



Powercat C with optional Screening Machine



New lower feeding Rough Chopper auto feeds the Storage Bin



that auto feeds the Powercat A Basic Unit



The Powercat A Basic Unit



Separator Output



Air Flow & Vibration Separation Table



#1 Copper Granulate Output



#1 Copper Granulate

The POWERCAT A is a professional turn-key mini plant with the substantial capacity to process 1,200-2,500 lbs per hour with mixed cable depending on size and yield. One can expect approximately 120,000 lbs per month with a one-shift operation. This estimate includes maintenance downtime for blade changing and lubrication. The granulator is equipped with a 50 hp motor but can be upgraded to 62 hp. The power requirement is 100 amps, three phase 480V. The mini plant is shipped in a 20 ft. container with minimal on-site assembly required. Final installation assistance and training is provided by the factory.

In spite of the compact size of the plant, the granulator has an inner width of 20" which facilitates the easy conveyor feeding of the machine. The cable should be pre-sorted for maximum output and in certain cases pre-cut, if not flexible by means of a hand cutter or alligator shears. Smaller plastic cable spools, coils, bundles, and rat's nests can be fed directly onto the in-feed belt conveyor.

The Extended POWERCAT C is a highly efficient plant which uses the Powercat A basic unit and adds a pre-chopper with an automatic storage bin feeder. The 75 hp rough chopper chops all types of cable, even those with armor, and has the capability to process approximately 240,000 lbs per month with a one-shift operation. It is shipped in a 40 ft container with assistance of the final assembly/ installation and training provided by the factory. The power requirement is 200 amps, three phase, 480V and maximum power consumption of 130 hp.

The Powercat C has a high degree of automation and is best suited for customers who want to do efficient cable recycling with a minimum of manpower. The investment cost is considerably higher than the basic Powercat A unit, but your ROI is realized in a very short time. Cable is typically fed by a mobile crane, belt conveyor, or a fork lift truck with rotating forks into the hopper of the rough chopper. When the hopper is filled with material, the machine runs automatically for approx. 30 minutes before it needs to be re-fed. The storage bin automatically feeds the pre-chopped material into the granulator. Armored cable can be processed in this configuration and the Powercat C comes with a very powerful large belt magnet.

The Screening Machine can be installed as an additional piece of equipment in all Powercat plants and is placed after the separator process. There is always some copper in the insulation after the separation. The finer the wires within the cable, the larger the potential loss of copper. By means of a mechanical process, a larger part of the copper is recovered in the form of dust and fine wires. It is a simple yet efficient machine which pays for itself in about a year. It has two screen decks and classifies the material into three fractions (1) Rough Fraction—pure insulation, (2) Middle fraction- insulation containing some copper which is automatically re-processed, (3) Fine Fraction - copper dust and fine wires.

For more information, please contact:

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