

## RM-61 sample collectors

### Technical specifications

### **Type:** Carrousel sample collectors

### **Serie:** RM

Our RM equipment's are specially designed to automatically collect samples from our cross cut and rotary samplers from conveyors, pressure pipes or gravity flows.

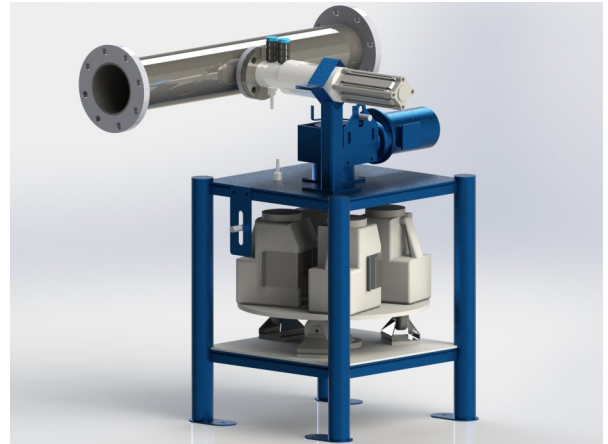
Their main function is to increase the autonomy and decrease the sampling error allowing to collect higher mass to the preparation and measure stages.

They can also be installed after our piston type samplers for solutions or as a last stage for concentrate or crushing circuits, being possible to consider a stationary divisor.

They are configured according to the lot and shift or desired composite to collect.

Our RM sample collector receives the sample and then turns its carrousel automatically when this is full or when the shift time has been reached.

Depending on the needs, this equipment can be loaded with buckets from 3 to 20 liters. Special care is taken with the dust and air tightness when receiving the sample, as well as environmental conditions protection.



**Disclaimer:**

- 1.\_RDI S.A. reserves the right to modify models, components, specifications and models continuity any moment, any time without previous notification.
- 2.\_To assure equipment's characteristics, please make a query of RFQ through our attention channels.



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Equipment's information			
Type of material to be collected		Granulate solids	Slurries, solutions
Description	Carrousel type sample collector		
Operation	Vertical flows is collected in sample buckets and turntable changes position depending on mass of sample and shift		
Buckets configuration	Standard	6x18 liters	4x4 liters; ó 6x3 liters
	Optional	6x25 liters; 8x18 liters. Other configurations available	12x4 liters. Other configurations available
Mounting	Over 12 mm thickness base plates		
Material of construction	ASTM A36 Mild Steel with RAL 6016 6 mills minimum thickness Surface protection		ASTM A36 mild Steel with RAL 5015 6 mills minimum thickness Surface protection
Connection	Flange ASTM A53 CL150 6" to 12" or mini chute for vibratory feeder		Fitting for flexible connection to in-line sampler
Drive	Geared electric motor 0,55 to 0,75 kW 4,5 rpm		
Transmission	Solid shaft with key		
Turntable	ASTM A36 Mild steel with UHMW Robalon		
Safety	Front and side gates with switches		
	Bucket position sensor		
	Bucket presence sensor		
	Emergency stop button		
Pollution control	Standard	No control	Not considered
	Optional	Electric driven lid over bucker to be filled	Not considered
Control supply	Standard	110V 1Ph 50/60 Hz	
	Optional	220V 1Ph 50/60 Hz	
Drive supply	Standard	380V 3Ph 50/60 Hz	
	Optional	460-600V 3Ph 50/60 Hz	
Control system	Power and control joint boxes over chassis. Control cabinet not available for single operation		

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