

 **XBLEND-MC**

Turbomixers  **XM**

+ Coolers  **XC**,

Mixing plants with high productivity

 **ProMixon**

Born to Mix

Mixing equipment
for Plastics,
Powder Coatings,
Powders, Additives
and Colors.



Promixon: New Generation **Great Experience**

Our vocation is to manufacture high quality mixing plants that boost the performance parameters of user companies and meet the needs of our customers in full.

Our mission is to deliver tangible benefits to the

plastics and powder coatings industries.

Our speciality is our guarantee of fast and effective after-sales services.

Our attention is entirely focused on customer satisfaction, and that's the goal we pursue when we

build our mixing plants of the latest generation.





Pro from the latin “Prode”: Help, at defense, in favor in advantage

Mix english voice “to mix” = Misculare
from the latin “Misculare”: Putting together different substances to obtain a unique homogeneous mass

On english voice turn on = Activate
“Activate”: putting into action, making it effective, bring it to life.

Corporate values, expressed in logo, acts to **achieve results** beneficial to you, working with you, for you.



SERIE **XM**

High Speed Turbomixers

TURBOMIXER **XM**

The new turbomixers series XM provide the best solution for all those applications in which the dispersion of powders with powders or granules or with the liquid addition is requested.

The applications are multiple and here we list the main ones:

- Rigid and Soft PVC DRY-BLEND.
- WPC (Wood Plastic Composites PVC/PP/PE based with wood flour).
- Thermoplastic Polymers (PVH, PVA, PC, POM, etc.).
- Hot or cold dispersion of Color MASTER-BATCH, ADDITIVES, POWDERS.
- POWDER COATINGS pre-mixing.
- POWDER COATINGS bonding with metallic pigments or micas.



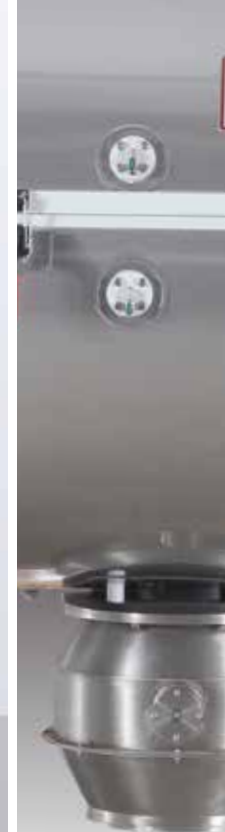
TECHNICAL TABLE OF VARIOUS SIZES AVAILABLE

Type XM	Total Volume Lt	Useful Volume Lt	Capacity Kg/batch	Motor Power kW
XM - 200	200	170	85	45
XM - 300	300	255	127	75
XM - 400	400	340	170	90
XM - 500	500	425	212	110
XM - 600	600	510	255	132
XM - 700	700	600	300	160
XM - 800	800	680	340	200
XM -1000	1000	850	425	250
XM -1200	1200	1020	510	315
XM -1500	1500	1275	637	400
XM -2000	2000	1700	850	500
XM -2500	2500	2125	1060	600

Note:

The data shown in the table are indicative and must be confirmed by PROMIXON.

OUR STATE
OF THE ART
SOLUTIONS
TO HELP YOU
INCREASE
PRODUCTIVITY



Horizontal cooler **XC**

The new XC high efficiency horizontal coolers are designed to give the best performance in cooling hot Dry-Blend from the turbomixer.

Thanks to the high surface area of heat exchange (vessel + sides + lid), and the action of the main agitator that ensures an intense contact of the Dry-Blend with the exchange surface, coolers XC guarantee the lowest final cooling temperature so as to be able to store Dry-Blend into intermediate storage silos thus avoiding the formation of lumps due to thermal inertia of the Dry-Blend.

All surfaces in contact with the product are made of stainless steel finely polished to provide easy cleaning and to prevent the buildup of material. ■

**TECHNICAL TABLE
OF VARIOUS SIZES AVAILABLE**

Type XC ⁽¹⁾	Total Volume Lt	Useful Volume Lt	Motor Power ⁽²⁾ kW
XC- 800	800	400	7,5
XC-1200	1200	600	11
XC-1800	1800	900	15
XC-2500	2500	1300	22
XC-3600	3600	1800	30
XC-4600	4500	2300	45
XC-5600	5600	2800	55
XC-6600	6600	3300	65
XC-8600	8500	4300	90

Note:

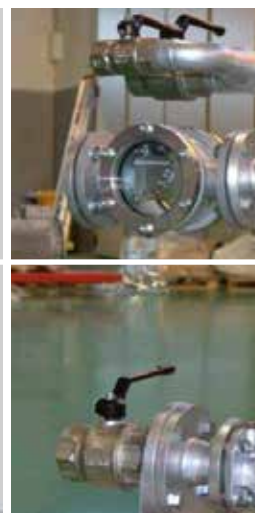
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(1) Single speed standard on all models(A.C. motor)

(2) Standard power – Boost motors available on all sizes



OPTIONS



*We are **passionately committed** to providing our clients with machines that offer genuinely personalised functions and that, as such, are able to optimise their company's output.*

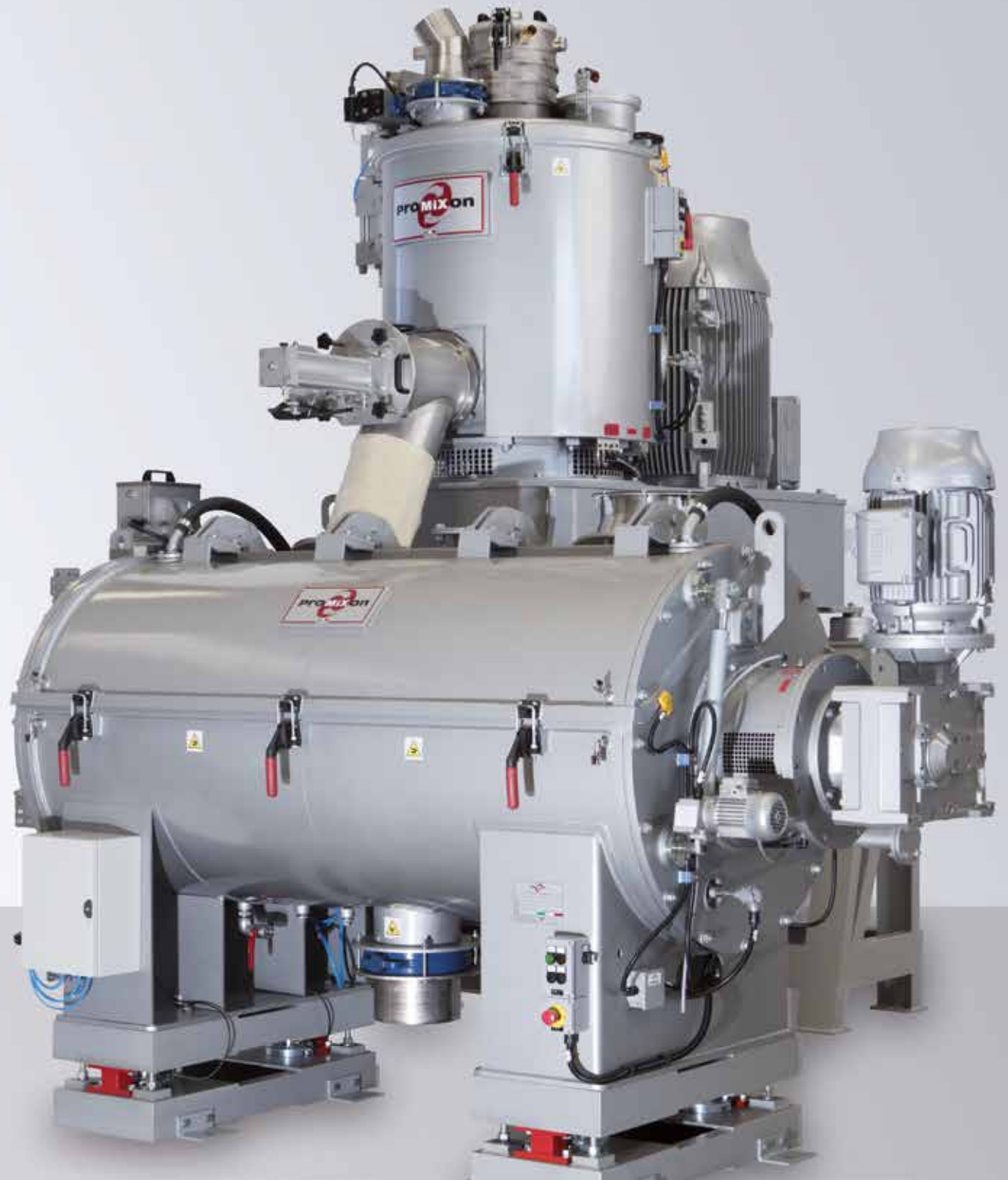
Maximum power and versatility, here comes the

XBLEND-MC

Turbomixers **XM** + coolers **XC**.

With this solution, we can meet all production requirements for the preparation of PVC Dry-Blend both rigid and plasticized with the following advantages:

- Low cost of operation.
- High hourly production without compromising the mixing quality.
- Ability to optimal cleaning thanks to the accessibility of the cooler.



NEW GENERATION MIXERS

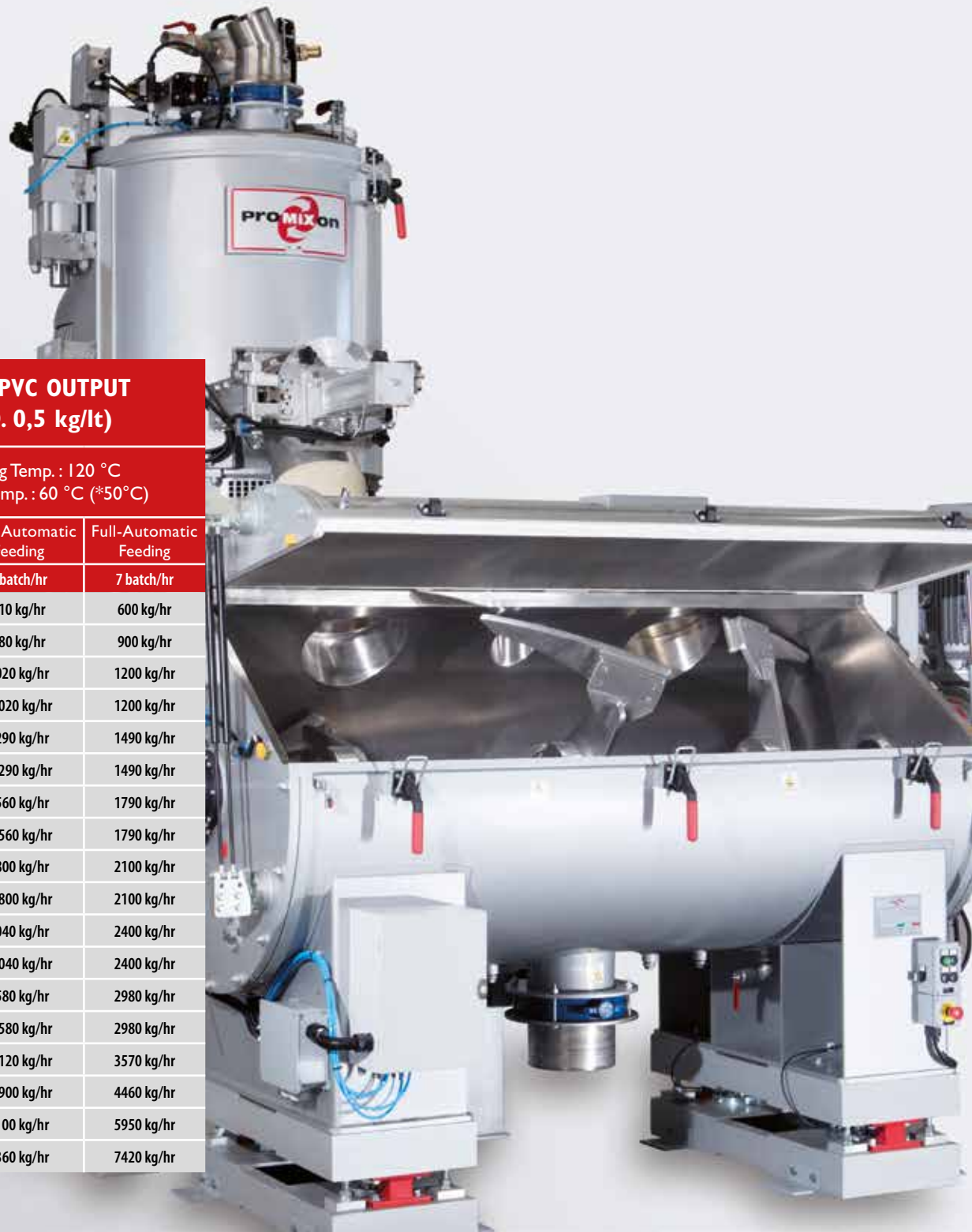
100% MADE IN ITALY


XBLEND-MC

Combination

TURBOMIXERS **XM** +

HORIZONTAL COOLER **XC**



MODELLO  Hot mixer XM + Cooler XC	RIGID PVC OUTPUT (B.D. 0,5 kg/lt)			SOFT PVC OUTPUT (B.D. 0,5 kg/lt)		
	Heating Temp. : 120 °C Cooling Temp. : 50 °C (*40°C)			Heating Temp. : 120 °C Cooling Temp. : 60 °C (*50°C)		
	Manual Feeding	Semi-Automatic Feeding	Full-Automatic Feeding	Manual Feeding	Semi-Automatic Feeding	Full-Automatic Feeding
	6 batch/hr	7 batch/hr	9 batch/hr	5 batch/hr	6 batch/hr	7 batch/hr
XBLEND-MC/200/800	510 kg/hr	600 kg/hr	800 kg/hr	425 kg/hr	510 kg/hr	600 kg/hr
XBLEND-MC/300/1200	780 kg/hr	900 kg/hr	1150 kg/hr	635 kg/hr	780 kg/hr	900 kg/hr
XBLEND-MC/400/1200	1020 kg/hr	1200 kg/hr	1530 kg/hr	850 kg/hr	1020 kg/hr	1200 kg/hr
XBLEND-MC/400/1800	*1020 kg/hr	1200 kg/hr	*1530 kg/hr	*850 kg/hr	*1020 kg/hr	1200 kg/hr
XBLEND-MC/500/1800	1290 kg/hr	1490 kg/hr	1950 kg/hr	1060 kg/hr	1290 kg/hr	1490 kg/hr
XBLEND-MC/500/2500	*1290 kg/hr	1490 kg/hr	*1950 kg/hr	*1060 kg/hr	*1290 kg/hr	1490 kg/hr
XBLEND-MC/600/1800	1560 kg/hr	1790 kg/hr	2300 kg/hr	1280 kg/hr	1560 kg/hr	1790 kg/hr
XBLEND-MC/600/2500	*1560 kg/hr	1790 kg/hr	*2300 kg/hr	*1280 kg/hr	*1560 kg/hr	1790 kg/hr
XBLEND-MC/700/2500	1800 kg/hr	2100 kg/hr	2700 kg/hr	1500 kg/hr	1800 kg/hr	2100 kg/hr
XBLEND-MC/700/3500	*1800 kg/hr	2100 kg/hr	*2700 kg/hr	*1500 kg/hr	*1800 kg/hr	2100 kg/hr
XBLEND-MC/800/2500	2040 kg/hr	2400 kg/hr	3100 kg/batch	N/A	2040 kg/hr	2400 kg/hr
XBLEND-MC/800/3600	*2040 kg/hr	2400 kg/hr	*3100 kg/batch	N/A	*2040 kg/hr	2400 kg/hr
XBLEND-MC/1000/3600	N/A	2980 kg/hr	3900 kg/hr	N/A	2580 kg/hr	2980 kg/hr
XBLEND-MC/1000/4600	N/A	2980 kg/hr	*3900 kg/hr	N/A	*2580 kg/hr	2980 kg/hr
XBLEND-MC/1200/4600	N/A	3570 kg/hr	*4600 kg/hr	N/A	*3120 kg/hr	3570 kg/hr
XBLEND-MC/1500/5600	N/A	4460 kg/hr	*5800 kg/hr	N/A	*3900 kg/hr	4460 kg/hr
XBLEND-MC/2000/6600	N/A	5950 kg/hr	*7700 kg/hr	N/A	5100 kg/hr	5950 kg/hr
XBLEND-MC/2500/8600	N/A	7920 kg/hr	9540 kg/hr	N/A	6360 kg/hr	7420 kg/hr



CONTROLS + HMI

Solutions available

Our fully automatic electrical control cabinets are produced in-house and equipped with the very latest technology to ensure safe management of the mixing plant.

Our insistence on the use of internationally recognised brands of commercial components ensures ready availability and a worldwide after-sales service to ensure machine downtimes are kept to the absolute minimum.

All our electrical cabinets are equipped with inverters for management of turbomixer rpm and to allow the consequent flexibility and energy savings during use of the plant. PROMIXON supplies tailored solutions based on specific customer requirements. That's why

our expert software engineers developed the new user interface panels equipped with a S.C.A.D.A system, which makes the collection of production performance data and statistics even faster and more accurate.

Online Support

PFacility to set up remote assistance services. This system can be provided for the plant PLC and HMI for diagnostics, upgrades and troubleshooting.



SOFTWARE

From the easier system to the more sophisticated mixing plants, PROMIXON studies and implements the management software to provide the following advantages:

- Easy to use.
- Troubleshooting operational, providing instructions to the operator.
- Manuals on the HMI panel.
- Reporting the plant status: productivity, batch/hr performed, alarms.
- Charts.
- Setting in steps of mixing formulas: time, speed, temperatures, security.

**QUALITY
RELIABILITY
READY
ACTION
ENERGY
SAVING**



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