

# LD7RC Spiral Separator



## Features

- 2-stage (rougher-cleaner) performance on a single assembly in a total of 7 turns
- 3 turn rougher stage with slide style reject splitter
- Slurry reconditioning system for transition from rougher –stage to cleaner-stage
- 4 turn cleaner stage with ganged product outlet splitters
- Number of starts – single, twin and triple
- Highly wear resistant polyurethane on all operating surfaces

## Design Data

### Head Feed (per start)

|               |  |
|---------------|--|
| Capacity:     | Up to 4.0 t/h per start                            |
| Pulp Density: | 20 – 45% solids                                    |
| Size Range:   | 0.1 – 2.0mm  |
| Pulp Volume:  | Up to 11 m <sup>3</sup> /h slurry volume per start |

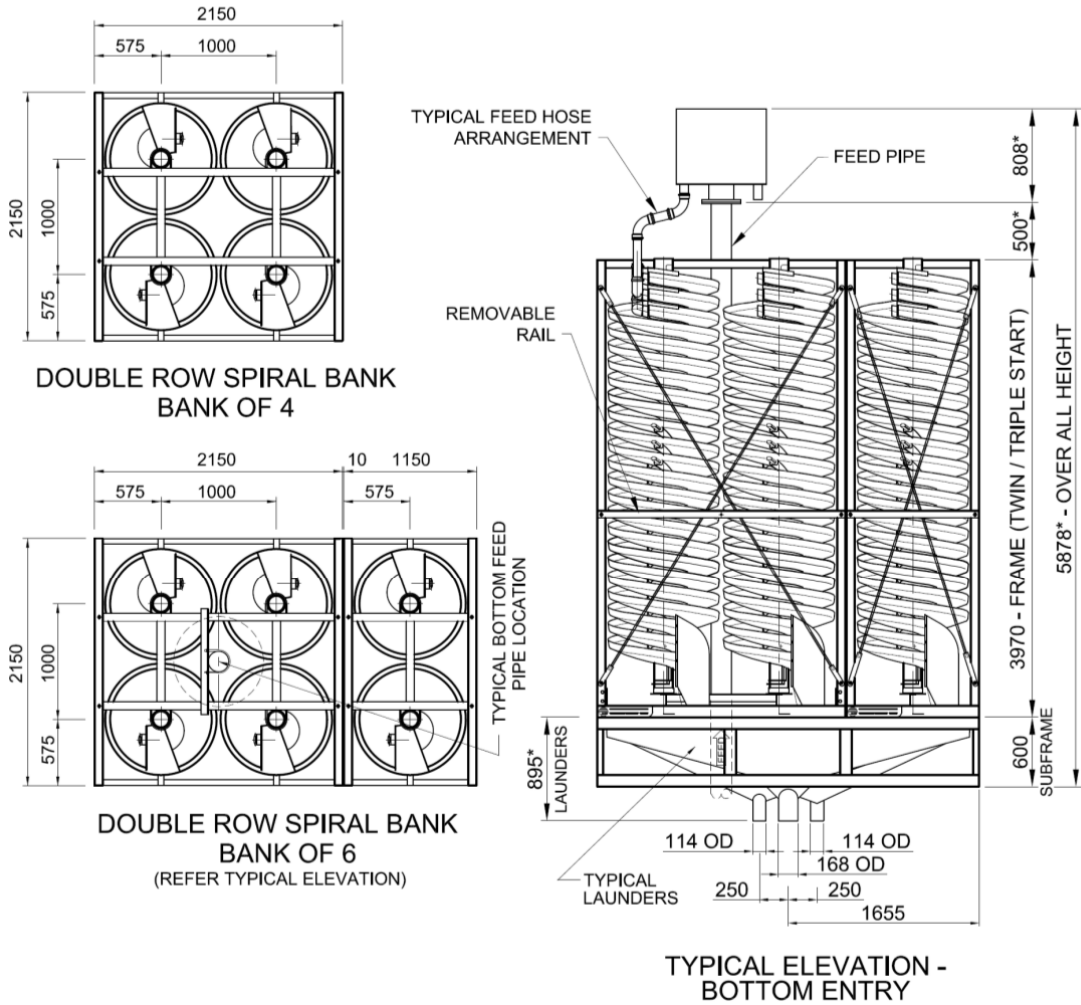
## Application

- This spiral separator is particularly suited to duties more demanding than those of conventional coal spirals
- The principle area of application is coal treatment where increased levels of high-gravity and near-gravity material in the feed result in a greater demand on the separation duty.
- Separation of pumice and other low density minerals is also an appropriate application.
- By recirculating the middlings, the separation performance of the 2-stage system can be further improved





**LD7RC - 7 TURN SPIRALS**



\*NOTE: LAUNDER/ FEED PIPE/ DISTRIBUTOR/ SUPPORT STAND DIMENSIONS, SPECIFICATIONS & LOCATIONS MAY VARY TO SUIT SPIRAL BANK COMBINATIONS - TRIPLE START SPIRALS DRAWN FOR ILLUSTRATION PURPOSES ONLY

RATIONALIZED

| ESTIMATED MASS (tonnes) - TOP ENTRY  |       |       |       |        |        | <b>Mineral Technologies</b><br>Mineral Technologies Pty. Ltd. - ABN 52 105 309 260<br>11 ELYSIUM RD., CARRARA, QLD. 4211, AUSTRALIA. Ph: +61 7 55691300<br>P.O. Box 2569 Nerang MDC, Qld, Australia, 4211<br>Fax: +61 7 55253810<br>www.mineraltechnologies.com<br>info@mineraltechnologies.com |
|--|-------|-------|-------|--------|--------|---|
| SPIRAL BANK  | 4 X 2 | 6 X 2 | 8 X 2 | 10 X 2 | 12 X 2 |   |
| TWIN START   | 1.80  | 2.94  | 3.70  | 4.50   | 5.90   |   |
| TRIPLE START   | 2.20  | 3.40  | 4.20  | 5.27   | 6.80   |   |
| FOR CERTIFIED DRAWINGS SUITABLE FOR ENGINEERING DESIGN PURPOSES PLEASE REFER TO Mineral Technologies |       |       |       |        |        | LD7RC-107      02.12.14      Rev 1  |