



Educate and inspire manufacturing professionals by putting your educational content in Advanced Manufacturing Media’s customized and exclusive targeted eNotifier emails.

This educational platform allows sponsors to present content that is greatly trusted by subscribers to SME and *Manufacturing Engineering* products. We believe the “halo effect” of this education-first approach enhances the credibility of the content and positions the sponsor as a knowledgeable and valued resource of manufacturing expertise.

eNotifier Email Sponsors Receive:

- Company name, logo, and URL/link prominently displayed in eNotifier email template.
- Two digital ads within the eNotifier.
- Content is supplied by the sponsor and professionally developed into HTML by *Manufacturing Engineering* editors to maximize readership and click-through.
- Sponsor URL is embedded and linked in editorial content.
- Sponsor photos or graphics used to illustrate content.
- Ability to target readers by geography or demographics in quantities from 10,000 to 50,000.
- Post-deployment report provides open and click-through data available.

GET STARTED!

You provide the creative and copy, we build the HTML.

We need: sponsor name, logo and URLs (logos should be provided as .jpg or .gif files and be under 100 pixels tall by 300 pixels wide).

eNotifier Advanced Manufacturing Media

Energy-Efficient Machine Tool Technologies, For Any Shop

LOKUMA

In January of 2010 the government advocacy program, One Voice, surveyed metalworking companies to quantify trends in energy costs. The results were alarming. Participating companies and shops reported an average annual energy cost of \$184,500, with 66% of them projecting an average increase of 11.67% over the course of the next year. Based on the numbers, each of these shops could see an energy cost increase of \$21,541 in just one year.

When you start to examine the hidden costs associated with the CNC machining process, the numbers are actually no surprise at all. Machine tool idling, unnecessary pump rotation and the continuous running of peripheral equipment are just a handful of the energy guzzling costs associated with these machines.

With rising energy costs of this magnitude chipping away at profits, one has to ask what can the individual shop owner do to keep their energy costs down?

The answer is simple.

When CNC machines are managed properly by adopting to energy-efficient technologies, manufacturers of all sizes are able to control their financial and economic destiny.

By using energy-efficient technologies, such as Okuma's ECO suite technology as a part of [OSP suite](#), advanced machine tool technology can be used as a highly effective energy-saving tactic.

[ECO suite](#) is a next-generation system that saves energy by reducing the power consumption during both machine operating and waiting times. ECO suite includes four new intelligent control applications that save on unnecessary energy expenditures, and the results can be quite dramatic.

Following are the features you can benefit from with this system:

- **ECO idling Stop** – The world's first application that stops machine tool idling. ECO idling Stop has shown energy savings up to 74 percent during non-cutting operation over a one month time frame. Using Okuma's Thermo-Friendly Concept, this feature monitors the cooling status of the milling and turning spindles and automatically turns them off when cooling is complete.
- **ECO Power Monitor** – This allows operators to see how much energy is being used and saved. The machine tool's display shows power consumption for spindles, feed axes and peripheral equipment.
- **ECO Hydraulics** – This optional feature provides accurate machining control at a very low rotation speed minimizing unnecessary pump rotation during dwell pressure applications. Rotation is optimized by combining the servo control technology on the machine tool with high efficiency hydraulic pumps. Demonstrations have shown a 63 percent reduction in power consumption.
- **ECO Operation** – Operators set time limits for peripheral equipment, automatically stopping them after cutting is finished.

By totaling the energy savings from the features shown above, it's clear that

LOKUMA
ECO suite

Powerful tools for successful