



Tubular Services

One Stop Catalyst Solution

Safety – Speed – Accuracy are key when performing a tubular reactor change-out. It is vital that you partner with a company that has the expertise and latest technology manage the job. Extended downtime, equipment damage or poor load quality will significantly impact your bottom line.

Maviro has teamed up with SODI to exclusively offer their Tubular loading technology to the North American Market. By pairing Maviro's wisdom with the proven SODI loading technology, clients are experiencing a significant reduction in maintenance costs and are seeing higher production rates with improved yields and conversion rates.

Maviro provides a one stop total solution for your Catalyst Change out. Our bundled approach, which includes PRE PLANNING - UNLOADING – CLEANING – LOADING-TESTING delivers a more consistent, predictable result and minimizes downtime.



Benefits

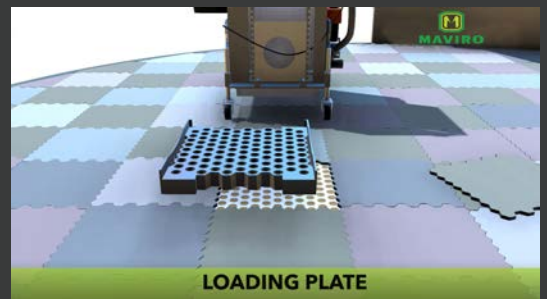
Speed

- Each unit loads up to 120+ tubes at a time
- Loading plate eliminates need to cap individual tubes
- Loading accuracy significantly reduces corrections



MAVIRO

*Latest Technology for
Tubular Catalyst
Loading*





Tubular Services

Quality

- SODI system ensures consistent load quality
- Greatly reduces the human error factor when loading
- Dual stage catalyst de-dusting
- Quick accurate tube counts and status reports
- Reduced handling minimizing attrition
- Minimal corrections

Savings

- Multiple steps removed. No bag pre-dosing or capping
- Reduced third party cranes and elevator rentals
- Reduced manpower

Safety

- Pneumatic System
- Aligns and seals with floor templates
- Reduces confined space entry time
- Minimize handling of catalyst

Additional Services

- Disposal & Recycling
- Mechanical
- Inspection
- HP water jetting
- Chemical Cleaning



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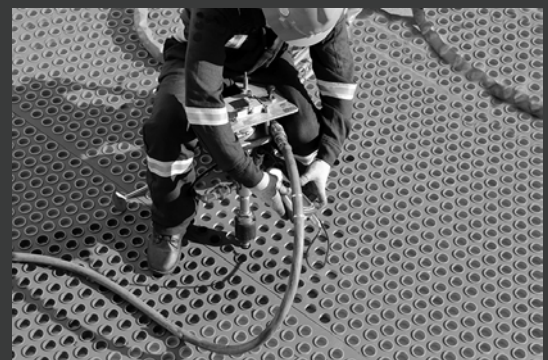
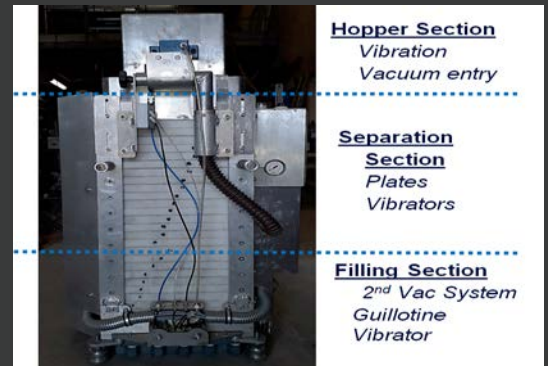
SERVICING THE USA AND CANADA

Maximize your Yield and Conversion Rates

A Revolutionary Change in Catalyst Loading Speed and Accuracy



LOAD WITH DIFFERENT LAYERS IF NEEDED




MAVIRO
CATALYST

MEASURED PERFORMANCE.
PREDICTABLE RESULTS.



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