

# Wheelblaster with Rotating Drum



- Manganese tumbling drum in one piece
- No jamming of tumbling parts
- Automated load / unload available
- Uniform exposure of parts to blast stream

In this new CMV equipment design, dozens of parts found in the conventional belt type wheelblaster are replaced by a single revolving barrel. The innovation prevents the squeezing and jamming occurring in conventional tumbling machines. It also reduces substantially the maintenance replacement parts costs. In most cases the maintenance costs are reduced up to two-thirds.

The barrel holds the casting, heat-treated parts, forgings, or other parts that are to be cleaned or shot peened. Parts are blasted with steel shot or stainless steel shot propelled by CMV cleaning wheels.

Drum is made from very abrasive resistant manganese steel in order to assure a long service life. Its cylindrical shape with pins inside makes the parts to achieve "multi-tumbling", which is the tumbling of pieces to be blasted in two directions at the same time. This tumbling in two directions assures a maximum exposure to the blasting stream. This additional exposure in conjunction with the blasting stream concentrated over the parts to be blasted allows a significant reduction in the blasting cycle time.

Operational flexibility, operational efficiency, minimal maintenance are significant advantages of CMV wheelblaster with rotating drum. The machine can operate automatically through load, clean and unload cycles. This substantially reduces manpower requirements.

**Abrasive delivery** - abrasive is propelled by a highly efficient set consisting of CMV impeller, control cage and centrifugal blast cleaning wheel. The control cage feeds the abrasive across the face of the blades and is adjustable in order to facilitate positioning of the blast pattern in the work area.

**Abrasive recovery** - spent abrasive drains from the rotating barrel and is fed to an elevator, which conveys the abrasive to an air wash abrasive cleaning system or optionally to a cyclone. It may contain a drum screen for coarse (large particle) separation as an option.

**Skip loader (optional)** - semi-automated load/unload capability with hydraulically operated skip loader. Parts to be cleaned are loaded through the front opening into the tumbler barrel.



- Automatic abrasive adder
- Maintenance platform
- Drum screen separator
- Wheel cover safety switch
- Magnetic shot-flow control valves
- Magnetic shot-flow monitor valves
- Abrasive screeners
- Wet dust collector



### Main Applications

- Foundries
- Forging industry
- Auto parts (Manufacturer, rebuilder and remanufacturer)
- Shot peening
- Heat treating
- Reclamation
- Fasteners
- Die cast parts

MODEL	CAPACITY		DUST COLLECTOR				BLAST WHEEL
	Liters	Weight	Model	m <sup>3</sup> /h	Fan Power	Filtering area	
TR-6055	60 l	150 kg	BMF-1H	1500	1,1 kW	20 m <sup>2</sup>	5,5 kW
TR-6075	60 l	150 kg	BMF-2H	2000	1,5 kW	40 m <sup>2</sup>	7,5 kW
TR-160112	160 l	400 kg	BMF-2H	3000	2,2 kW	40 m <sup>2</sup>	11,2 kW
TR-320150	320 l	800 kg	BMF-3H	4000	3 kW	60 m <sup>2</sup>	15 kW

PS.: Specifications are subject to change without prior notice.



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