



*Cleveland Motion Controls, Inc.*

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## **PREVENTATIVE MAINTENANCE PROGRAM**

This plan has been developed by Cleveland Motion Controls to assist customers in minimizing machine downtime. These services provide the following distinct advantages to keep your equipment running:

- A CMC field service engineer will go through your controls system and repair any potential problems that may be developing. A complete preventative maintenance will be performed.
- The equipment will be tuned to optimize production capability.
- Inspect motors and feedback devices. This includes motor brushes, operating temperature, encoders, resolvers, transducers, couplings, etc.
- A concise spare parts recommendation will be made. This will help you keep an adequate stock of replacement parts on hand, in case of a failure the machine can be back up and running quickly. This is also an important on-going service. As your equipment does get older, lead times on spare parts may increase. There may be no need for you to stock a particular circuit board today because it is readily available, however; down the road that may not be the case.
- Your maintenance personnel can be trained\* on common failures and corrective actions. Also, the proper installation of spare parts will be covered.
- On-going nuisance or intermittent problems can be addressed.

**\*Additional training can also be provided at a more in-depth level.**

CMC's PM service covers most all industrial processes. We not only maintain this type of equipment but also start-up these machines regularly. The following is a list of industries and machines CMC has had expertise in for over 40 years:

- Steel Industry: Cut-to- Length lines, Slitting lines, Rolling Mills, Wire Draw, Pickling lines, Coating and Painting lines, Inspection lines.
- Web Tension Industry: Printing Presses, Laminating lines, Calendars, Winders and Unwinds, Tape and Specialty lines.
- Plastic and rubber: Extruders, Bag Machines, Tire Testers
- Specialty Machines: CMC has done many R&D one of a kind machines for customers.

CMC has developed standard options to help fit your individual needs (custom plans can be designed if you have multiple machines in one facility or any other special requirements).

### One Day

- One annual visit scheduled.
- 1 (8-hour) day scheduled on site.
- Cost is at reduced field service rates, 25% discount, with travel and expenses included.

### Two Day

- Semi-annual visits scheduled at 6-month intervals, or customer can use as a two-day visit.
- Each visit is 1 (8-hour) day on site.
- Cost is at reduced field service rates, 35% discount, with travel and expenses included.

Additional days are available @ the 35% discount.

## **CURRENT PREVENTATIVE MAINTENANCE RATES AND CONDITIONS**

Option 1	1 Annual visit	\$1,300 *
Option 2	2 Semi-annual visits	\$2,300 *

**Custom plans are also available for special needs. Please contact CMC to discuss these opportunities.**

\*Preventative maintenance can be scheduled at time of purchase. Scheduling of PMs must be done in advance, typically two weeks. Scheduling can be made to coincide with machine shutdowns or other preventative projects. If problems are discovered and service is required beyond the scheduled time periods, service will be available at current field service rates and conditions. *These rates apply to local based service only and are subject to change.*

*\* These price effective September 2008 and are subject to change without notice*

Please contact CMC field service @ 1 800 321-8072 with any questions or to schedule a preventative maintenance visit(s).

Sincerely,

John Powell - Field Service Supervisor  
(216) 642-5145

Jennifer Kearney – Field service Coordinator  
(216) 642-2123