



MOBILE MANUFACTURING UNIT

FAST, ACCURATE, RELIABLE LOADING

Equipment productivity is a key driver in efficient blasting. Orica has the world's largest fleet of bulk explosive mobile processing units.

Orica Mobile Manufacturing Units (MMU™) lead the way in productive loading. These units feature microprocessor systems that control the process of manufacturing and metering of bulk explosives on-bench.

There is a range of different sizes and configurations dependent upon mining methods and bulk product supply models.

KEY BENEFITS

- A range of delivery rates and payloads to suit market segment and application. These range from high delivery rates, for large scale mining to low, accurate delivery rates for quarrying operations
- Vistis™ and Vistan™ capability available on selected models
- Delivery systems can be selected to enable the delivery of Orica's full range of bulk products.



APPLICATION GUIDE

Excavation Method	Mine Description	Features by Priority	Low Cost Model	High Efficiency Model	Differentiated Services Model
Dragline	Large scale mines	High delivery rates, triple product, off-road payload	–	–	–
Large scale truck/ >300t hydraulic shovel or backhoe or rope shovel	Large scale mines	Off-road payload, triple product, low to high delivery rate	–	Tread 4216 Transmanute (19T) Euromaster™	*Transmanute SSE
Truck/200–300t shovel or backhoe	Medium scale mines	Off-road payload, triple product, low to high delivery rate	Transmanute SME Tradestar 914	Tread 4216 Transmanute (19T) Euromaster™	*Transmanute SSE Orica SME
Truck/<200t shovel or backhoe or wheel loader	Small scale mines/ quarries	On and off-road payload, accuracy at low delivery rates	Transmanute SME Tradestar 148	Tread 4216 Transmanute (19T) Euromaster™	*Transmanute SSE Orica SME
Truck/100t shovel or backhoe or wheel loader	Remote small mines or mine development	Accuracy at low delivery rate, manoeuvrability	Transmanute SME	–	*Transmanute SSE Orica SME

*Indicates the added requirement of a Vist. Pre Blend unit

MOBILE MANUFACTURING UNIT

SPECIFICATIONS

MMU Type	Application	Features
Tread 4216	Large scale mines	High delivery rates. Triple product capability. Off-road payload
Transmanute 19T	Large scale mines	High delivery rates. Triple product capability. Off-road payload
Tradestar 914	Medium/large scale mines	Low to high delivery rate. Triple product capability. Off-road payload
Transmanute SSE	Large scale mines	High delivery rates. Triple product capability. Off-road payload
Tradestar SSE	Medium/large scale mines	Low to high delivery rate. Triple product capability. Off-road payload
Transmanute 12T	Small scale mines/quarries	Accurate low delivery rates. On and off-road payload
Tradestar 148	Small scale mines/quarries	Accurate low delivery rates. On and off-road payload
Transmanute SME	Small/medium/remote mines	Accurate low delivery rates. On and off-road payload
Euromaster™	Small/medium/remote mines	Accurate low delivery rates. On and off-road payload
Orica SME	Small/medium/remote mines	Accurate low delivery rates. On and off-road payload

MMU Type	Product Capacity			Delivery Rates		Options						
	ANFO	Fortan™	Fortis™	Augured	Pumped	Bin Type	Control System	DHR	THR	CWP	VIST	RLC
Tread 4216	19,400 kg	22,500 kg	24,000 kg	800 kg/min	350 kg/min	Convertible	Problast	✓	✓	✓	✓	–
Transmanute 19T	–	–	19,000 kg	1,000 kg/min	500 kg/min	Fixed	IMF	–	–	✓	–	–
Tradestar 914	–	–	22,000 kg	1,000 kg/min	500 kg/min	Fixed	EC200 PLC	–	–	✓	–	–
Transmanute SSE	Emulsion Only 20T capacity			–	500 kg/min	Pre blend	IMP	–	–	–	*	✓
Tradestar SSE	Emulsion Only 18T capacity			–	425 kg/min	Pre blend	EC200	–	–	–	*	✓
Transmanute 12T	–	–	12,000 kg	750 kg/min	500 kg/min	Fixed	IMF	–	✓	✓	–	–
Tradestar 148	–	–	12,000 kg	750 kg/min	500 kg/min	Fixed	EC200 PLC	–	✓	✓	–	–
Transmanute SME	Emulsion Only 20T capacity			–	200 kg/min	Site mixed emulsion	IMF	–	–	–	–	✓
Euromaster™	–	–	14,000 kg	300 kg/min	150 kg/min	Fixed	PLC	–	✓	✓	–	–
Orica SME	–	–	13,500 kg	–	150 kg/min	Fixed	PLC	–	–	✓	–	✓

DHR – 2" Diameter hose 80 m long, HR – 2.5" hose 60 m long, THR – Twin 1" Manual Hose Reel, CWP – Cold Weather pack, VIST – Has the ability to deliver Vistan™ and Vistis™ products, RLC – Remote loading capability.

For more information visit orica.com or contact your local Orica representative.

© 2015 Orica Group. All rights reserved. All information contained in this document is provided for informational purposes only and is subject to change without notice. Since the Orica Group cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, the Orica Group specifically disclaims all warranties express or implied in law, including accuracy, non infringement, and implied warranties of merchantability or fitness for a particular purpose. The Orica Group specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

The word Orica and the Ring device are trademarks of the Orica Group.

EMCT Region recommended surface delivery system standards.