

ELC110220 Electric Torque Controller

Job Set-up Is 2 To 3 Times Faster, Even For Inexperienced Operators

Introduction

Setting up a tube expansion job can be a challenge. First, one must consider what equipment is required for the job. Since time is money, it is imperative to begin the tube expansion as soon as possible without sacrificing the accuracy or consistency of the tube rolling.

Calculating the rolled tube ID correctly is critical to prevent over or under rolled tubes and joints. If not rolled properly, the operator may have to do the job all over again. Costs associated with labor, rework, production downtime, and scrap mean that making one math error can have expensive consequences! Wouldn't it be nice to have calculations built into the torque controller to prevent these errors from occurring?

With Elliott's ELC110220 Electric Torque Controller, you can! Set-up is quick and easy – the control works with 110V or 220V, automatic or manual reverse rolling motors. Additionally, with a few simple inputs, the Embedded Logic Controller (ELC) allows you to reach the target ID accurately, typically on the first attempt.

Elliott Tool Technologies has introduced the ELC110220 Electric Torque Controller – the first torque control with an Embedded Logic Controller that senses and is compatible with both 110V and 220V and automatic and manual reverse rolling motors.

ELC110220 Overview

Set-up is easy and two to three times faster, even for inexperienced operators. Simply plug the controller into the power source and turn the unit on. You can choose one of three modes: automatic, assisted, or manual to suit your individual rolling needs.

By choosing automatic, the unit's Embedded Logic Controller guides the operator through step-by-step questions to attain the correct rolled target ID. The ELC greatly minimizes the chance for error which can have costly consequences. Once the target ID is known, this innovative program allows the ID to be achieved typically on the first try by setting the correct torque limit. So tube expansion can begin without delay, frustration, or error!



The ELC110220 Electric Torque Controller is offered exclusively by Elliott Tool Technologies. It is the first torque control with an Embedded Logic Controller that senses and works with 110V and 220V and automatic and manual reverse rolling motors.

If you prefer to enter your own torque limit but want the ELC to calculate the target ID, you can use the assisted mode. Furthermore, if you need to do your own calculations due to ISO standards or company policies, simply choose the manual mode and enter your desired torque limit and target ID. You're ready to roll tubes in no time.

Whereas other competitors require two or more torque controls to accommodate different rolling motors or voltages, the ELC110220 can be used with auto or manual reverse motors, 110V or 220V. No more worrying about which controller or motor to bring to the job site because the ELC110220 is all you need!

Additionally, the torque controller is CE Mark and UR & RoHS complaint for operator safety.

Elliott's ELC110220 Electric Torque Controller allows you to begin and continue tube expansion safely, quickly, and accurately for the highest quality job possible!



Scope of Supply

The ELC110220 Electric Torque Controller package includes the following components:

- Electric Torque Controller unit.
- Controller Power Cord: North American, Continental Europe, or United Kingdom.
- Operator's Manual in English and Spanish.

The following spares and accessories are also available for use with the electric torque controller:

- Electric Rolling Motors:

Tube Size	110V		220V	
	Auto	Manual	Auto	Manual
1/4 – 3/4"		440KET2-7P	447200A-7P	
5/8 – 1"	M5701A00-7P		445700-7P	
1 – 4"		447100-7P		447100-220-7P

- Motor Adapter Cord: Enables the torque controller to be used with your standard rolling motor.
- Controller Power Cord: Additional available for North America, Continental Europe, and the United Kingdom.

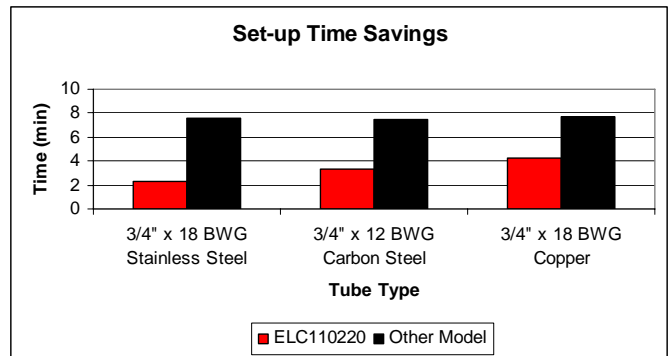
For additional information on these and other spares and accessories for the ELC110220, please contact Elliott Tool Technologies.

Specifications

- Three Modes of Torque Control: Automatic, Assisted, and Manual.
- Amperage: 20 Amps.
- Hertz: 50 / 60 Hz.
- Voltage: 100V to 240V.
- Tolerance: +/- 40 milliamps.
- Temperatures: 0°F to 120°F. (-18°C to 49°C).
- Dimensions: 8" x 6.5" x 6.75". (20.3 cm x 16.5 cm x 17.1 cm).
- Weight: 3.6 pounds (1.6 kg).
- Supported Languages: English, Spanish.
- CE Mark.
- UR & RoHS compliant.
- ELC has a backlit liquid crystal display for use in low light conditions.
- Fuse holder accounts for domestic and international fuses for transformer protection.

Set-up Time Savings

The ELC110220 Electric Torque Controller is both quick and simple to set up so that you can begin tube expansion two to three times faster than with most other models. Shown below are the set-up time savings of the ELC110220 versus another torque control model. This set-up time includes the actual set-up as well as time to achieve the final rolled diameter for three different types of tubes.



Elliott can help you determine if these or other savings are possible. Together we can review particulars in your operation to accurately determine your return on this new torque controller.

Contact Us

To learn more about the ELC110220 Electric Torque Controller, contact your local support or Elliott Tool Technologies.

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Local Support

