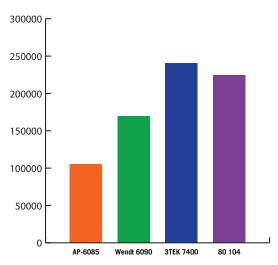
TEK TOPICS

#2

WHY IS THE AMOUNT OF KINETIC ENERGY IMPORTANT?

The simple answer is the higher the Kinetic Energy, the easier the machine can shred and liberate the scrap. The easier the rotor and hammers can shred the material, the faster it denisfies and moves through the machine. Also, the shorter time the scrap remains in the shredder, the cooler the scrap is upon emerging. A shredder's KE is like a heart rate, as it's a crucial insight to the machine's design and likely longevity.

KINETIC ENERGY IN LBS. FT.2/SECOND



	AP-6085	Wendt 6090	3TEK 7400	80 104
HAMMER SPEED				
Hammer Diameter: tip to tip in inches	60	63	74	80
Input Rotor Speed in RPM	650	650	720	600
Hammer Speed in MPH	116	133.4	158.5	142.8
KINETIC ENERGY				
Hammer Weight in Ibs.	235	230	287	330
Kinetic Energy in lbs. ft. ² /second	105,699	169,528	240,926	224,838

At 3TEK, we think differently. We believe the scrap industry is ready for a change in where it processes scrap. Everything we do is aimed at providing affordable, reliable processing and sorting equipment to the smaller yard.

