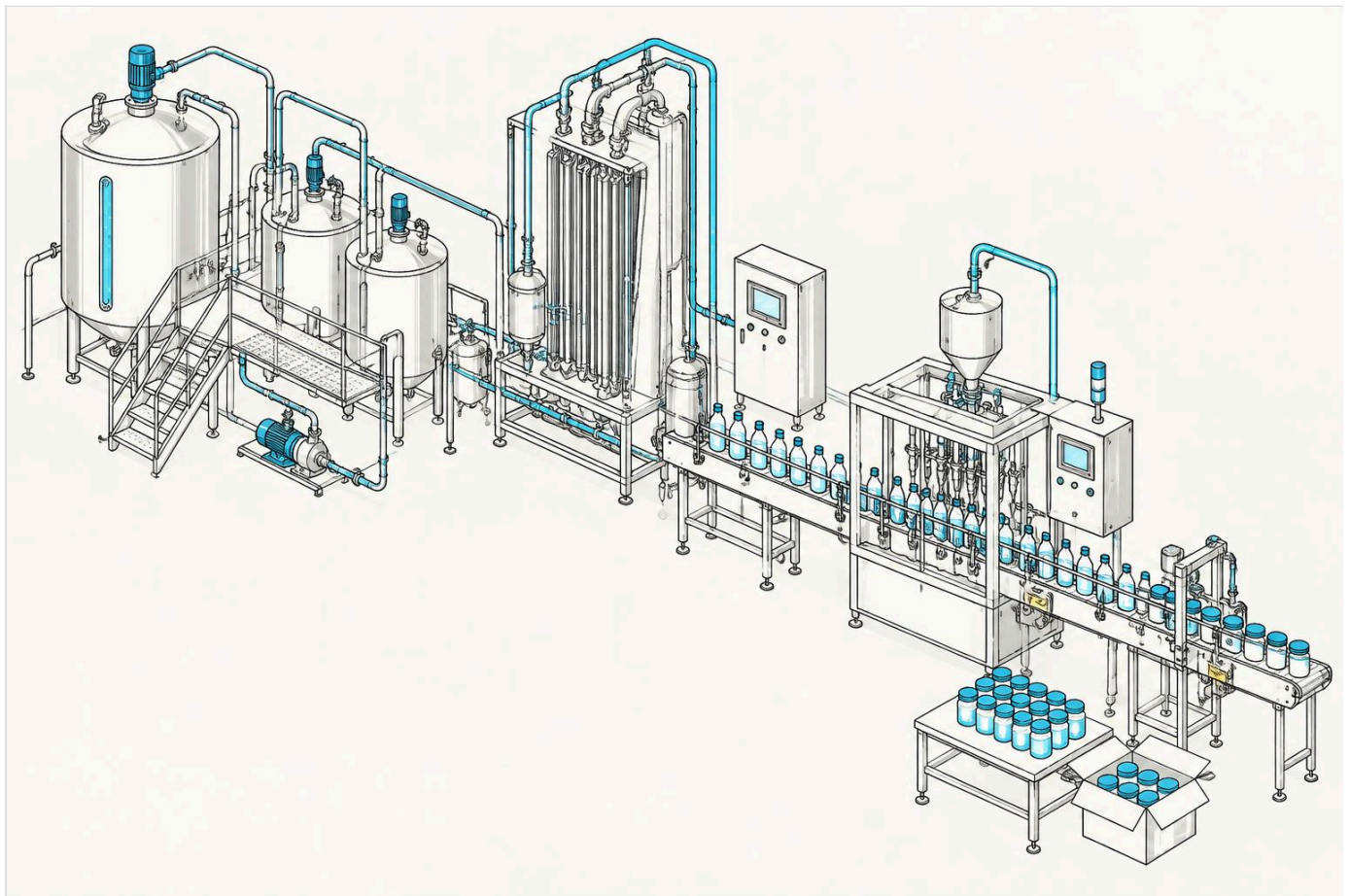


Product catalogue

Processing lines and packaging machines for food & beverage



Technical illustration, not a photograph of a real plant.

Indicative figures published on mcftechnology.group (MCF Project Studio™, turnkey scope, European cost base). Final price confirmed in the offer after the feasibility study. Worldwide delivery, installation and on-site service.

Request a quote: mcftechnology.group/en/quote

Processing line photographs

Images from the original MCF Technology brochure. The illustrated configurations do not define the scope of supply: see technical sheets and quotation.

Water bottling line — turnkey PET filling plant



Beer bottling line — PET, glass and can filling



Processing line photographs

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Spirits and liquor bottling line



Tomato processing plant — paste, pulp and passata lines



Processing line photographs

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Nut and cocoa spread production line



Dairy processing plant — milk, UHT and cheese lines



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Pomegranate juice processing plant



Tuna and fish canning plant



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Fruit juice processing and filling line



Pet food processing and filling line



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Soft drink bottling line — carbonated beverages



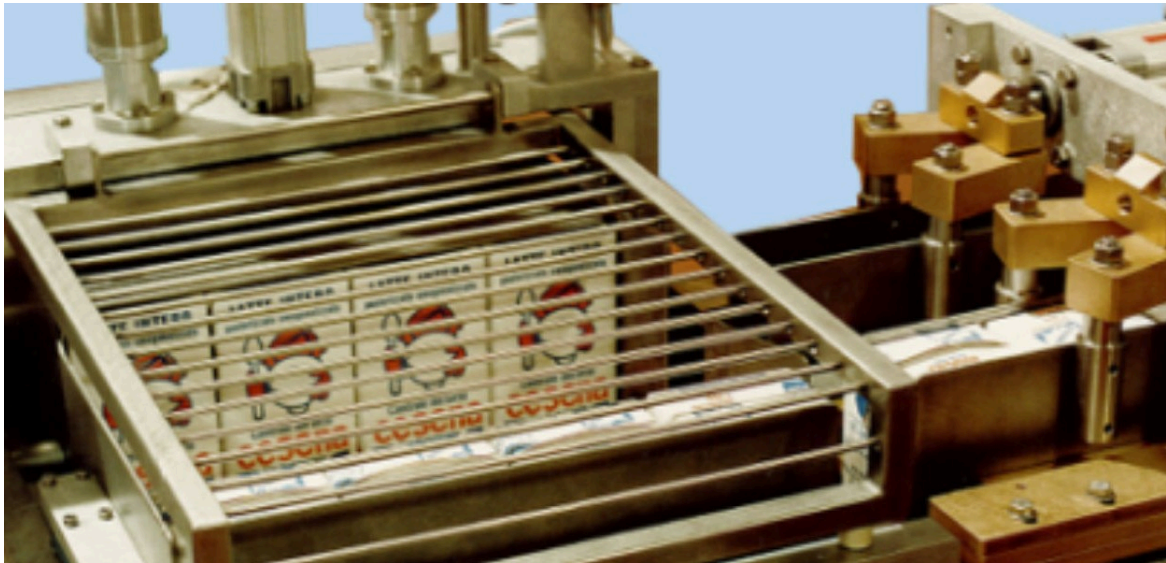
In vitro plantlet filling line



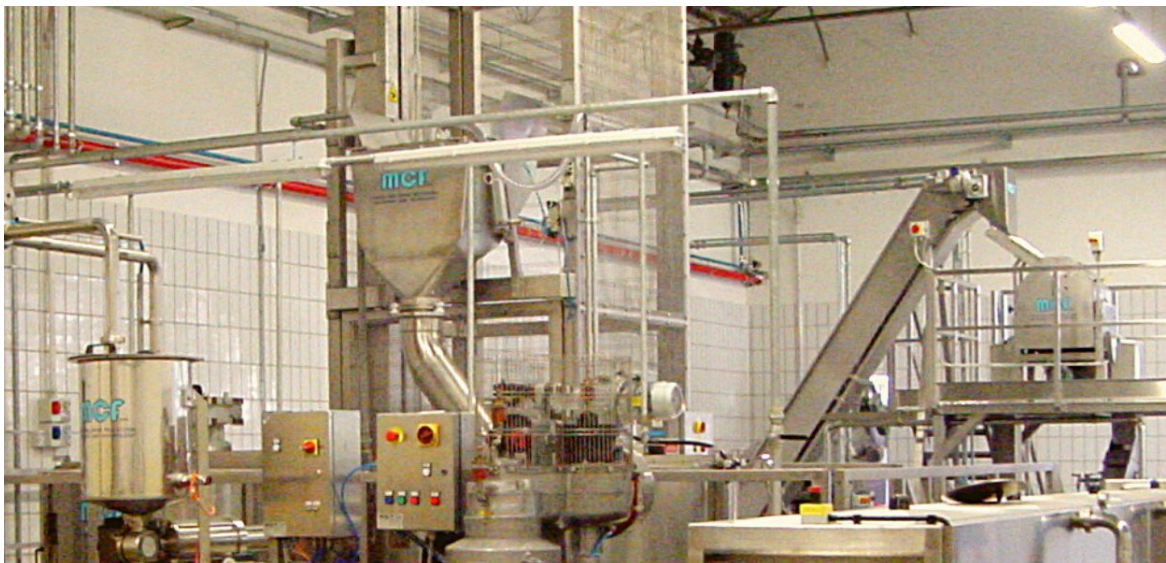
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Aseptic carton brick filling line



Jam and preserves production line



Processing lines



Water bottling line — turnkey PET filling plant

Complete still and mineral water bottling plant: treatment, PET blowing, rinsing, filling, capping, labelling and packaging supplied and commissioned by one team.

Capacity	Indicative CAPEX	Contract to start-up
9,000 bph	€2.7M – €3.6M	12 months
20,000 bph	€3.3M – €4.5M	13 months
37,000 bph	€4.3M – €5.7M	15 months



Beer bottling line — PET, glass and can filling

Turnkey brewery filling plant: process, carbonation, isobaric filling, pasteurising and multi-format packaging engineered as a single line.

Capacity	Indicative CAPEX	Contract to start-up
6,000 bph	€3.0M – €4.0M	12 months
13,000 bph	€3.5M – €4.6M	13 months
25,000 bph	€4.3M – €5.8M	15 months



Spirits and liquor bottling line

Bottling plant for liqueurs, bitters and distillates: preparation, high-accuracy volumetric filling, capping, capsuling, labelling and packaging.

Capacity data on request.



Tomato processing plant — paste, pulp and passata lines

Complete tomato lines: reception and washing, extraction, evaporation, sterilising and aseptic or jar filling, engineered for industrial season campaigns.

Capacity	Indicative CAPEX	Contract to start-up
15 t/h	€3.6M – €4.9M	12 months
40 t/h	€4.7M – €6.3M	15 months
75 t/h	€6.2M – €8.2M	15 months



Nut and cocoa spread production line

Plant for hazelnut, cocoa and nut spreads: refining, vacuum mixing, high-pressure homogenising, jar dosing and packaging as one continuous line.

Capacity data on request.



Dairy processing plant — milk, UHT and cheese lines

Complete dairy lines for fresh and UHT milk, yoghurt and cheese: reception, standardising, pasteurising, homogenising, cheese vats and filling.

Capacity	Indicative CAPEX	Contract to start-up
4 t/h	€3.4M – €4.5M	12 months
10 t/h	€4.0M – €5.3M	13 months
18 t/h	€4.8M – €6.4M	15 months



Pomegranate juice processing plant

Dedicated pomegranate line: gentle deseeding, pressing, clarifying, optional concentration, pasteurising and aseptic or bottle filling.

Capacity data on request.



Tuna and fish canning plant

Complete lines for canned or retort-pouch tuna and fish: reception, cooking, cleaning, dosing, liquid addition, seaming and sterilising.

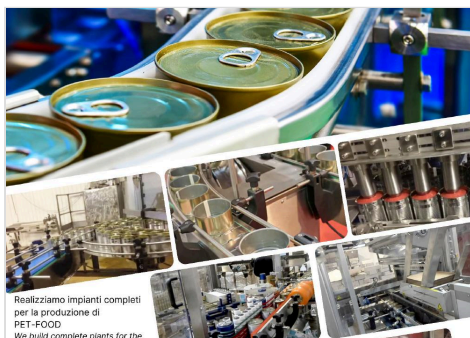
Capacity	Indicative CAPEX	Contract to start-up
3 t/h	€3.9M – €5.2M	12 months
7 t/h	€4.5M – €6.0M	13 months
12 t/h	€5.2M – €6.9M	15 months



Fruit juice processing and filling line

Plant for juices, nectars and fruit drinks: syrup preparation, blending, deaeration, pasteurising and aseptic or hot-fill packaging.

Capacity	Indicative CAPEX	Contract to start-up
6 t/h	€3.1M – €4.3M	12 months
13 t/h	€3.8M – €5.0M	13 months
25 t/h	€4.8M – €6.3M	15 months



Pet food processing and filling line

Plants for wet pet food: recipe preparation, dosing into cans, trays or retort pouches, seaming, sterilising and end-of-line packaging.

Capacity	Indicative CAPEX	Contract to start-up
3 t/h	€3.2M – €4.3M	11 months
8 t/h	€3.8M – €5.0M	13 months
15 t/h	€4.5M – €6.0M	15 months



Soft drink bottling line — carbonated beverages

Plant for carbonated soft drinks: syrup preparation, premix, carbonation, isobaric filling and multi-format end-of-line packaging.

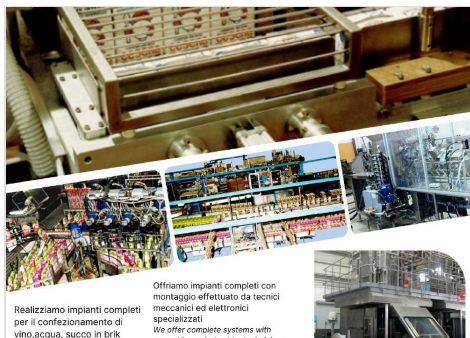
Capacity data on request.



In vitro plantlet filling line

Micropropagation plant: substrate preparation and dosing, sterile container filling, closing and handling inside a controlled environment.

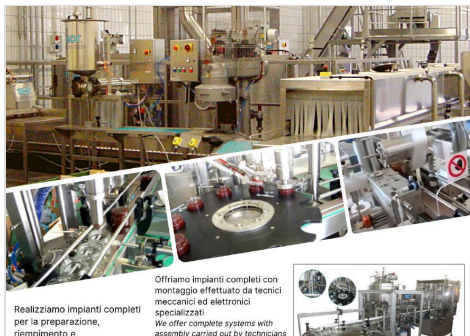
Capacity data on request.



Aseptic carton brick filling line

Brick carton plant: packaging material sterilising, forming, aseptic filling of milk, juices and beverages, straw applying and case packing.

Capacity data on request.



Jam and preserves production line

Plant for jams, marmalades and compotes: fruit preparation, vacuum cooking, hot jar dosing, capping, pasteurising and labelling.

Capacity	Indicative CAPEX	Contract to start-up
3 t/h	€2.8M – €3.8M	11 months
7 t/h	€3.2M – €4.3M	12 months
12 t/h	€3.7M – €5.0M	14 months



Automatic bag dosing and bagging systems

Solutions for bulk and granular products: weighing, dosing, bag filling and closing, automatic dispensers and end-of-line palletising.

Capacity data on request.



Industrial high pressure homogenizers

Homogenizers for milk, juices, creams and emulsions: particle size reduction, product stability and integration into existing processing lines.

Capacity data on request.

Packaging and end of line



Vertical VFFS baggers with multihead weigher

Forming, filling and sealing bags from reel film, dosed by a multihead or volumetric weigher. The reference setup for frozen food, nuts, fresh-cut vegetables, snacks and dry pasta, integrated downstream of MCF processing lines.

Typical products: Frozen and IQF, Nuts and pulses, Snacks and chips, Dry pasta, Salads and fresh-cut

Typical output	40–120 bags/min depending on format and product
Weight range	50 g – 5 kg
Weigher	10–16 heads, digital load cells
Seals	Pillow, gusseted, quad-seal, stand-up base
Film	Recyclable mono-material, barrier laminates, compostable

Auger fillers for powders

Servo-driven auger filling for powders, flours, milk powder, cocoa, ground spices and protein blends. Auger plus checkweigher reduces give-away and limits dust in the room.

Typical products: Flours and semolina, Milk powder, Cocoa and ground coffee, Spices, Supplements and proteins

Dose range	5 g – 5,000 g
Typical accuracy	±0.5–1% depending on product flowability
Augers	Tool-free interchangeable sets, removable for washing
Hopper agitator	Paddle or ribbon, independent speed
Extraction	Ready for dust filter and seal on bag neck



Rotary fillers for premade pouches (doypack)

A rotary gripper carousel picks the premade pouch, opens, fills and seals it. Suited to high-perceived-value products where the printed pouch is part of shelf positioning: nuts, organic products, sauces and purées.

Typical products: Premium nuts, Sauces and purées, Coffee beans, Pet food, Organic products

Typical output	30–80 pouches/min depending on stations
Stations	6, 8, 10 or 12 grippers
Pouch sizes	Width 80–250 mm, height 100–350 mm
Dosers	Auger, volumetric, liquid pump, weigher
Closures	Zip, spout, easy-open, coffee valve



Multilane stick packs and sachets

Multilane machines for single-serve powders, granules and liquids: sugar, instant coffee, supplements, rehydration salts, sauces. Lanes run in parallel with independent dosers, so one lane under maintenance does not stop production.

Typical products: Sugar and sweeteners, Instant coffee, Powdered supplements, Single-serve sauces, Salts and mixes

Lanes	4, 6, 8, 10 or 12
Typical output	60–90 cycles/min per lane
Dose range	1 g – 60 g (powders), 2 – 50 ml (liquids)
Stick sizes	Width 20–70 mm, length 40–160 mm
Sealing	Continuous longitudinal, transverse heated jaws



Horizontal flow-pack wrappers (HFFS)

Horizontal wrapping of solid products, bread, bakery goods, trays, bars and cut produce. The infeed belt can be loaded by hand or by an automatic gripper or delta robot system.

Typical products: Bakery products, Bars and snacks, Cut fruit and vegetables, Trays, Portioned cheese

Typical output	80–250 pieces/min depending on pack length
Product size	Width 20–250 mm, height 5–120 mm
Servo axes	3–5 independent synchronised axes
Sealing	Rotary or box motion, longitudinal sealing wheels
Options	MAP, tear notch, in-line date coding

Fillers for jars, cans and bottles

Volumetric or weight filling of liquid, dense and chunky products in glass, tinplate or PET, with twist-off capping, screw capping or seaming, followed by a pasteurising tunnel.

Typical products: Purées and sauces, Jams and spreads, Pulses in brine, Honey, Juices and drinks

Typical output	1,500–12,000 pieces/h depending on format
Containers	Glass, tinplate, PET from 106 ml to 5,000 ml
Filling	Piston volumetric, weight, level or net weight
Closing	Twist-off, can seamer, screw capper
Heat treatment	Pasteurising tunnel or retort downstream

Frozen and IQF packaging

Packaging downstream of IQF tunnels: vibrating conveying, low-temperature multihead weighing, vertical bagging and end-of-line in the cold room. Materials and components chosen for condensation, frost and frequent washdowns.

Typical products: IQF vegetables, Frozen fruit, Potatoes and fries, Seafood, Frozen ready meals

Operating temperature	–25 °C to +5 °C in the packing area
Typical output	1,000–8,000 kg/h at line infeed
Conveying	AISI 304/316 vibrating channels with removable sides
Weighing	Cold-version multihead with anti-condensation heating
Formats	Bags 250 g – 2.5 kg, industrial sacks up to 15 kg

End of line: case packing, palletising and wrapping

Case erecting, wrap-around or top-load case packing, closing, coding, robotic palletising and stretch wrapping. The end of line completes the integrated MCF line and sets the staff actually needed per shift.

Typical products: Cartons and cases, Plastic crates, EPAL and industrial pallets, Display units

Case packers	10–40 cases/min depending on format and pattern
Palletisers	Articulated or Cartesian robot, 8–25 cycles/min
Robot payload	50–250 kg at wrist, vacuum or fork gripper
Pallet height	up to 2,400 mm including pallet
Wrappers	Turntable or rotary arm, with top sheet

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