

Save Money and Energy with the ColorTrom

By: *Matt Cox*

In today's slowing economy business owners are looking for any way they can save money without jeopardizing production and product quality. Taking a closer look at inefficiencies, specifically power consumption, can be very lucrative!

Amerimulch has been working to increase equipment efficiency. After years of testing, our equipment team has refined the ColorTrom. The ColorTrom is a coloring system that uses a low horsepower trommel, rotating drum and high pressure colorant delivery system to color mulch. This extremely efficient equipment uses a quarter of the horsepower of conventional "old school", high-wear coloring equipment. The reduction in horsepower was achieved by reducing friction. Horsepower consumption is directly related to friction and wear. In the mulch equipment business this converts to huge energy and maintenance savings.

The ColorTrom uses a total combined 33.5 HP to produce 250 cubic yards per hour of colored mulch. Our equipment team has designed a machine that is not only practical and easy to use but, in most cases, will save you money. Power companies, in some cases, will pay cash incentives for replacing antiquated, inefficient equipment with a high efficiency piece of equipment like the ColorTrom. The incentives are typically cash upfront to help with the purchase of new equipment. It's as simple as completing a form provided by your power company and meeting with one of their representatives. You can go online and find these forms and information on your power supplier's website.

The sample below shows an approximate calculation to give you an idea of the cost and energy savings you could have with the ColorTrom.

	Old School Equipment	ColorTrom
Coloring System	100 HP	27.5 HP
Compressor or High Pressure Water Pump	20 HP	5 HP
Color Pump	1 HP	1 HP
Total Horse Power	121 HP	33.5 HP
Total Amperage @ 460 Volts	137.8 Amps	39.3 Amps
Volts x Amperage = Watts/1000 = KW	63.38 KW	18.07 KW
KW x .13* = Cost to run equipment for 1 hour x 8 hour shift	\$65.91	\$18.79
Savings with ColorTrom (per shift)	\$47.12	

* Price per KWH varies by region. Operating during peak hours spikes from starting and stopping equipment and the day of the week will change your prices per KWH.