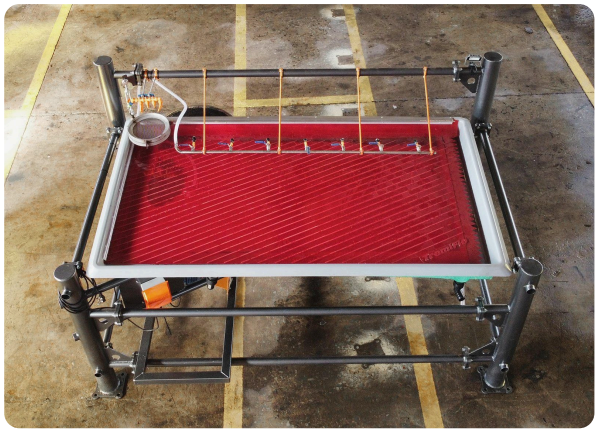
DESIGNED AND BUILT IN SOUTH AFRICA

TremiFlo shaker table

A gravity shaker table for small-scale mining and mineral processing. TremiFlo separates gold, copper, tin, tungsten, chrome and other heavy minerals from lighter waste using water, motion and density alone. No mercury and no cyanide.



2.2 × 1.2 m	0.37 kW	4–6 weeks	7
riffled deck	single-phase drive	lead time	countries supplied

Key features

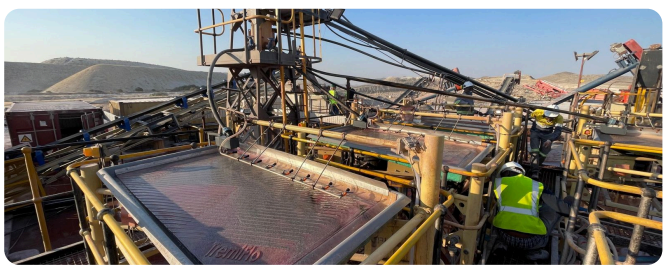
- **Chemical-free recovery.** Free gold and heavy minerals are recovered by density alone, with no mercury or cyanide on site.
- **Two-stage diagonal riffles.** Taller stage 1 riffles hold the concentrate where the feed first meets the deck; lower stage 2 riffles carry it on to the concentrate end.
- **Low power.** A 0.37 kW motor on an IP66-rated VSD runs from a single-phase supply or a small generator.
- **Fully adjustable.** Stroke length is set with the bumper, stroke speed on the VSD, and wash water tap by tap along the manifold.
- **Self-contained water.** A 220 L reservoir and clean water pump feed an independently valved stainless steel manifold.
- **Robust and safe.** A rugged steel frame surrounds the deck, so nobody can touch or lean on it while it runs.
- **Scalable.** Start with a single table and add units in banks as throughput grows.

Technical specifications

Deck size	2 200 × 1 200 mm 2.64 m² working area
Deck	Lightweight deck Specialised mining mat, two-stage diagonal riffles
Footprint / mass	approx. 4 m² · 250 kg
Drive	0.37 kW, 3-phase Single-phase supply through an IP66-rated VSD
Linkage	Single-point Deck angle set via the linkage plate
Stroke	Adjustable Set with the bumper while running
Water system	220 L reservoir Clean water pump, valved stainless manifold
Throughput	Material dependent The finer the material, the slower the feed rate

Installation: under roof, out of direct sunlight, on a 180 mm reinforced concrete base with 16 × M16 chemical anchors. Start at 43–48 Hz on the VSD. Full instructions are in the TremiFlo installation and operating guide.





TremiFlo

PRODUCT DATA SHEET
GRAVITY SHAKER TABLE

HOW IT WORKS

Gravity separation on a riffled deck

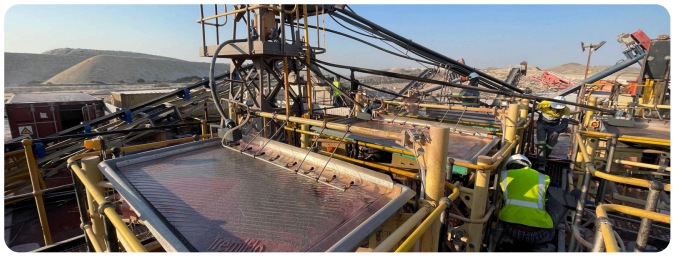
1. **Feed.** Crushed and sized material is mixed with water and fed through the sieve feed box onto the top corner of the deck.
2. **Stroke.** The deck moves forward slowly and returns quickly. Heavy particles ride up along the riffles with every stroke.
3. **Wash.** Wash water flows across the deck, carrying light material over the riffles and off the long edge as tailings.
4. **Split.** Concentrate runs along the top edge to the far end; middlings leave the same end lower down and can be re-fed.

CONFIGURATIONS



Single TremiFlo

One table on its own frame for pilot plants, small alluvial operations, upgrading concentrate from other circuits and laboratory test work.



TremiFlo Banks

Multiple tables for higher throughput, arranged to suit the site: in line, back to back, or split between roughing and cleaning duties.



PROJECTS

Supplied to operations across Africa

TremiFlo tables have been shipped to mining and processing operations in seven countries. Suitable for gold, silver, platinum group metals, copper, zinc, tin, tungsten, tantalum, chrome, iron and antimony.

South Africa · Namibia · Angola · Zambia · DRC · Kenya · Ghana

SUPPORT AND TRAINING

- ✓ **Free operator training** at our East Rand facility for every TremiFlo customer.
- ✓ **Demo runs on your own material.** See the concentrate before you buy.
- ✓ **Direct technical support** from the team that built your table.

COMMERCIAL TERMS

Price	On enquiry
Lead time	4–6 weeks
Warranty	12 months
Delivery	By arrangement
Operator training	Included

SALES
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REQUEST A QUOTE
Tell us your material, throughput and particle size, and we will recommend a configuration.

FACTORY, DEMO AND TRAINING FACILITY
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Brakpan, 1540, South Africa

TremiFlo is a product of KFP Rail, trading as KFP Projects.

Issue 1 · November 2026 · Specifications may change without notice.