



Advanced Compounding and Extrusion Systems

ONE CO-ROTATING HEART
IS BEATING IN OUR SYSTEMS



CO-ROTATING TWIN
SCREW EXTRUDERS

COMPOUNDING

ADVANCED
RECYCLING

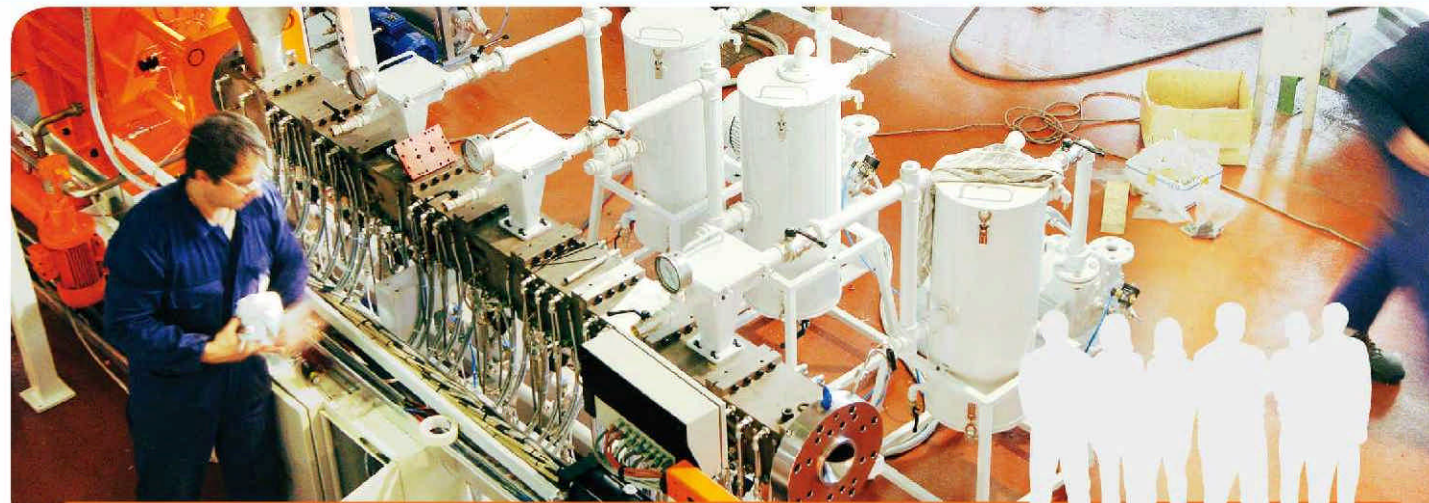
NATURAL FIBERS

DIRECT EXTRUSION

LAB SYSTEM

LAB SYSTEM

COMPOUNDING SOLUTION
FOR LABORATORY



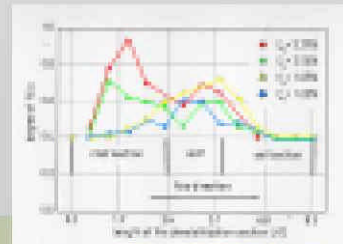
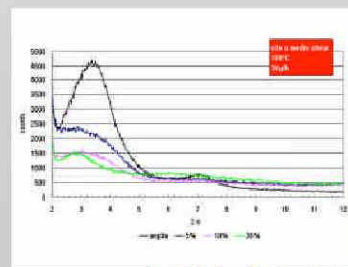
LAB SOLUTION

LAB SCALE UNITS FOR COMPOUNDING and EXTRUSION/ COMPOUNDING SYSTEM

We think that an idea is always a starting point for a new development and if you want to develop a new process, products or simply win new customers you need a reliable lab system.

We do not see a lab system as just a small system but as a strategic investment for your company!

These Lab systems are available either for Compounding and Extrusion/Compounding processes (sheet, foil, pipes, profiles)



WHO SHOULD BUY ? (and why should buy)

Companies studying new processes or/and upgrading an existing formulation before going into production. Also ideal for producing small batches.

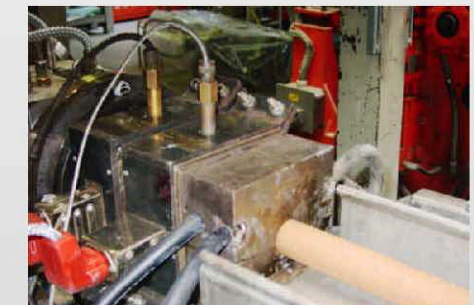
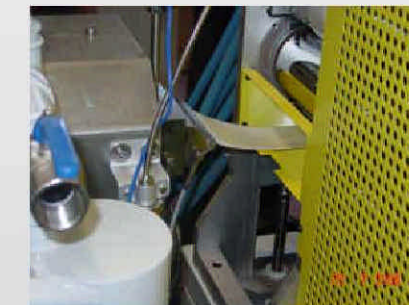
ADVANTAGES

The ICMA lab scale co-rotating extruder can be an important addition to any operation and can help:

- Minimize operational risks of new formulation before going into production.
- Minimize time to market and "payback" time of new developments.
- Minimize risks related to "intellectual property" compared to external development.
- Improve ROI by decreasing the risks, costs and time of new developments.

		MCM 18 HT	MCM 25 HT	MCM 30 HT
Screws diameter	mm	18	25	30
Max. screws speed	rpm	1200	1200	1200
Motor power	kW	8,5	22,5	45
Torque per shaft	Nm	34	90	180
Average capacity	Kg/h	5÷40	10÷80	40÷150

DOWN STREAM SOLUTION FOR GRANULES - FOIL - SHEET - PROFILE - PIPE



- ICMA's Lab systems are perfectly equipped for use as development units with the same process engineering features and equipment applied to production scale extrusion lines in order to ensure reliable and safe scale-up. These units are extremely compact and user-friendly.
- Modular screws of the co-rotating extruder with several geometries and different barrel designs are combined with a wide range of ancillary equipment to deliver maximum flexibility.





CUSTOMER SUPPORT



HELP DESK

Our goal is to keep customers operating at peak efficiency. Our service team operates our HELP DESK 16 hours/day.

TRAINING SERVICE

Over our forty years experience in the compounding industry and a continuous R&D activity, we have developed a unique technical & process knowledge.

We condensed such knowledge in training seminars on co-rotating technology.

Our seminars extend beyond basic operations to processing knowledge that can make a difference in a competitive marketplace.



SPARE PARTS SERVICE

We offer a deep inventory of the most important extruder parts for rapid, "off the shelf" delivery. We provide in-house support and manufacturing capability for screws elements, barrels sections and other important mechanical components to help guarantee quality control.



R & D / LAB SUPPORT

Our experienced laboratory personnel and versatile equipment help customers solve a variety of research and development challenges, including both pilot and pre-production testing.

Our lab facility includes a pilot line with a twin-screw co-rotating extruder MCM/25HT for running preliminary suitability and processing tests on a variety of materials and compounds.

Second-phase pre-production testing is performed on our industrial extrusion lines. The line are, equipped with a full-sized twin-screw co-rotating extruder MCM/60HT and MCM/42HP suitable for verification of specific production parameters on extruded pellets or flat sheets or laminated in-line sheets or profile, with a combination of different materials.



Advanced Compounding and Extrusion Systems

ICMA SAN GIORGIO S.p.A.

Via Madonnina, 75 - 20010 San Giorgio su Legnano - MI - ITALY

Tel. +39 0331 407 004 - Fax +39 0331 405 507 - sales@icmasg.it