



# Ingwenya Mineral Tech Pvt. Ltd.

Mineral Upgradation Specialists



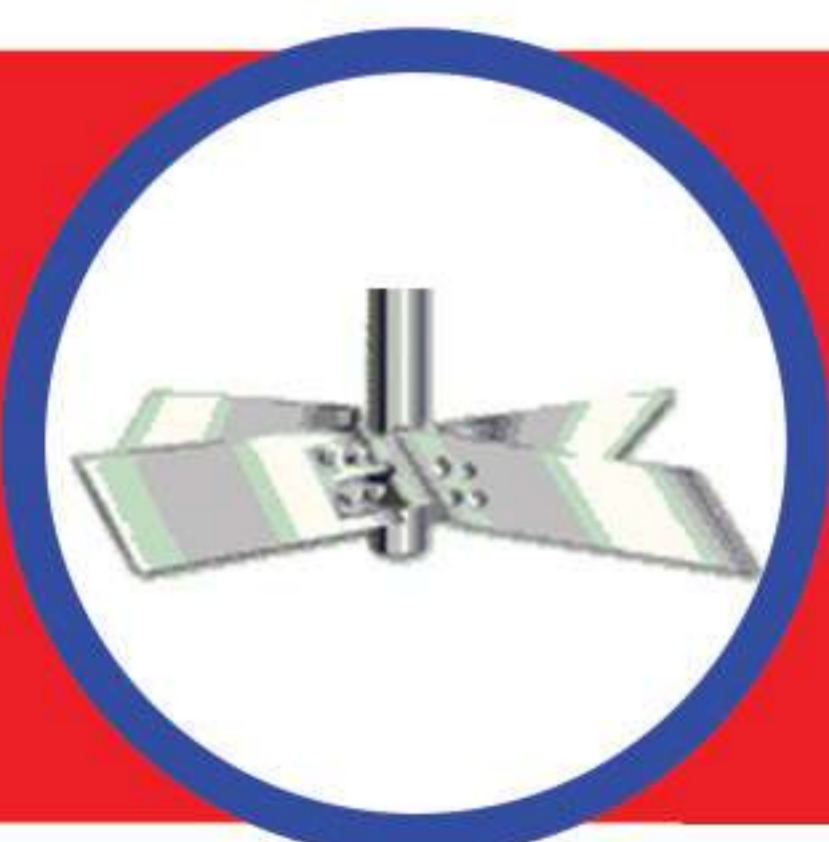
## IMT - Mixing Solutions

**IMT** specialises in providing mixing solutions for coal and mineral processing industries. **IMT** has capability to develop appropriate design of impellers for specific application.

### IMT Impeller

### Name & Application

### Industry



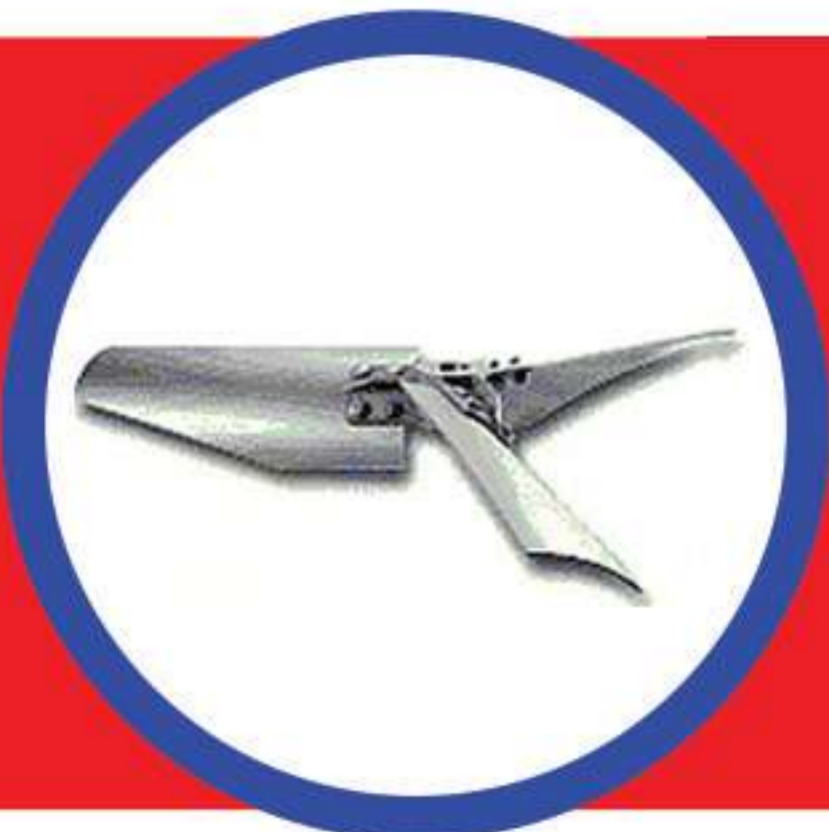
**Pitched Blade Turbine Type (32 deg & 45 deg)**  
Blending , Solid Suspension, Dispersion,  
Heat Transfer, Leaching.

Chemical industries,  
Fertilizers and  
Leaching tanks of  
Minerals like Gold,



**Hi –Efficiency Axial Flow**  
Homogenizing/Blending,  
Solid Suspension, Uniform Mixing

Ball mill sumps, WHIMS  
Feed Tanks, Pressure/  
Vacuum filters feed  
tanks



**Hydrofoil Type**  
Homogenizing/Blending,  
Solid Suspension, Uniform Mixing, leaching

Ore Beneficiation Plants -  
Large Size Tanks of  
WHIMS, Feed Tanks,  
Pressure/Vacuum filters  
feed tanks



Plot No.34, 3rd Phase 4th Main, Peenya Industrial Area, Bangalore 560 058, India

Tel: +91 80 2837 4584

E-mail: [imt@inmintec.com](mailto:imt@inmintec.com)

[www.inmintec.com](http://www.inmintec.com)



# Ingwenya Mineral Tech Pvt. Ltd.

Mineral Upgradation Specialists

- Single and double impeller designs are offered depending upon duty condition.
- Energy efficient designs are adopted to keep the cost of ownership to the bare minimum.
- Optimally designed using computer assisted finite element analysis and 3D modelling to ensure elimination of design failures.
- Manufacturing process include stress relieving lantern stools and shafts even for long the shafts (upto 10 meters).
- All impellers of speed upto 300 rpm are balanced statically and beyond 300 rpm they are dynamically balanced.
- Lantern stool design with stub shaft and double bearing arrangement are adopted for longer shafts to provide three point shaft locking for arresting the swing beyond the allowable shaft deflection.
- Special material of construction available for corrosive applications.
- Drive capacities offered range from 0.37 kw to 160 kw. Supplies include complete systems with tank and agitator supports.
- Designs are provided for the tank and agitator support if the customer opts for site fabrication.
- Static mixers available for liquid-liquid mixing.



Plot No.34, 3rd Phase 4th Main, Peenya Industrial Area, Bangalore 560 058, India

Tel: +91 80 2837 4584

E-mail: [imt@inmintec.com](mailto:imt@inmintec.com)

[www.inmintec.com](http://www.inmintec.com)