



**Gravity
Separation
Technology (Pty)Ltd**

Modular Turnkey Gravity Separation Solutions

**Designer and supplier of proprietary
processes and equipment**

Who we are

GST is a proudly African company, servicing the mineral processing industry locally (Zimbabwe, South Africa, Mozambique) and internationally (India, Africa and Europe). All the photos in this brochure are our projects that we have executed from start to final commissioning, and are representative of the range of customers and extractive industry.

Our expertise is in gravity separation and magnetic technologies in the recovery of free/alluvial gold, manganese, chrome, ferro alloys, diamond, coal, cassiterite, garnet and related mining projects.

Our clients range from the largest (Glencore, BHP, Xstra, Samancor) to medium (Harsco) and small (sub US\$1m CAPEX).

We deliver turnkey solutions covering the range of installations: our modular plant design allows us to deliver our project elements with a short commissioning timeline.



What sets GST apart

We design in-house, fabricate, erect and commission a plant in a short time and at a very competitive price by incorporating the following:

- Ingenious in-house designs that are cost-effective and low maintenance
- No compromise when it comes to safety, materials, equipment and the environment
- Creating partnerships through ongoing support and advice

Processing technologies used includes (but not limited to):

- Crushing, Milling and Screening (wet and dry)
- Jigging, Spirals, Upward Flow Classifiers
- Bowl type concentrators, Shaking tables, Sluice boxes
- Magnets, natural and electromagnetic
- Dense Media Separation

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STEP 3 SITE ERECTION

A significant reduction in erection and commissioning time is achieved due to the fully assembled and tested plant being shipped. This results in a quick production ramp-up time.



STEP 4 TRAINING

We believe that the plant operators should be properly trained in the use of the plant – our supply success is directly linked to their capability in operating the plant



THE STORY OF A SUCCESSFUL HANDOVER



There are a lot of reasons why a project can turn into a disaster. Through experience we stick to these 4 simple rules that not only improve our control of the deliverables but also allow for client input and feedback at each stage. In ensuring a satisfied client, mutual benefit arises in creating future business opportunities for both parties.



STEP 2 FABRICATION

Inhouse fabrication and assembly ensure compliance to quality control measures and result in earlier C1 and C2 commissioning



STEP 1 DESIGN

Formulate a process-, mechanical- and electrical design that will optimize efficiency and availability



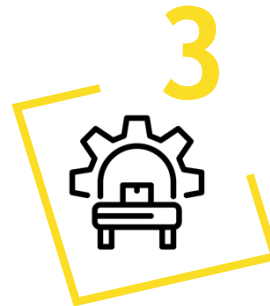
Spares

- Electrical Motors
- PU Products
- Conveyor Products
- Electrical Spares
- Pump & Spares



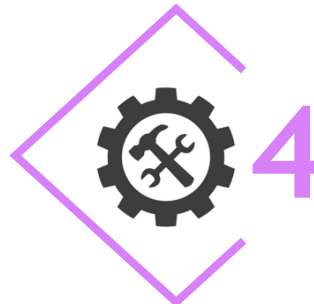
Equipment

- Lamella Thickeners
- High Frequency Screens
- Double Roll Crushers
- Fletcher Tables
- Rotery Breakers



Plant

- Coal Washing
- Jigging
- Leaching
- Spiralling
- Crushing



Services

- Ceramic Lining
- Rubber Lining
- HDPE Piping
- Motor Control Centres
- Plant Training in Plant Operation and Maintenance

