

# **TORIN**

# **SPRING COILERS**

## Revolution Series Dual Point

- Programmable horizontal pitch & vertical (wedge) pitch
- Programmable servo elliptical cutter motion

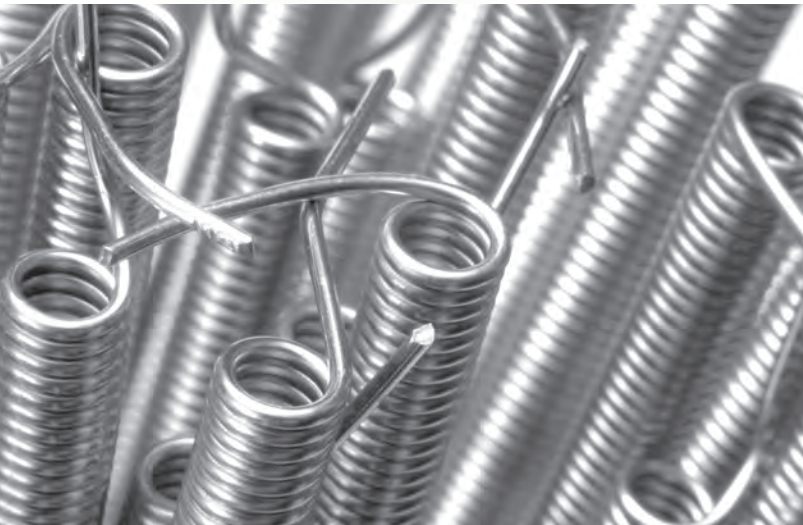






## Standard Features

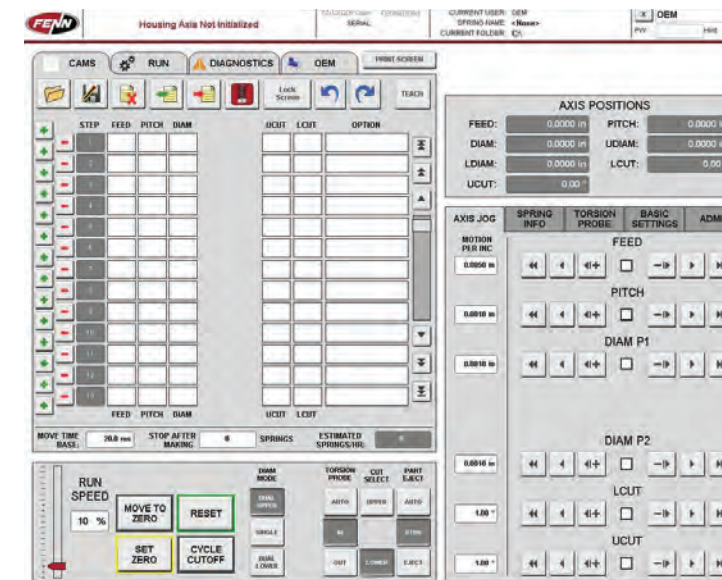
- **Left-hand or right-hand coiling**  
Save on set up time with three programmable axes for diameter allowing quick, 2 screw, changeover from left-hand to right-hand spring helix.
- **Movable wire lines**  
Save time and get production up and running faster with the multi wire line tooling. Wire line tooling does not need to be changed with the wire size.
- **Common guides and feed rolls**  
Compatible with your existing Torin machines
- Heavy-duty construction
- High speed
- High accuracy
- Tight index spring production
- User-friendly operator interface
  - Torin's latest software combines many high-tech features paired with our classic CNC-style programming, making training easy for current Torin operators
  - Available in multiple languages to accommodate a diverse workforce
  - Complete system diagnostics accessibility
  - Spring Jog Mode allows the operator to step through the program; highlighting each operation on the CAMS screen
- Ergonomics
  - Remote hand wheel for easy setup
  - Pendant-style operator interface with 19-inch touchscreen display
  - Easy accessibility from all sides, including a full door to access the back of the machine face ensures quick, easy maintenance
- Industry-leading 2-year warranty



**SPRINGPORTAL** allows for secure connection to your machine by a FENN technician. Our technicians can remotely access your machine to provide software updates, diagnostic support and access machine set-up conditions. FENN's real-time video feature allows our technicians to see exactly what's happening with your machine and help you resolve issues quickly

### Spring Shortcut Spring Program Generator

- Accelerates the spring program development process by allowing the operator to enter a few key characteristics to generate a spring program
- Allows less experienced spring operators the opportunity to learn by making minor adjustments to generated programs rather than developing the entire program
- Shortened setup enables more time for profitable production runs



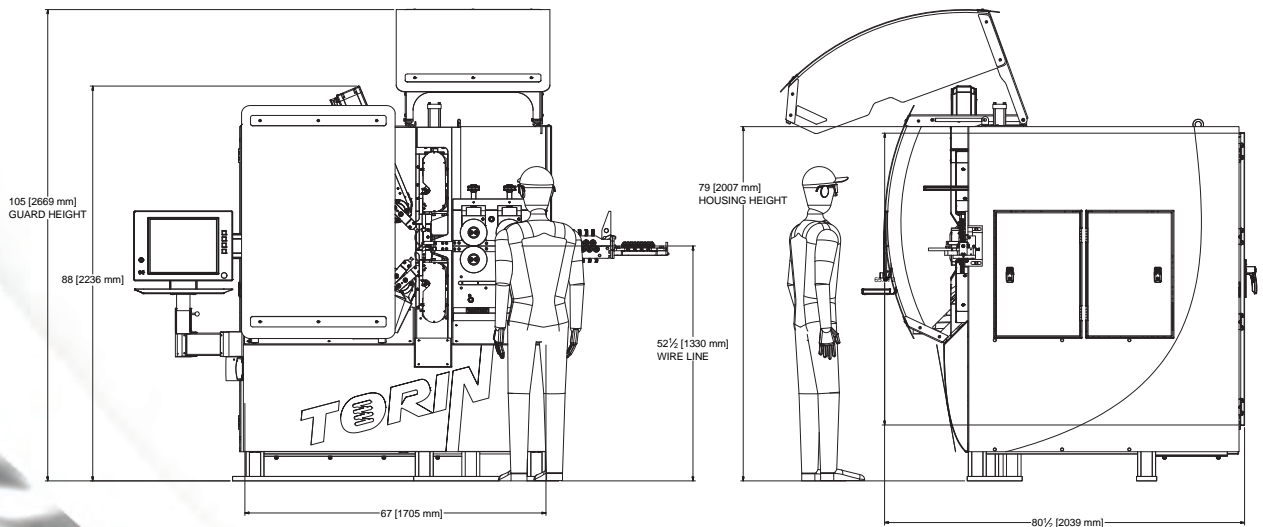
## Optional Features

- **Length gauge interface**  
For custom supplied length gauge such as a Larson or Moyer for on the fly, automatic adjustment of free length
- **Laser probe**  
Provides precise feedback of spring geometry to the control system, enabling the spring maker to control critical dimensions such as the angular clocking of torsion legs and extension hooks
- **Part handling devices**  
Dump troughs, conveyor belts, ejection devices
- **Wire straighteners**  
High-quality two-plane wire straightener eliminates cast in the wire, resulting in higher quality springs
- **Custom-configured programmable inputs/outputs**  
Enables the connection of secondary inline equipment
- **End of wire sensor**  
Signals the operator when the wire has run out or will shut the machine down for lights out production
- **Tool breakage sensor**  
Sensor will stop the machine, preventing further damage if a tool breaks or malfunction in the set up
- **Custom auxiliary attachments**  
Available to suit your complete forming needs
- **Cutter height adjust**  
Fully programmable cutter height adjuster
- **Wire de-reelers/payoff**

Machine Size		0	1	1-1/2	3	2-1/2	3	4	5
<b>Model #</b>		<b>R 10</b>	<b>R 11</b>	<b>R 115</b>	<b>R 12</b>	<b>R 125</b>	<b>R 23</b>	<b>R 24</b>	<b>R 25</b>
<b>Wire Diameter</b>	in	.008 – .028	.015 – .080	.032 – .135	.047 – .177	.080 – .275	.125 – .375	.250 – .625	.375 – .750
	mm	.20 – .70	.40 – 2.0	.80 – 3.5	1.2 – 4.5	2.0 – 7.0	3.2 – 9.5	6.35 – 16	9.5 – 19
<b>Minimum Index</b>		3	3	3	3	3	3	5	5
<b>Spring Box Max.</b>	in	.875	1.75	2.25	3.25	4.25	5	6	10
	mm	22	44	57	83	108	127	152	254
<b>Feed Length</b>		Unlimited							

All dimensions subject to factory confirmation. Dependent on the spring geometry, larger sizes are possible. Contact FENN with your specific application.





### A Trusted Leader in Custom Engineered Metal Forming Machinery

FENN has been designing and building rugged, dependable metal-forming machinery for more than a century. From initial design to manufacturing and equipment support, FENN has a full team of experts, including customer service technicians, product managers, and engineers, to ensure your project's success.



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**All FENN machinery is proudly designed and built in our USA headquarters.** Contact us today to see how FENN can customize a metal forming machine that is best suited to your application requirements.

Specifications subject to change without notice. Not responsible for typographical errors.  
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