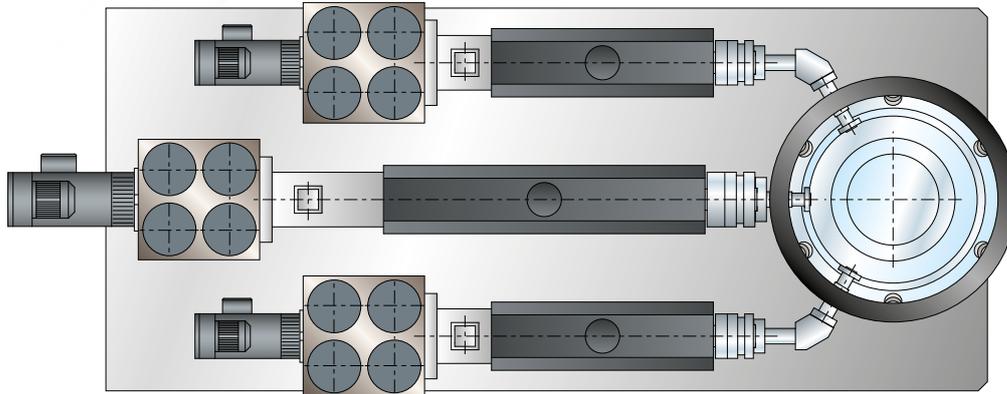


Coex Flex 3

Technical Data Sheet



Macchi S.p.A



Extruders screw sizes	Die range (mm)
45 - 55 - 45	150 - 250 no IBC
55 - 65 - 55	150 - 250
55 - 65 - 55	180 - 400
55 - 80 - 55	180 - 400
65 - 80 - 65	180 - 400
65 - 90 - 65	180 - 400
65 - 90 - 65	350 - 550
65 - 105 - 65	350 - 550
80 - 105 - 80	350 - 550
80 - 105 - 80	400 - 600
80 - 105 - 80	600 - 800
80 - 120 - 80	400 - 600
80 - 120 - 80	600 - 800
90 - 120 - 90	400 - 600
90 - 120 - 90	600 - 800

Coex flex 3 coextrusion platforms

The original concept stems from the market request to have an easy replacement of an obsolete monolayer extruder and transforming it into a fresh co-extrusion system, totally performance oriented, while limiting the cost of the investment.

Macchi's Coex Flex compact extrusion systems are pre-set units equipped with three extruders, three layer IBC die, melt lines, hydraulic screenchangers, wiring, piping and all required peripherals. Manufacturing quality standards are the same as used in all Macchi products.

The coextrusion components are assembled on a custom platform resulting in a compact unit that can be easily loaded on a truck or into a container. Furthermore, thanks to factory pre-alignments and built-in leveling pads, they are easy to install.

- Extruders with barrier screw for LD/LLD/EVA/mLLD/PP/PA/MDPE/HDPE equipped with wear resistant threads and bimetallic barrels
- Extruder heating system with ceramic elements enabling up to 20% energy savings
- Siemens A/C motors, air or water cooled, granting low energy consumption, minimum maintenance and greater quality control
- Macchi hydraulic movement screenchangers with big size net for minimal allowable polymer volume and streamlined flow paths in order to avoid clogging and to facilitate material change over operations.
- The dies used in the Coex Flex platforms feature a streamlined, short path design, having a reduced polymer load, featuring minimum residence time and fast, easy flushing for quick production change-overs.
- The IBC system on board is digitally controlled and completely independent from the heated components of the line to avoid interference with gauge variation
- Blower box filtered and insulated for cooling ring and IBC air distribution. All motors are inverter controlled
- Control board with incorporated air conditioning system

Since the Coexflex unit can be considered a completely stand-alone system, the full range of accessories (such as gravimetric resin feeding or automatic film gauging system) can be operated by the latest generation of the Macchi EasyControl 4 profinet supervisory man-machine interfaces.