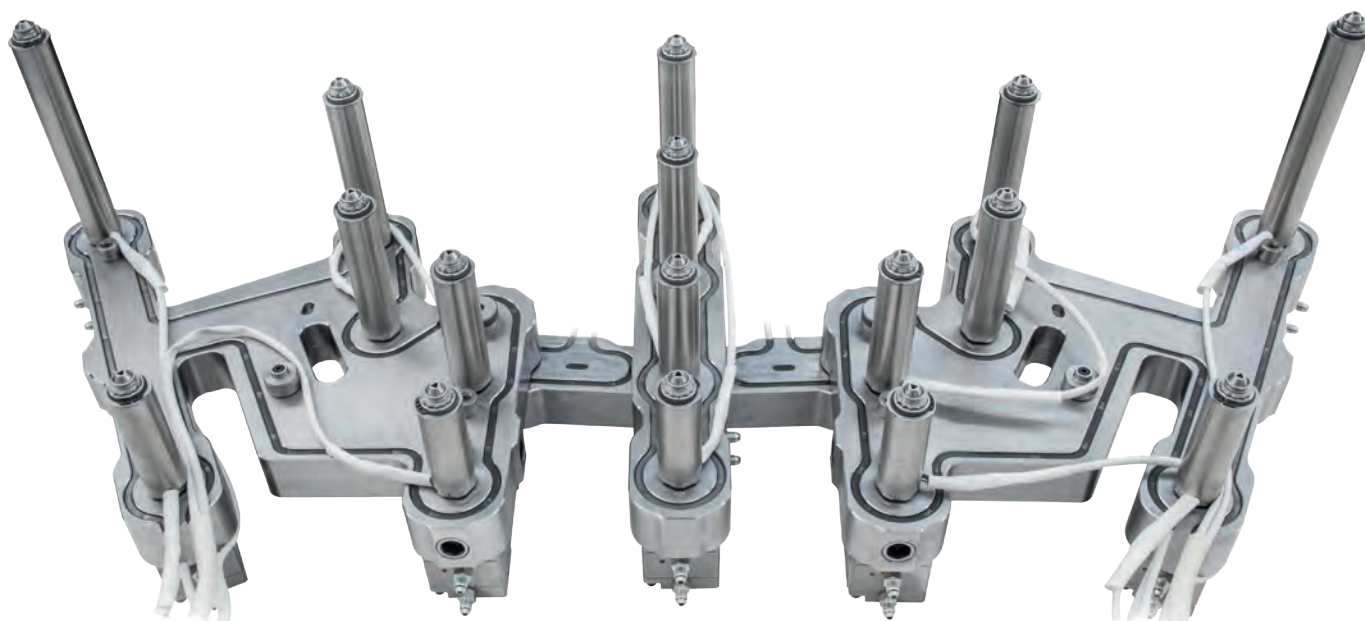


Cap Flip 24/410

MATERIAL: PP
WEIGHT: 1.2 g (19.2 g total)
DIMENSION: Ø18 x 19 mm
N° CAVITIES: 16
SYSTEM: iSystem 7 slim, 16 points direct injection

AUTOMOTIVE

We offer the best solutions for Automotive's sector.
EXTERIOR AND INTERIOR CAR DESIGN
OPTICAL GROUPS
TECHNICAL PARTS



Radiator Grille

MATERIAL: PC/ABS
Bayblend T45 PG
WEIGHT: 2500 g
NO. OF CAVITIES: 1
SYSTEM: iSystem18, 16 points Valve-gate



Light

MATERIAL: PC
TARFLON LC1700
WEIGHT: 125.50 g (250 g total)
NO. OF CAVITIES: 2
SYSTEM: iSystem16, 2 points Valve-gate



Crankcase

MATERIAL: PP + SEBS
POLIFOR 3 + Laprene 83FM00A70
WEIGHT: 20 g + 8 g
NO. OF CAVITIES: 1+1
SYSTEM: iSystem18, single nozzle +
iSystem12 4 points Valve-gate



Power windows

MATERIAL: PA6 + 40%GF
Grilon BG 40GF
WEIGHT: 18 g (288 g total)
NO. OF CAVITIES: 16
SYSTEM: iSystem16, 16 points Valve-gate



Mudguard

MATERIAL: PP + 40%GF
Basell Hostacom G4 R01
WEIGHT: 380 g
NO. OF CAVITIES: 1
SYSTEM: iSystem18, 1 point offset
Valve-gate



Footboard

MATERIAL: PA66 + 30%GF
Durethan AKV 30 H2.0 901510
WEIGHT: 2500 g
NO. OF CAVITIES: 1
SYSTEM: iSystem18, 4 points