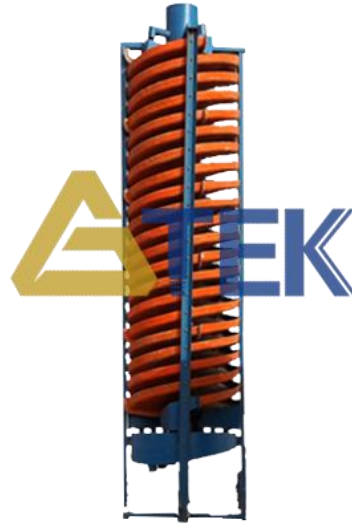


## GTEK Spiral Separator



### ● Description

Spiral Separators, which are also called spiral concentrators, are gravity devices that separate minerals of different specific gravity according to their relative movement in response to gravity, centrifugal force and other forces in the fluid medium. GTEK Spiral separators incorporate state-of-the-art design and manufacturing technology. Our spiral separators are made of high quality polyurethane with fiberglass banking and wearable corundum inner surface. Generally there are 5 turns in one start and four starts in one column. They can be used for mineral particle sized from 0.02 to 0.3 mm, with processing capacity from 2 to 4 t/h per column. 4 or 6 columns can be joined to form a bank with distributor on the top to suit capacity requirements.

### ● Application

GTEK spiral separators have extremely good performance and effects in processing mineral sand from beach, riverside, seashore and stream. Our spiral separator can be used for concentration of iron ore, ilmenite, chromite, pyrite, zircon, rutile, monazite, tungsten, tin, tantalum, columbium and other non-ferrous metals, rare metals and non-metallic minerals.

### ● Features & Benefits

1. Reasonable structure and small occupation area
2. High recovery, high efficiency, and precise separation
3. Light in weight, rust and corrosion resistant
4. Simple installation and Minimal maintenance requirements
5. Low operating cost and long operating life
6. Reliable running with minimal operator attention
7. Strong adaptability to fluctuation of feeding amount, density, size and grade

### ● Technical Specification

Model	5LL-1500	5LL-1200	5LL-900	5LL-600	5LL-400	
Outside Dia (mm)	1500	1200	900	600	400	
Pitch (mm)	540,720	900,720,540	675,540,405	450,360,270	240,180	
Pitch Dia Ratio	0.75,0.6,0.45	0.75,0.6,0.45	0.75,0.6,0.45	0.75,0.6,0.45	0.6,0.45	
Lateral Slope	9°	9°	9°	9°	9°	
Maximum Starts per Column	4-2	4-2	4-2	3	2	
Feeding Size (mm)	0.3-0.02	0.3-0.03	0.3-0.03	0.2-0.02	0.2-0.02	
Feeding Density (%)	25-55	25-55	25-55	25-55	25-55	
Capacity (t/hr)	8-6	4-6	2-3	0.8-1.2	0.15-0.2	
External Size	Length (mm)	1560	1360	1060	700	460
	Width (mm)	1560	1360	1060	700	460
	Height (mm)	5230	5230	4000	2600	1500
Weight (Kg)	800	600	400	150	50	