



TORIN

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Z Series & CNC Control Upgrades

Is your aged machine at risk for a breakdown?

Control Upgrades are available for older Torin servo controlled coilers. Give your machine a complete control upgrade including Torin software with the latest FZ Series features. With this package, eliminate the risk of relying on obsolete components, and other issues including:

- Low production rates
- Poor quality springs
- Downtime resulting in reduced productivity & profits
- Worn mechanics

Discover the best solution for your machine:

Control Retrofit: Complete replacement of obsolete components and all controls with state of the art system currently implemented on new coilers:

- Low cost alternative to new capital expense
- Minimize future downtime for repairs
- Increase reliability of your machine
- Modernized platform ensures your machine can be supported for years to come
- Reduced set up time
- Multiple languages available for a diverse workforce
- Modern, intuitive touch screen provides ease of use while maintaining Torin® spring programming method
- All standard FZ Series features including Torin's *Spring Shortcut* spring program generator and *Spring Portal*, enabling connectivity for remote diagnostics and programming
- Upgrade to servo motor cut on selected models
- Full inspection of mechanics and recommendations of repairs

To learn more, contact your FENN representative today!



Z11 Before



Z11 After



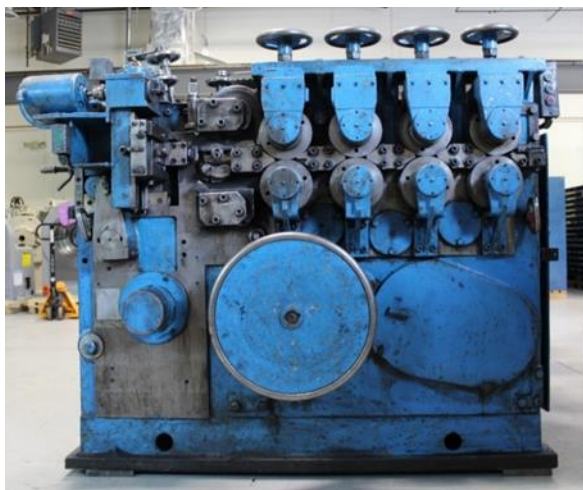
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Retrofit Program for W Series Mechanical Coilers

FENN's Electrical Retrofit program provides unmatched value: our highly knowledgeable, experienced engineers and factory technicians enable FENN to deliver retrofitted equipment at a **fraction of the cost of a new machine**. Let us help you maximize the potential and output of your mechanical Torin Spring coiler with our CNC technology, all backed by our **1 year retrofit warranty!** Retrofit benefits include:

- **Precise, variable speed servo control** of feed and cam shaft independently, allows for cam shaft reversals and eliminates need to change gears or adjust feed crank gears, clutches and brake.
- Variable speed and position control of the cam shaft enables **greater flexibility when making complex springs** such as multiple diameter changes. This also enables you to expedite set up by adjusting the timing of the cam shaft via offsets in the spring program rather than re-clocking the cams mechanically.
- **Unlimited accurate feed length** provided by precise servo control- without change gears
- **Integrated probe** interface enables precise clocking of springs
- Retrofitted machines become simplified with **fewer mechanical parts that need future replacement**. Clutches, brakes and feed crank gears are all eliminated
- **Valuable mechanical parts** that become obsolete in the retrofit process are crated and shipped back to you for use on other machines, or disposed of at your discretion
- **High quality OEM parts** keep your Torin machine running at optimum performance
- Save time and labor when you **reduce set up time** with modern Torin programming



W24S Before



W24S After