

# Rare Earth Mineral Production

INDUSTRIAL FILTRATION | RARE EARTH ELEMENTS SEPARATION PROCESS | MINERAL PROCESSING

## Molycorp Minerals Rare Earth Mineral Dewatering

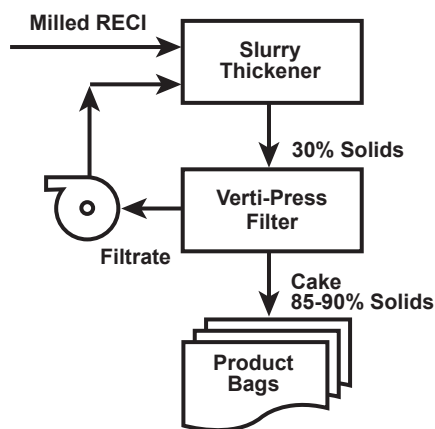
### PRODUCT USED:

**Verti-Press Automatic  
Filter Press**



END USER:	Molycorp Minerals
LOCATION:	Southwest USA
UNITS:	(1) VP-25-6
RATE:	14 Ton/Day Dry Product
PROCESS:	Filtering and dewatering of rare earth chlorides

### RARE EARTH ELEMENTS SEPARATION-PROCESS FLOW DIAGRAM



### MORE INFO

The Molycorp minerals mine is the only rare earth mine in production in the Western Hemisphere and produces 4 million tons per year of rare earth mineral elements, which are utilized in various energy efficient technologies.

We performed a comprehensive equipment evaluation and determined the Verti-Press filter would be the best fit for their rare earth elements separation process.

The two key features of the Verti-Press automatic tower filter which provided the technical advantage during the extensive equipment evaluation were:

1) its single point discharge, which meant the end user did not have to provide multiple sections of dry solids handling equipment, and

2) the chamber isolation feature which allows the unit to continue to operate with any permutation of chambers offline.

These two mineral processing design advantages maximize production rate, and allows the end user to produce the highest quality product, as quickly and efficiently as possible.

**Curious to find out how the Verti-Press filter will help you get higher quality minerals? Give us a call, 248-427-9090 and talk to our filtration experts.**