MIXING EQUIPMENTS AND SERVICES FOR PVC
DRY-BLEND, POWDER COATINGS, MASTER BATCH AND WPC
WHO WE ARE

YOUR PARTNER IN MIXING since 1967

PVC mixing
Powder coatings
Master batch and pigments
Other applications
Laboratory mixers
Wood plastic composites
WHO WE ARE

- In house production of every single mechanical and electronic item
- Standard and custom engineering and design to meet the varied processing requirements
WHO WE ARE

5,600 Machines working worldwide

2,159 TRM
1,104 HEC
420 TRR sold since 1995

49 years of experience
90% export worldwide
80 people employees
14 mio € turnover 2014

3 mio € value spare parts warehouse
- **Development** of new methods of processing different kinds of materials
- **Research** to ensure a competitive edge in plastics processing
- Whole range of mixing machinery to **test customers’ products**
■ Listening

■ Analysis and study
  ■ Engineering and design
  ➔ Team of 15 people | 3D software

■ 100% satisfaction
MANUFACTURING

IN HOUSE MANUFACTURING IS A MATTER OF FACT

IN HOUSE MANUFACTURING MEANS

Highest quality

Maximum control

Top flexibility

Experienced team
A SKILLED TEAM OF 46 PEOPLE TAKES OF ALL MANUFACTURING PROCESS

Carpentry and turning dept
Welding dept with automatic welding machines
Polishing dept with fully robotized stations for mixing blades mirror polishing
Assembly dept
Electrical dept for the construction of electric switchboards with Siemens and ABB components

Carpentry
Welding dept
Polishing dept
Assembly dept
Electrical dept
SERVICE & SPARE PARTS

WE VALUE OUR RELATIONSHIP

A dedicated team of 14 people is at your disposal for:

- Technical training
- Maintenance programs
- On site and tele service
- Revamping

‘Spare Parts Special’ to be promptly updated about the order status — daily email notifications from approval to delivery

A dedicated warehouse to be timely
PRODUCTION RANGE

MIXING PLANTS WITH NO LIMITS TO YOUR IMAGINATION

CUSTOMIZED MACHINES AND TARGETED ADVICE FOR THE MOST VARIED INDUSTRIES AND APPLICATIONS
MAIN PRODUCTION LINES

PVC mixing systems

Powder coatings

Master batch and pigments

Other applications

Laboratory mixers

Wood plastic composites
MAIN PRODUCTION LINES - PVC MIXING SYSTEMS

PVC MIXING SYSTEMS

HC COMBIMIX TRM + HEC

RV COMBIMIX TRM + RFV

RO COMBIMIX TRM + RFO
TRM HEATING MIXERS

TRM HEATING MIXERS are used for

RIGID and SOFT PVC MIXING powder coatings, master batch, WPC and special applications

- TRM heating mixers are the ideal solution in the transformation industry when good quality thermoplastic material must be combined with high hourly throughput

- The vessel lid can be supplied in different configurations; the internal surfaces are in stainless steel; the closure plug, is operated by a pneumatic cylinder and is adapted to fit the internal shape of the vessel

- Accessories and optional are available
MAIN PRODUCTION LINES - PVC MIXING SYSTEMS

HC - HIGH EFFICIENCY COOLING COMBINATION

HORIZONTAL COOLER COMBINATION – HC COMBIMIX is the combination of the heating mixer TRM and the high performance horizontal cooler HEC

PVC mixer COMBIMIX-RV is the combination of the heating mixer TRM and the vertical cooler RFV. The RFV range of coolers used for this combination is the ideal solution to combine the requirements of restricted spaces and easy cleaning.

COMBIMIX-RO

COMBIMIX-RO is the combination of the heating mixer TRM and the horizontal cooler RFO. It is used for those applications where the mixing process has a higher dry-blend final temperature.
MAIN PRODUCTION LINES - POWDER COATINGS

POWDER COATINGS

Pre Mixing
CONTAINER MIXERS TRR

Metallic Bonding
TRR/B CONTAINER MIXER
COMBIBOND HC/B

Metallic Blending
CONTAINER MIXERS TRR
**MAIN PRODUCTION LINES - POWDER COATINGS**

**PRE MIXING**

**CONTAINER MIXERS TRR**

- **Cold mixing of polymers** in powder or granular form with pigments, fillers, and additives
- **Concentrated master batches**
- **Powder coatings**
- **Pre-mixing of all kind of powders**

- The **TRR serie** of mixers is the ideal alternative to traditional turbomixers when production conditions require high levels of flexibility and involve a wide range of different products to be mixed with the same machine.
- Mixing head and container hopper are divided in two distinct and separate parts, so cleaning times are reduced to a minimum.
- Different configuration with same or independent speed of the blades or high power version.
- Storage and transport of the mixtures is also facilitated by direct use of the same container.
- Accessories and optional are available.
MAIN PRODUCTION LINES - POWDER COATINGS

METALLIC BONDING

TRR/B CONTAINER MIXER

TRR/B model is the most robust, reliable and simple system for the Powder Coating Pre-mixing process.

COMBIBOND HC/B

This mixing plant is the combination of the TURBOMIXER TRM and a cooling mixer to achieve the bonding process.

This technology offers an excellent metallic bonding effect by a simple and safe process, taking account of the risk of any blast of aluminum pigment by inerting bonding chamber using a controlled nitrogen atmosphere.

METALLIC BLENDING

CONTAINER MIXERS TRR

The TRR serie of mixers is the ideal alternative to traditional turbomixers when production conditions require high levels of flexibility and involve a wide range of different products to be mixed with the same machine.
MAIN PRODUCTION LINES – MASTER BATCH AND PIGMENTS MIXING

MASTER BATCH AND PIGMENTS

TRR-Container Mixers

TRM-High speed Mixer

TRA-Vertical Mixer
MAIN PRODUCTION LINES — MASTER BATCH AND PIGMENTS MIXING

CONTAINER MIXERS
TRR
Cold mixing of polymers in powder or granular form with pigments fillers and additives
Concentrated master batches
Powder coatings
Pre-mixing of all kind of powders

TRM HEATING MIXERS
RIGID AND SOFT PVC MIXING
MIXING RIGID OR PLASTICIZED PVC dry-blend obtained from polymers in suspension, emulsions or mass

TRA VERTICAL MIXER
Cool batch preparation of master batch materials with excellent pigment and additive dispersion characteristics.
Preparation of suspension or emulsion batch mixes, usually PVC based.
Pigmentation and intensive mixing of other thermoplastics, e.g. PE, PP, ABS, etc.
MAIN PRODUCTION LINES - WOOD PLASTIC COMPOSITES (WPC)

WOOD PLASTIC COMPOSITES (WPC)

COMBIWOOD HC

COMBIWOOD RV

HEATING MIXER TRM + COOLING MIXER HEC

HEATING MIXER TRM + COOLING MIXER RFV

Possibility of utilizing natural fiber with moisture content up to 15%

Agglomerate with a residual moisture less than 0.2%

Product Dust Free

Easily processable in extruder
MAIN PRODUCTION LINES - OTHER APPLICATIONS

THERMOPLASTIC
TURBOMIXER TRG

RIBBON BLENDER
HORIZONTAL BLENDER HEB

UNIVERSAL MIXER
HORIZONTAL UNIVERSAL MIXER HUM
HORIZONTAL MIXER MO
VERTICAL UNIVERSAL MIXER TRA

PLASTISOL
MIXER TRP
Each industrial mixer of the range can be manufactured in small size for laboratory tests.

PLAS MEC laboratory mixers are supplied on its own or combined with the cooler.

The laboratory mixer TRL is suitable for PVC dry blend, powder coatings, master batch and pigments, thermoplastic rubbers, wood plastic composites and offers high reproducibility of the process environment on the production plants in order to provide essential data to improve productivity and quality.

TRL lab mixer is available from a minimum capacity of 5 lt. to a maximum capacity of 100 lt.

Adding the cooler mixer to the TRL, you obtain the laboratory heating cooling combination RV
WHERE WE ACT

With a wide range of agents and international commercial team we cover the worldwide market
COME AND VISIT US

Lonate Pozzolo headquarter covers 20,000 m² floor space
COME AND VISIT US

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THANK YOU FOR YOUR ATTENTION!