If you could control
the entire shop floor
from your desktop,
you'd call that
extreme control.

COOPER Tools

Now you can with the new Cleco Tightening Manager Communication Software, TM-COM.

The new TM-COM Software gives you the ultimate in control. It enables you to sit in your office and be connected to every Cleco Tightening Manager controller out on the plant floor, through the PC on your desktop.

That means you can monitor each of those controllers – or even *change* what's going on inside each one by re-programming it – without having to set foot outside of your office. Even if your plant has different controllers in different departments or assembly stations, they can all be under the control of a tool engineer or process engineer or anyone who's charged with making sure that the plant's fastening activities are performing to standards.

The beauty of the Cleco Tightening Manager system has always been that you could walk up to the controller and see real-time fastening results on its screens. But now anything you can see on the controller, you can see in your office, because the exact same screens will be on your PC. So, if you're watching the screen that gives you a fastening histogram, for example, and you notice that the torques are beginning to overshoot, you can re-program that controller to adjust the speeds that'll give you better control – all from the computer on your desktop.
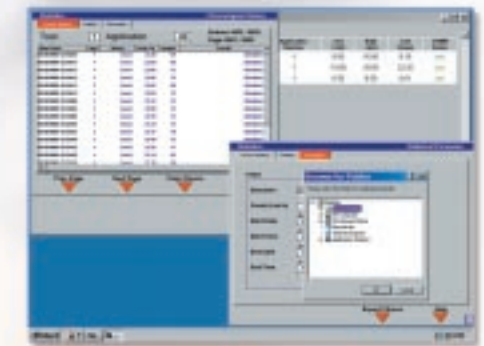
The new TM-COM Software from Cleco increases your efficiency and productivity. It improves your production line speeds. It makes trouble-shooting quicker and easier. And, since time is unquestionably money, it significantly enhances the bottom line.
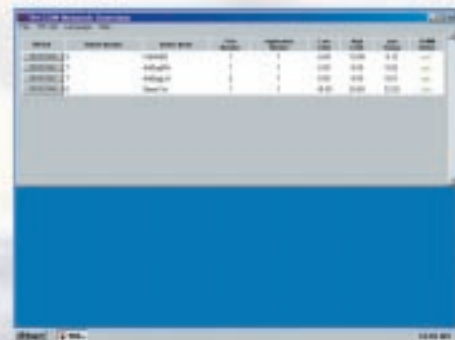
Going forward, you'll benefit by being able to keep a historical record of all fastening operations (that's totally impractical on a controller-by-controller basis).

And, since we'll be continually improving our software to provide you with new features and benefits, TM-COM will allow you to download software enhancements to your desktop and upgrade each controller from one location.
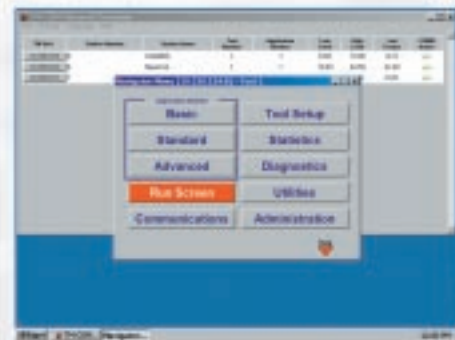
The new TM-COM Software from Cleco delivers the ultimate in control, because it empowers you to control your controllers.

You can review the chronological history, review statisical graphs, and even export the data to your PC for further analysis or future reference.

Network Overview Screen lists all Tightening Managers connected to the network.

Clicking on an IP address launches a detailed communication session with the TME associated with that IP address. The initial screen in this session is the familiar TME Navigator Screen.
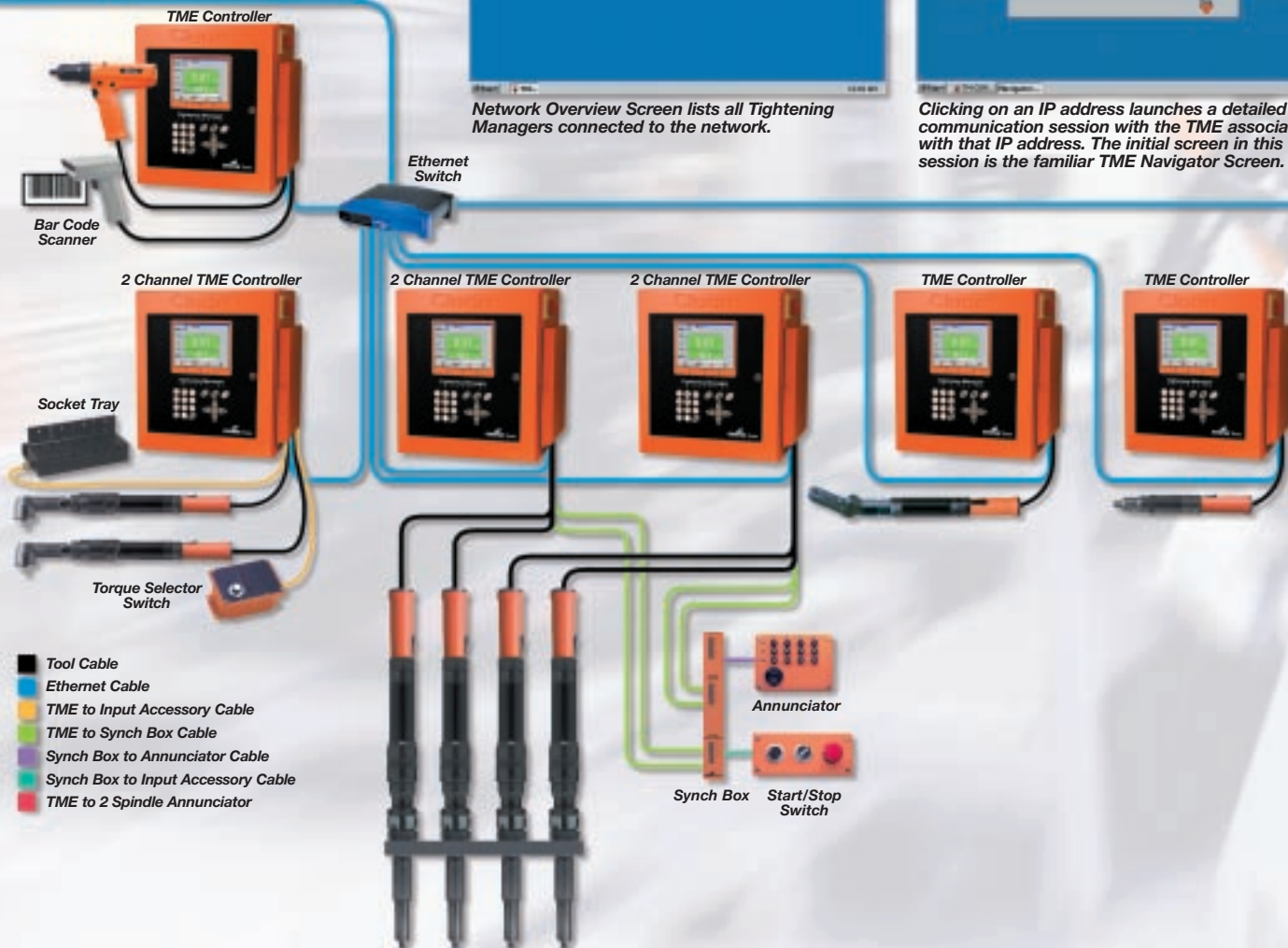
From the Navigator Screen, you can access all the programming screens available on the TME. For example, you can view and change the torque parameters.

You can launch sessions with multiple TMEs connected to your network. For example, you can monitor the Run Screens on four TMEs.

You can also launch multiple sessions to the same TME so you can monitor the Run Screen and the Oscilloscope at the same time.

TME Controller

Bar Code Scanner

Ethernet Switch

2 Channel TME Controller

Socket Tray

Torque Selector Switch

2 Channel TME Controller

2 Channel TME Controller

2 Channel TME Controller

TME Controller

TME Controller

Annunciator

Synch Box   Start/Stop Switch

2 Channel TME Controller

Start/Stop Switch

Annunciator

Ethernet Switch

TME Controller

2 Channel TME Controller

TME Controller

Socket Tray

Torque Selector Switch

TME Controller

2 Channel TME Controller

2 Channel TME Controller

Annunciator

Synch Box   Start/Stop Switch

■ Tool Cable
■ Ethernet Cable
■ TME to Input Accessory Cable
■ TME to Synch Box Cable
■ Synch Box to Annunciator Cable
■ Synch Box to Input Accessory Cable
■ TME to 2 Spindle Annunciator

Cleco®

Network Software

Part Number	Description
TM-COM-V2.01*	Software only
543448	Notebook computer loaded with TM-COM *(Carrying case included)*
543449	Desktop computer loaded with TM-COM *(Monitor, keyboard and mouse included)*

Minimum System Requirements

Operating System: *Windows 2000, NT or XP*
Processor: *Pentium*
Memory: *256MB*
Free Disk Space: *10MB per TME controller*
Other: *Ethernet connection, MS Office 2000*

Accessories

Ethernet Switches

Part Number	Ports			Approx. Dimensions		Approx. Weight	
	Total	In	Out	Inches	mm	Lbs.	Kg
543444-5	5	1	4	4.5x3.5x1.5	110x90x30	0.4	0.2
543444-8	8	1	7	6.5x4.5x1.5	160x110x35	0.6	0.3
543444-16	16	1	15	7x6x2.5	185x150x65	1.1	0.5
543444-24	24	1	23	10.5x7x2	270x170x50	3.0	1.3

543444-8   *543444-24*

Patch Cables

Connects Ethernet Switches to TME or PC

Part Number	Length	
	Feet	Meters
543445-7	7	2
543445-25	25	7.5
543445-50	50	15
543445-100	100	30

543445-25

Crossover Cable

Connects TME drect to PC

Part Number	Length	
	Feet	Meters
543446-7	7	2

543446-7

MARCH 2003