

Self-propelled stacking conveyor with extendable stinger and arc slewing for precise heap shaping

Controlled Stacking. Continuous Coverage. Reduced Segregation.

Carmaky's Radial Stacker is a self-propelled, tracked conveyor with an extendable stinger and full slewing capability—engineered to build consistent, kidney-shaped heaps during leach pad stacking. Designed for rugged terrain, it works in tandem with the Horizontal Index Conveyor to stack continuously while retreating, minimising downtime and maximising coverage.

Key Benefits on Site

- ✓ Build consistent, arced stockpiles across cells
- ✓ Retreats without stopping the ore flow
- ✓ Tracks, slews, and levels on rough terrain
- ✓ Extendable stinger maintains coverage during retreat
- ✓ Works in sync with Horizontal Index Conveyor

Common Applications

- Heap leach stacking with retreat cycles
- Building controlled, shaped ore heaps
- High-precision stockpile placement across lift levels and reduced segregation of ore

Standard Features

- Dual-track undercarriages (1 x rear, 2 x front)
- Hydraulic luffing boom and extendable stinger
- Slewing arc with programmable speed / indexing
- Auto-levelling on terrain up to 5°
- Generator-ready control panel
- Built to operate under full load during relocation
- **Local support from South Africa**

SPECIFICATIONS

Std length:	54 m module
Slew range:	120° (standard) up to 180°
Stinger extension:	11 m (8.5 m sweep + 2.5 m final)
Mobility:	Tracked, self-propelled under full load
Boom movement:	Luffing for variable discharge height
Typical retreat steps:	4 x 8.5 m (~34 m total)
Belt widths:	600–1500 mm
Capacity:	~300–2,000 tph (ore & config dependent)

System Role: Where It Fits

Final conveyor in the stacking system. Receives ore from the Horizontal Index Conveyor and places it precisely across the pad during retreat stacking operations.

Typical Flow:

Feed source → Grasshopper string → Transverse Conveyor → Horizontal Index → **Radial Stacker**



Options & Integrations

- Custom stinger extension lengths
- Quick-connect power/control umbilicals
- On board Generator and power changeover kit (mains to generator)
- Survey alignment markers for retreat path
- Belt covers



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