INNOVATION FROM EXPERIENCE
since 1946 we are your partners in mixing rooms
POMINI RUBBER & PLASTICS

Established in 1886, POMINI Rubber & Plastics, is a heavy machinery manufacturing company. It is located in Castellanza, between Milano and Varese, in the north of Italy. Since 1988, Techint Group took over POMINI and Rubber & Plastics Business Unit was a part of Machinery & Equipment Division. On 6th April 2007, Rubber & Plastics BU became an independent Company, named POMINI Rubber & Plastics Srl, part of Possehl Group. The range of manufactured machines includes equipment for the Mixing Rooms of Rubber and Plastic industries (mixers and mixing lines for the production of tyres, rubber technical goods and for compounding and pelleting of plastics). The services that POMINI Rubber & Plastics can offer range from the supply of individual machines to that of complete production lines, including the complete engineering and supply of all equipment together with start-up and process know-how. POMINI Rubber & Plastics equipment is manufactured using the most advanced manufacturing technology, using highly automated computer numerical control machine tools and sophisticated quality control equipment.

POMINI Rubber & Plastics design and supply technologically advanced machines for rubber and plastics industry, on the basis of more than 100 years of experience in heavy mechanics.

POLYMER PROCESSING CENTER

Established in 1963, the Centre is equipped with the most advanced equipments: fully automated internal mixers (both batch and continuous machines), post mixing equipments, flow visualization devices, laboratory testing apparatus. Main targets of the Polymer Processing Centre are:
- Research and Development: one key factor of today’s business is the continuous improvements of machinery and process;
- Customer’s test trials: full time researchers and operators are available to tests the performances of POMINI’s machines on specific recipes;
- Industrial test run: the Centre is equipped with some industrial size equipments, so it is possible to produce small production lots.
RESEARCH & DEVELOPMENT

Thanks to its total commitment to quality and innovation, POMINI Rubber & Plastics devote great attention to R&D both in terms of new equipment design and continuous optimization of products lines. A team of skilled and professional engineers develops new machines suitable to process a large variety of rubber and plastics compounds. New mechanical and technological developments are deeply evaluated in the Polymer Processing Center before being presented to Customers.

SERVICE

The products that POMINI Rubber & Plastics offer range from supply of individual machines to supply of complete production lines, including design and supply of all equipment as well as start-up and process know-how. However, we POMINI Rubber & Plastics are strongly convinced that, today, a supplier of machinery must also be a supplier of services for his products. For this reason POMINI’s staff is continuously developing and improving a full range of services as:

Spare parts: assist the Customer with fast feedback on availability of spare parts, to quickly get materials in case of emergencies, to share costs on strategic spare parts with agreements for immediate availability. Specialized engineers suggest solutions for improving existing equipment, keeping in all cases full interchangeability between old and newly improved parts.

Repairs and Remanufacturing: repairs are carried out with the greatest care by experienced personnel both on field and at POMINI Rubber & Plastics premises. Rebuilding is made in accordance to the manufacturer’s original specification and standard dimensions.

Technical assistance: the whole technical staff is ready to support Customers in the best problem solving procedures. Deeply trained field engineers are available to operate on mechanical, electrical and automation matters worldwide. Maintenance agreements allows POMINI Rubber & Plastics Customers to transfer the maintenance of machinery on field directly to the original supplier.

Technical assistance: on the basis of almost 60 years of experience, POMINI Rubber & Plastics technologists can support Customers in production optimization, to enhance and accelerate the return on investment for capital equipment.

On line assistance: thanks to new technologies, assistance is even faster. Teleservice for automation packages, e-mail direct contacts and a fully integrated operation management system are just few examples of new tools available.
VIC
VIC - Variable Intermeshing Clearance – has been patented and manufactured by POMINI since 1987. POMINI’s VIC combines all the advantages of both open roll mill (quality) and internal mixer (productivity) in only one machine. Thanks to a variable distance between rotors (adjustable before and during mixing cycle), VIC is the most flexible mixer available on the market nowadays. The technologist has one more processing variable that allows the optimization of all phases of mixing cycle (raw materials intake, incorporation/wetting, dispersion, distribution, plasticization, discharge).

NPX
NPX (New Pomini miXer) is the result of an over 60 years experience in batch mixer’s design and manufacturing’s optimization. Its design fully satisfies Customers’ expectations, in particular an easier maintenance and a longer life of the equipment. Standard 2Wing and 4Wing rotors are available as well as new HDM and NTT patented rotors: these “geometries” have been studied to maximize both compounds’ quality (dispersion and distribution) and productivity.
TDE
TDE (Twin Dump Extruder) has been designed and optimized to guarantee no compounds contamination and a faster feeding to the batch-off, combined with an excellent heat exchange behaviour. Its target is to “transform” the batch discharged from the internal mixer in a continuous sheet without any temperature increase. TDE is suitable for all compounds, and for all mixing stages (masterbatch, remill, final).

LCM
The Long Continuous Mixer, since 1985, competes with the quality level of products obtained by discontinuous internal mixers. It overcomes both processing limitations of traditional short continuous mixers as well as mechanical limitations of twin screw extruders. Its patented principle of operation allows continuous production of products with outstanding dispersion even at high capacity.
The Compact Compounder is a complete “prepackaged” unit for compound and masterbatch production. This “package”, including the LCM and a single screw extruder with pelletizing or strand head, is designed to have a compact and versatile unit. Installation is simple and floor space is not greater than a single stage machine.

The TCC is designed to combine the advantages of counter rotating, non intermeshing, two-stage continuous mixers with those of gear melt pumps for pumping and pelletizing. The TCC offers higher productivity and versatility, lower energy consumption and vacuum degassing capabilities when compared to two stage mixers and heavier duty design and simplified construction when compared to twin screw extruders.
**LCM-AX**

The LCM-AX is a positive pumping, continuous mixer equipped with a pair of co-rotating, closely intermeshing screws. It combines the high modularity of barrel and screws, typical of a twin screw, with the high versatility and efficiency of the LCM. The LCM-AX screw profile is the same for several applications: from polymer blends to masterbatches and filled, hyper-filled and reinforced compounds.

**PELLETIZERS**

Underwater pelletizing heads for a wide range of polymers at high output rates. Water ring pelletizing heads for various compounds and masterbatches. Dry face pelletizing heads for water sensitive compounds.
That’s why I choose Pomini