

# ROLLER BENCHES

## BL - series



- Wide range, from laboratory to production mills
- Rotation speed and milling time adjustable
- Adjustable distance between rubber rollers
- Safe operation

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Affordable slurry milling solution

Roller benches are designed for preparing different ceramic slurries for casting and general mixing and milling applications.

Ceramic or plastic jars with suspension are placed on to rotated rubber rolls, where mixing/milling process takes place. Adjustable mixing speed and time ensure optimal mixing/milling conditions.

Machines are equipped with safety interlocks. Simple design ensures long life operation.

Optionally machines can be PLC controlled with ethernet connection in order to save or load mixing program and process data acquisition.

**Technical specification:**

Model	BL-1	BL-3	BL-6	BL-8
Capacity of jars: (U.S. STONEWARE jar, size 3)	1	3	6	8
Length (mm/inch)	320/12.6	700/27.6	940/37	
Width (mm/inch)	800/32	1600 /63		2100/83
Height (mm/inch)	220/8.7	1300/51.2	1900/75	
Jar diameter (mm/inch)	100-300/4-12		150 - 400/5.9 - 16	
Number of levels	1	1	2	2
Max. Weight / level (kg/lb)	40/88	150/330	150 /330	200/440
Rotation speed	Adjustable			
Terminal power (kW)	0.3	1.1	1.5	2.5

**Jars speed rotation table:**

POWER ROLLER ROTATION (Ø100 mm)	U.S. STONEWARE JAR SIZE mm			
	SIZE 0 149	SIZE 1 225	SIZE 2 264	SIZE 4,6 371
	JAR ROTATION			
RPM	RPM			
90	60,4	40,0	34,1	24,3
120	80,5	53,3	45,5	32,3
150	100,7	66,7	56,8	40,4
180	120,8	80,0	68,2	48,5
210	140,9	93,3	79,5	56,6
240	161,1	106,7	90,9	64,7