Gemeni Table

Generates a bullion grade gold product from low grade concentrates at high recoveries

The unique table design allows for the production of a gold concentrate that can be directly smelted to bullion.

Features

- Direct, fixed speed drive system
- Table can be operated in batch or continuous mode
- No massive foundation required
- Available for single or three phase power supply
- Simple operation
- Adjustable feed rate
- Deck constructed of hard wearing gel coat with GRP substrate
- Adjustable “bump stop” to control deck motion amplitude
- Recessed troughs for gold collection
- Multiple dressing water cock valves for wash water control
- Central water manifold constructed for resistance to attack by contaminated process water

Operational

The Gemeni Table has been specifically designed for the recovery of fine gold to a directly smeltable concentrate. The direct drive system incorporates a geared motor, driving a crank connected to the table deck. The crank includes a sprung connection system to absorb over run. The bump stop system provides a fine tuning mechanism. Table tuning is achieved by adjustment of a single screw.

Specifications for the three Gemeni Table models are as follows:

Feed	GT60	GT250	GT1000
Feed rate nominal, kg/hr	30	115	450
Feed density recommended, %solids w/w	60-70	60-70	60-70
Feed size nominal top – microns	800-1000	800-1000	800-1000

Note: The GT60 is a lab-scale unit, but can also be used to treat small volumes in a production environment.

It is advisable to scalp out any tramp iron in the feed prior to treatment, by way of magnetic separation.

Washwater	GT60	GT250	GT1000
Nominal wash water requirements, ℓ/min	12	25	38
Nominal wash water pressure, kPa	30	30	30

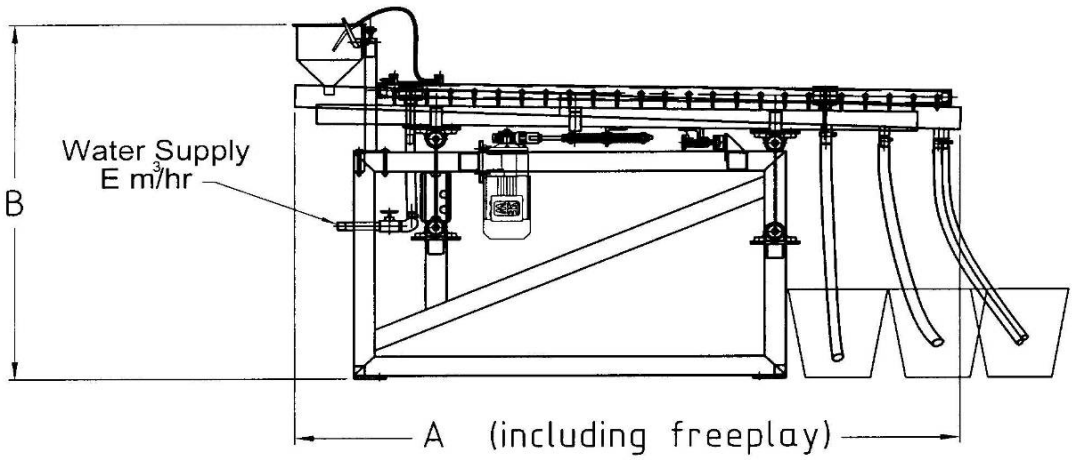
A small constant head tank should be located 3 metres above the table deck. Wash water should be free of suspended solids and organic material, fresh water is recommended.

Installation

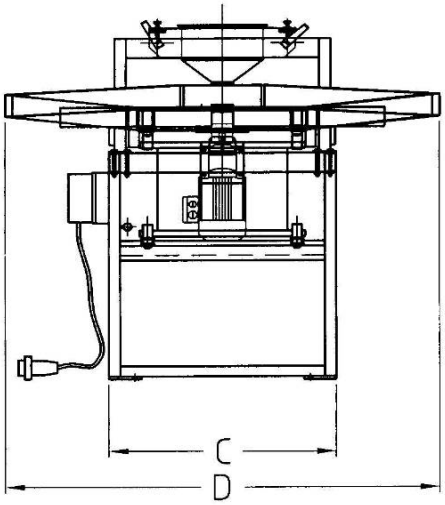
Installation requirements are minimal. The Gemeni Table is designed to sit on a standard floor and can be plugged into a power outlet.

Electrical Specifications

Motor and gearbox are selected to suit locally available power frequency and voltage.



ELEVATION



END VIEW

Note:-
1) 3 metre Constant head tank required
2) Feed size to be less than 1.2mm
3) Elimination of iron from feed using low intensity magnetic separator is recommended.

	Operating Dimensions					Net Weight	Approximate Packed Dimensions			Packed Weight
	A mm	B mm	C mm	D mm	E m^3/hr	kg	L m	H m	W m	kg
GT60	1490	1029	670	864	1.4	145	1.45	1.08	1.13	250
GT250	2187	1229	700	1340	2.0	220	2.18	1.24	1.51	420
GT1000	2781	1229	916	1714	2.9	320	2.80	1.23	1.86	540

Note:
Mineral Technologies reserves the right to alter specifications without prior notice. For certified drawings suitable for engineering design purposes, please refer to Mineral Technologies.

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