



MOBILE MANUFACTURING UNIT

FAST, ACCURATE, RELIABLE LOADING

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

Orca 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 segments.

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 Orca'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/ >300 t hydraulic shovel or backhoe or rope shovel	Large scale mines	Off-road payload, triple product, low to high delivery rate	–	Bulkmaster™ (6x6)	Bulkmaster™ (6x6, VIST)
Truck/200–300 t shovel or backhoe	Medium scale mines	Off-road payload, triple product, low to high delivery rate	–	Bulkmaster™ (6x6)	Bulkmaster™ (6x6, VIST)
Truck/<200 t shovel or backhoe or wheel loader	Small scale mines/ quarries	On and off-road payload, accuracy at low delivery rates	Pacificmaster™	Handimaster™ Quarrymaster™	–
Truck/100 t shovel or backhoe or wheel loader	Remote small mines or mine development	Accuracy at low delivery rate, manoeuvrability	Pacificmaster™ Handimaster™	Pacificmaster™	–

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SPECIFICATIONS

MMU Type	Application	Features
Bulkmaster™	Large/medium scale mines	High delivery rates. Triple product capability. Off-road payload
Pacificmaster™	Medium/small scale mines	Low to high delivery rate. Triple product capability. Off-road payload
Handimaster™	Small scale mines	Accurate low delivery rates. On and off-road payload
Quarrymaster™	Small scale mines/quarries	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	VIST
Bulkmaster™	17,000 kg	18,000 kg	18,600 kg	750 kg/min	500 kg/min	Convertible	Totem	✓	✓	✓
Pacificmaster™	9,700 kg	10,000 kg	10,200 kg	300 kg/min	180 kg/min	Convertible	Totem	–	✓	–
Handimaster™	10,000 kg	9,800 kg	8,500 kg	300 kg/min	150 kg/min	Fixed	Totem	–	✓	–
Quarrymaster™	9,000 kg	13,800 kg	12,800 kg	150 kg/min	120 kg/min	Fixed	Totem	–	✓	–

DHR – 1.5" Diameter hose 90 m long, HR – 2" hose 60 m long, THR – Twin 1' Manual Hose Reel, VIST – Has the ability to deliver Vistan™ and Vistis™ products

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Indonesian and SE Asian Region recommended surface delivery system standards.