



## Boltac JarMaster



Figure 1 Importance of G Value

Encompassing all jar test needs in one. Designed in conjunction with a leading polymer manufacturer for field and laboratory bench as a fixed stirrer. See <https://www.boltac.co.nz/jarmaster>

### **BLUE TOOTH ENABLED!**

Power supply is universal, will run on 110 to 250 volts. The “hub” (or controller) of the machine controls from 1 to 8 individual jars. Extra jar units can be purchased later if required.



### **SIMPLE (global).**

Firstly, when simplicity is required, not many machines are this “simple” to use.

The “hub” has 5 built-in speeds, one of which is 0 rpm.

The top label describes speeds as “G Values @ 20 degrees C”, the small label on the underside of the hub shows the relevant speeds associated with those G Values.

From this hub, a single connection (thin flexible cable as used on telephone connection) to each jar carries individual motor controls, power for the motor and the lighting (each jar has its own built-in 4-LED jar illumination).

The G Value/Speeds are: - (rounded to nearest rpm)

1 <sup>st</sup> press of the button	450 G	- <b>350 rpm</b>	Lights on	(Flash mix)
2 <sup>nd</sup> press of the button	100 G	- <b>140 rpm</b>	Lights on	(Flash or intermediate)
3 <sup>rd</sup> press of the button	50 G	- <b>90 rpm</b>	Lights on	(Int. or poly addition)
4 <sup>th</sup> press of the button	8 G	- <b>20 rpm</b>	Lights on	(Slow mix)
5 <sup>th</sup> press of the button	0 G	- <b>0 rpm</b>	Lights on	(Settling/viewing)
6 <sup>th</sup> press of the button	0 G	- <b>0 rpm</b>	Lights off	(Back to step #1)

In this global mode, the controller runs all jars at the same speed, for a time determined by the operator.

Just press one button to start, press the same button to change speeds.

All speed changes are reductions until “Lights Off”.

### **SIMPLE (individual).**

By pressing the “Program Select” button after the hub has powered up, 5 built-in-speeds are installed in each individual jar control system. By pressing the square Boltac logo on each individual jar, the speed selections are available for each jar. This allows for different speeds and or times to be manually applied to each jar. The main button on the hub is inoperative in this state, leaving the hub as a power source only.

*So, without a PC connected, it is possible to do a simple jar test, the duration of each speed selected is decided by the operator or connect to the PC for the most intricate of control functions. For PC connectivity, see JarMaster complex features data sheet.*

### **COMPACT**

Consider the JM106-v2 (6 place stirrer) weight and compactness.

Shipping details, without carry case, 8kg., 52.4 x 26.4 x 41.3cm.

Shipping details, with carry case, 10kgs., 52.4 x 26.4 x 41.3cm.

Space occupied along a bench is approximately 90cm with hub either in front or back.

A robust carry case, with combination lock, has small wheels and an extension handle (as in airline carry-on luggage) is available, making it very portable.

Square jars are moulded polycarbonate material, making them almost indestructible.

### **GENERAL**

As with all Boltac jar stirrers, the JarMaster is supplied with all necessary leads and jars, ready for immediate use. We cannot supply power connection cables from NZ. The instruction manual/warranty has a suggested Jar Test format and instructions.

G Values and results are compatible with the original Boltac JarStar, and the new Infinity stirrers used all around the world.

### **WARRANTY**

Boltac stirrers have a 12 month warranty covering faulty components or workmanship. Warranty begins on date of despatch; warranty period of 12 months begins on the 1<sup>st</sup> of the month following purchase.

Service/advice is available direct from Boltac Industries.

At Boltac, we place a high priority on assistance via telephone or email.

See our website for our full range of jar stirrers <https://www.boltac.co.nz>