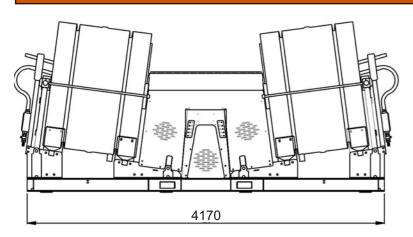
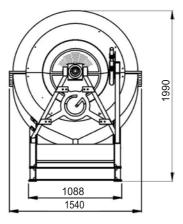


C902 MGS technical specifications

C302 MG3 technical specifications	
Capacity	4-5 tonnes/hr (dry basis - material dependent)
Feed Particle size range	500-1 micron
Feed Pulp Density	10% to 50% solids w/w
Unpacked dimensions	4242*1540*1980 mm
Machine weight	2,100 Kg
Electrical standard	IP66 with centrally mounted control panel
Power requirements	3 phase 415V 50Hz - other options available
Drum Drive Electric Motor	2 * 2.2 kw variable speed
Shake Drive Electric Motor	2.2 kw variable speed
Total Power	6.6 kW installed (typical consumption 3.3kW
Drive System	Belt
Rotational Speed	100-185 rpm infinitely variable
Shake Frequency	2-6 Hz infinitely variable
Shake Amplitude	15 mm std. (10 or 20 mm optional)
Tilt Angle	7.5 degrees std. (0-9 degrees optional)
Wash Water	0-40 litres/min per drum (free of solids)
Construction materials	
Frames	Galvanized steel
Drum	Aluminium
Drum Lining	Abrasion resistant polyeurethane









C902 Multi Gravity Separator

This proven machine has an unsurpassed ability to recover fine and ultra-fine materials. The MGS' continuous process is low energy and its robust design requires minimal maintenance



Originally developed for the Cornish Tin industry, the **C902 MGS** is a proven production machine with over 80 manufactured machines, many of which are still in service. The Multi Gravity Separator (MGS) operates on a similar principle to a shaking table to separate and upgrade very fine materials. MGS' subtle centrifugal force simulates **enhanced gravity**, pinning heavier materials to the wall of the drum to be dragged forward by scraper blades, while lighter tailings are agitated by the shaking motion and washed away

The MGS can be used as a primary separator of fine materials, scavenging tailings and middlings from spirals or shaking tables. Alternatively it can be used in two stages to maximise recovery and grade. The MGS will function satisfactorily with materials up to 500 microns but, it works **exceptionally well** where there is a **narrow size band** of material below **100 microns**

The benefits of using an MGS system in a gravity circuit are typically:

- Delivers very high grade and recovery from fine and ultrafine material
- Sustainable, chemical free processing
- Suitable for concentrating many valuable metal bearing ores
- Self regulating and able to cope with **significant changes in material grade** without losses

Ability to cope with changes in **feed pulp density** by adjusting wash water levels

Flexible solution

- Can be used to produce saleable grade concentrate from low grade tailings in one step, or
- Can be used in a two stage process either as a rougher or finisher to optimize capacity and recovery

