

LAMELLA Clarifier/Thickener

**Modern ready-to-run
solution for water
treatment**

*MIMICO's state-of-the-art solution for
water treatment at quarries, mines and
construction sites is set to become the
industry benchmark.*

We're a
big part
of your business.



The MIMICO Lamella Thickener Plant is the first truly portable water treatment system, designed specifically for these mineral processing industries.

It combines the proven, environmentally sound Lamella treatment process with automated features and smart technology to manage the plant's performance anywhere in the world.

The LT-100 model will process up to 100m³ of contaminated water per hour. This model is transported in three units by truck and quickly assembled on site. Despite its impressive processing capacity, the Plant's footprint is just 6.0 meters x 6.0 meters.

Proven process

A Metso VT pump is used to deliver contaminated water into the Lamella. Polymer is added to produce larger particles called flocs. The flocs make their way through feed ports into the Lamella plate packs which, because of their unique design, cause the flocs to settle quickly in the thickener.

The clean water then moves up through the Lamella plates, and overflows through the discharge launder. The clean water is then piped into a tank, and can be reused around the site by means of a recycle pump.

Solids are allowed to consolidate into a thickened sludge. The density of the sludge is monitored and discharged at regular intervals.

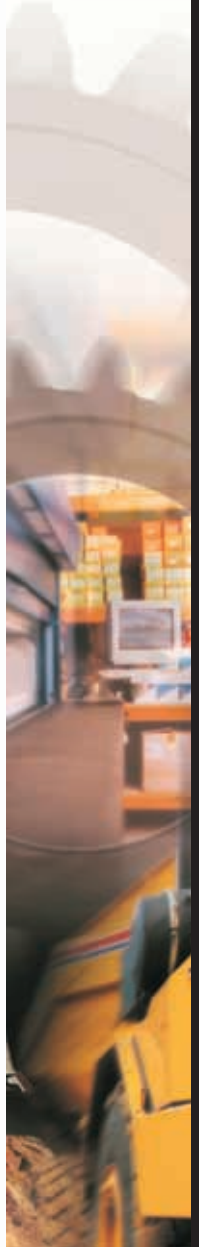
This proven system can be used in even the most sensitive of environments.

automation

The transportable Lamella clarifier thickener has been completely redesigned and re-engineered by MIMICO to meet industry requirements and exacting environmental standards.

An automated polymer mixing system is available as an optional extra. This replaces manual mixing and ensures consistent and repeatable accuracy, while saving time and reducing operating costs.

The Plant has been designed to allow for around-the-clock operation in remote locations, without the need for an on-site operator.



MIMICO®

Freephone: **0800 806 464**
(within New Zealand)
Phone: **+64 7 888-6294**
Fax: **+64 7 888-4879**

Post: PO Box 202, Matamata, New Zealand
Visit: 17 Waihou Street, Matamata, New Zealand
E-mail: enquiries@mimico.co.nz
Website: www.mimico.co.nz

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Smart communications

Modern M2M (machine to machine) technology options can deliver specific information on the plant's operation to operators and managers. Data can be sent in a text message to a cell phone or emailed as a regular detailed report. Data is also logged on the plant operator's screen and can be viewed in real time.

Important information can be gained by using the logging system, including:

1. Power consumption
2. Consumable usage
3. Data to the financial manager
4. Water quality data to the environmental manager
5. Process data to the plant supervisor
6. Preventive maintenance data to the maintenance manager
7. Alarms can be sent via text to the operator and site manager as required.

The Plant's modern touch screen is easy to use and allows the operator to oversee the operation quickly and simply.

A model for every operation

There is no limit to the water volume the Lamella clarifier thickener can treat. Models are available to treat from 30m³ to 800m³ per hour.

Optional extras

- Automated polymer addition
- pH analysis & control
- Clean water recycling
- Data analysis and monitoring
- Preventive maintenance monitoring

Options to purchase or lease

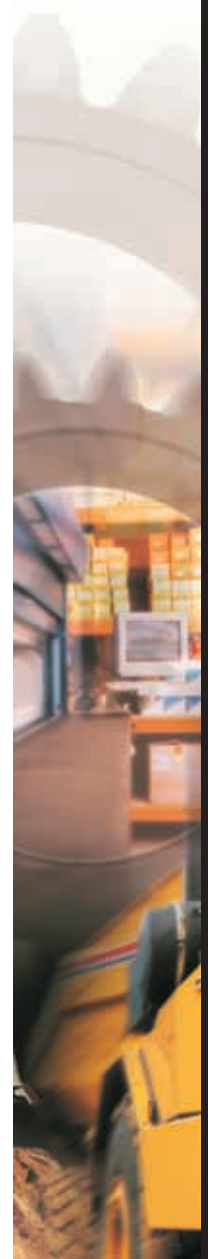
Ask about MIMICO's range of options to purchase or lease the MIMICO Lamella Thickener Plant that's right for your operation.

LT100 - KEY FACTS

Nominal Operating Volume	100m ³ /hr
Occupied Footprint	6.0 m x 6.0 m
Foundation Required	Engineered base course pad
Max Operating Weight	19.7 tonnes
Set-up Time	3-4 hours
Installed Power*	25.2 Kw

*excludes optional clean water pump.

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