



TRR OVERTURNING CONTAINER MIXER

The TRR overturning container mixer is the ideal alternative to traditional vertical mixer when the production requires high levels of flexibility and involve a wide range of different products to be mixed with the same machine. Thanks to the special construction which is divided into two separate parts (mixing head and mixing container), the cleaning time and the residual risk of contamination, when changing from one type of product to another one, are reduced to minimum. Storage and transport of the mixtures is also facilitated by direct use of the same containers, which can easily be transferred to the following process area.

This mixer is suitable for

- Cold mixing of polymers in powder or granular form with pigments, fillers and additives.
- Pre-mixing of all kinds of powders
- Powder Coatings
- Concentrated masterbatches
- Compounds of PE, PP, PS, PA, TPE, ABS, EPS...

Key Strengths

Efficient Mixing: Achieve uniform consistency in a shorter time.

Versatile Use: Suitable for a wide variety of materials and industries.

Easy Maintenance: Simple design and easy-to-remove parts for cleaning and maintenance.

Customizable: Available in different sizes and mixing configurations to meet your specific needs.

TRR OVERTURNING CONTAINER MIXER

Plastic Compound

Masterbatch

Powder Coatings

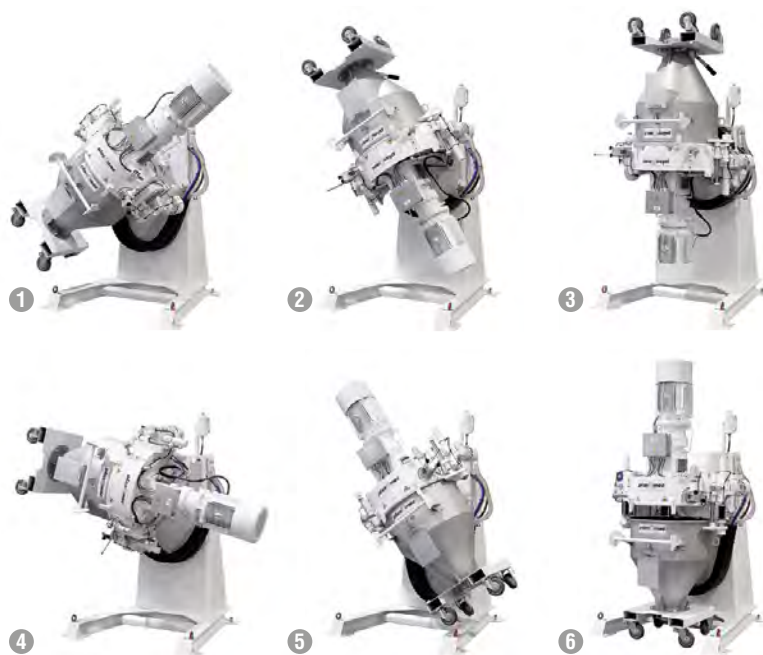


MAIN FEATURES

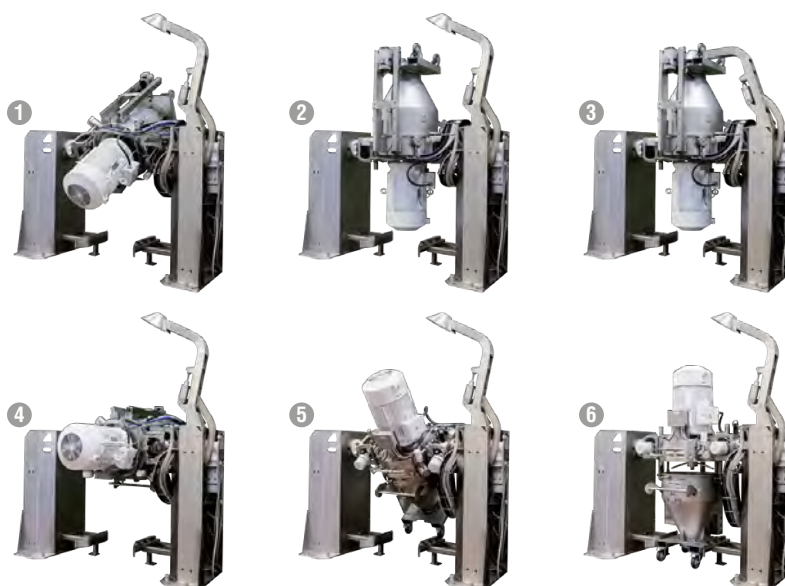
- **Mixing head:** Made of stainless steel mirror polished with double jacket for water circulation.
- **Mixing container:** Inner surface in contact with the material made of stainless steel mirror polished for an easy cleaning.
- **Mixing tool:** Made of stainless steel mirror polished, driven by variable speed motor for flexible control of the mixing with different materials and mixing requirements.
- **Mixing tool lifting system:** Allows the mixing tool to be lifted without having to remove it from the machine thus facilitating and improving cleaning operations.
- **Temperature sensor**
- **Dedusting system:** through removable valves for easier and in deep cleaning.



MIXING PROCESS



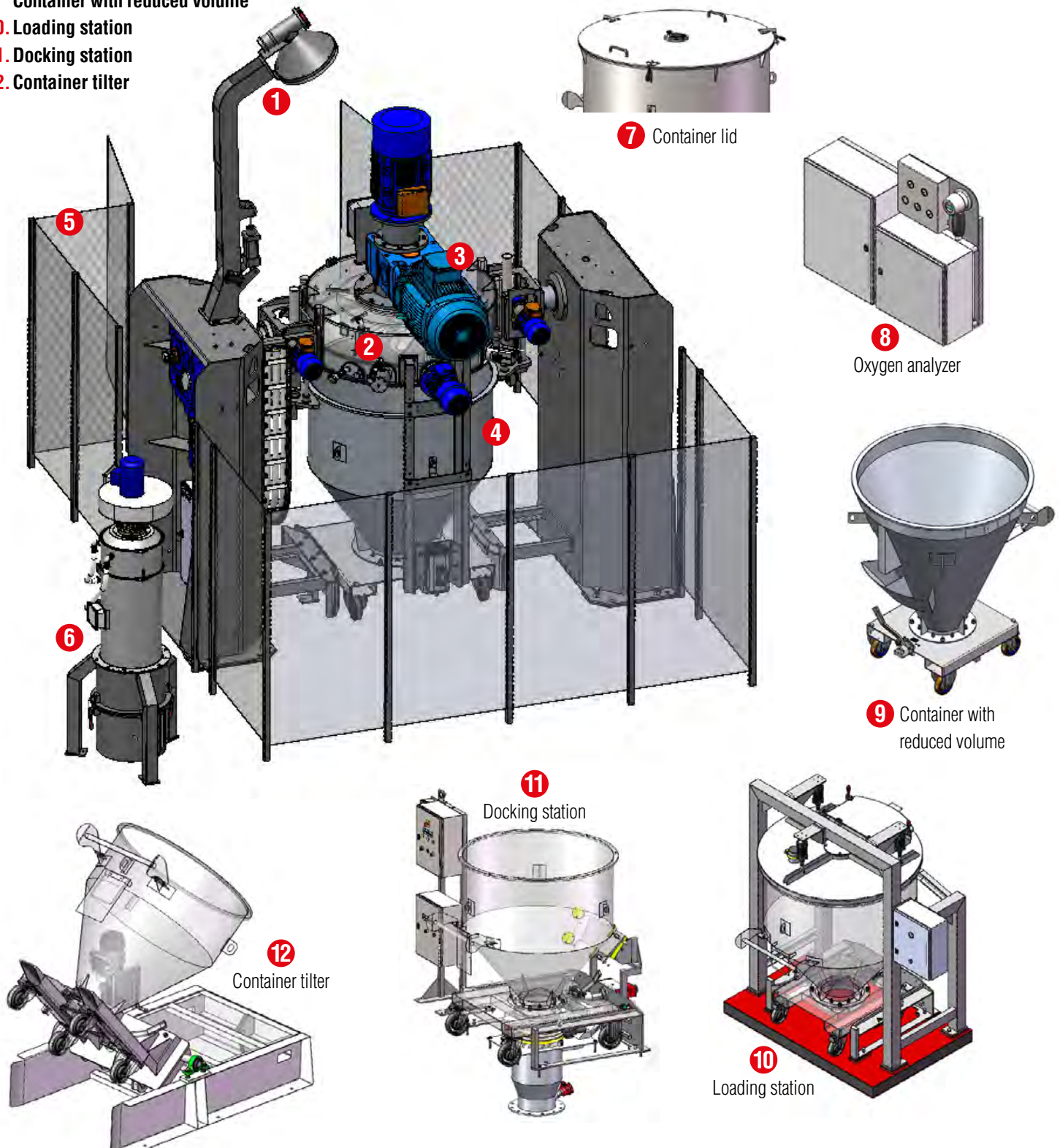
MIXING PROCESS



ACCESSORIES & OPTIONS

1. Shaft sealing by compressed air
2. Liquid injection valve
3. Mixing blades with different or independent rotation speed
4. Chopper / lump breaker
5. Protection cage
6. Filter with aspiration
7. Container lid
8. Oxygen analyzer
9. Container with reduced volume
10. Loading station
11. Docking station
12. Container tilter

- **HP:** High Powdered motor for hot mixing processes.
- **Mixing container:** different shape according to customer's need.
- **Mixing tool:** different shape and coating according to application or customer's need.
- **Mixer configuration** for metallic bonding.
- **Specific mixer design** for ATEX or hazardous requirements.
- **Special mixer design** for any other application.



TRR OVERTURNING CONTAINER MIXER

TRR	Useful volume		Batch size *		Mixing motor power	
Type	lts	ft³	kg	lb	kW	HP
TRR-50	33 - 43	1.16 - 1.51	16 - 26	35 - 57	03-apr	4 - 5,5
TRR-150	98 - 128	3.46 - 4.52	49 - 77	108 - 170	11	15
TRR-300	195 - 255	6.88 - 9	95 - 153	209 - 337	18,5 - 22	25 - 30
TRR-500	325 - 425	11.47 - 15	162 - 255	357 - 562	30	40
TRR-600	390 - 510	13.77 - 18	195 - 306	430 - 674	37	50
TRR-1000	650 - 850	22.95 - 30	325 - 510	716 - 1124	55	75
TRR-1200	780 - 1020	27.54 - 36	390 - 612	860 - 1349	75	100
TRR-1500	975 - 1275	34.43 - 45	487 - 765	1073 - 1686	75	100
TRR-2000	1300 - 1700	45.9 - 60	650 - 1020	1433 - 2248	90	120

*Considering batch bulk density: 0,5-0,6 l/kg - 31.2-37.4 lb/ft³



Founded in 1967, **PLAS MEC** is an Italian manufacturer of high-performance mixing systems for PVC dryblend, powder coatings, thermoplastic rubbers, masterbatch and more. Thanks to its long-standing tradition and worldwide sales network the company's equipment is trusted by customers across the globe for its quality, reliability and innovation.

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