

Sealed Variable Frequency Rotary Sample Divider With 6 And 8 Bucket Options

Item Number: KT-TX



Introduction

Achieve representative material sampling with this sealed variable frequency rotary sample divider. Designed to GB474 standards, it features SUS304 construction, adjustable vibration feed, variable speed controls, dust extraction, and quick-release 6 or 8 bucket configurations for industrial testing.

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Application	Description	Key Benefit
Coal & Energy Testing	Preparation of run-of-mine coal, crushed coal, and coking coal for calorific, ash, and volatile matter analysis per GB474 standards.	Ensures complete statistical representation of bulk coal lots, reducing laboratory analytical error.
Mining & Ore Extraction	Splitting raw iron ore, sinter, pellet ore, and non-ferrous mineral fractions prior to XRF or wet chemical assaying.	Heavy-duty SUS304 construction withstands highly abrasive mineral fines without sample contamination.
Metallurgy & Coke Quality	Uniform sub-sampling of metallurgical coke, slag, flux materials, and ferroalloys in steel plant quality control units.	Handles high throughputs up to 1800 kg/h while maintaining identical particle size distribution across all buckets.
Building Materials & Aggregates	Sub-dividing limestone, cement clinker, gypsum, and raw rock aggregate samples for physical and chemical compliance testing.	Dust-enclosed operation prevents fines loss, preserving true particle size distribution in fine aggregate samples.
Chemical & Fertilizer Processing	Precision division of granular fertilizers, polymer pellets, catalyst carriers, and industrial mineral salts.	Smooth, non-contaminating stainless steel path ensures zero cross-batch chemical contamination.
Scientific Research & Third-Party Labs	Bulk sample splitting for contract research, geological surveys, and standardized reference material production.	Stepless VFD speed regulation allows precise matching of division mechanics to novel or non-standard sample types.

Specification Parameter	KT-TX-600	KT-TX-500M	KT-TX-400M
Enclosure Type	Open Type	Fully Enclosed	Fully Enclosed
Dividing Particle Size (mm)	< 6 to < 25	< 6 to < 25	< 3 to < 13
Division Ratio	1/2 - 1/8	1/2 - 1/8	1/2 - 1/8
Feed Hopper Capacity (kg)	45	40	16
Sample Bucket Capacity (kg)	10	5	2
Number of Sample Buckets	8 (or 6 optional)	8 (or 6 optional)	8 (or 6 optional)
Throughput / Production Rate (kg/h)	1200 - 1800	1200 - 1800	600 - 1200
Stepless Speed Range (r/min)	4 - 60	4 - 60	4 - 60
VFD Motor Power (kW)	1.1	1.1	0.75
Operating Voltage (V)	380	380	380
Overall Dimensions (mm)	1300 × 620 × 1300	1300 × 620 × 1300	920 × 460 × 940
Equipment Mass (kg)	160	160	100
Material of Construction	SUS304 Stainless Steel	SUS304 Stainless Steel	SUS304 Stainless Steel

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Dust Port Connection	Standard Extraction Ready	Standard Extraction Ready	Standard Extraction Ready