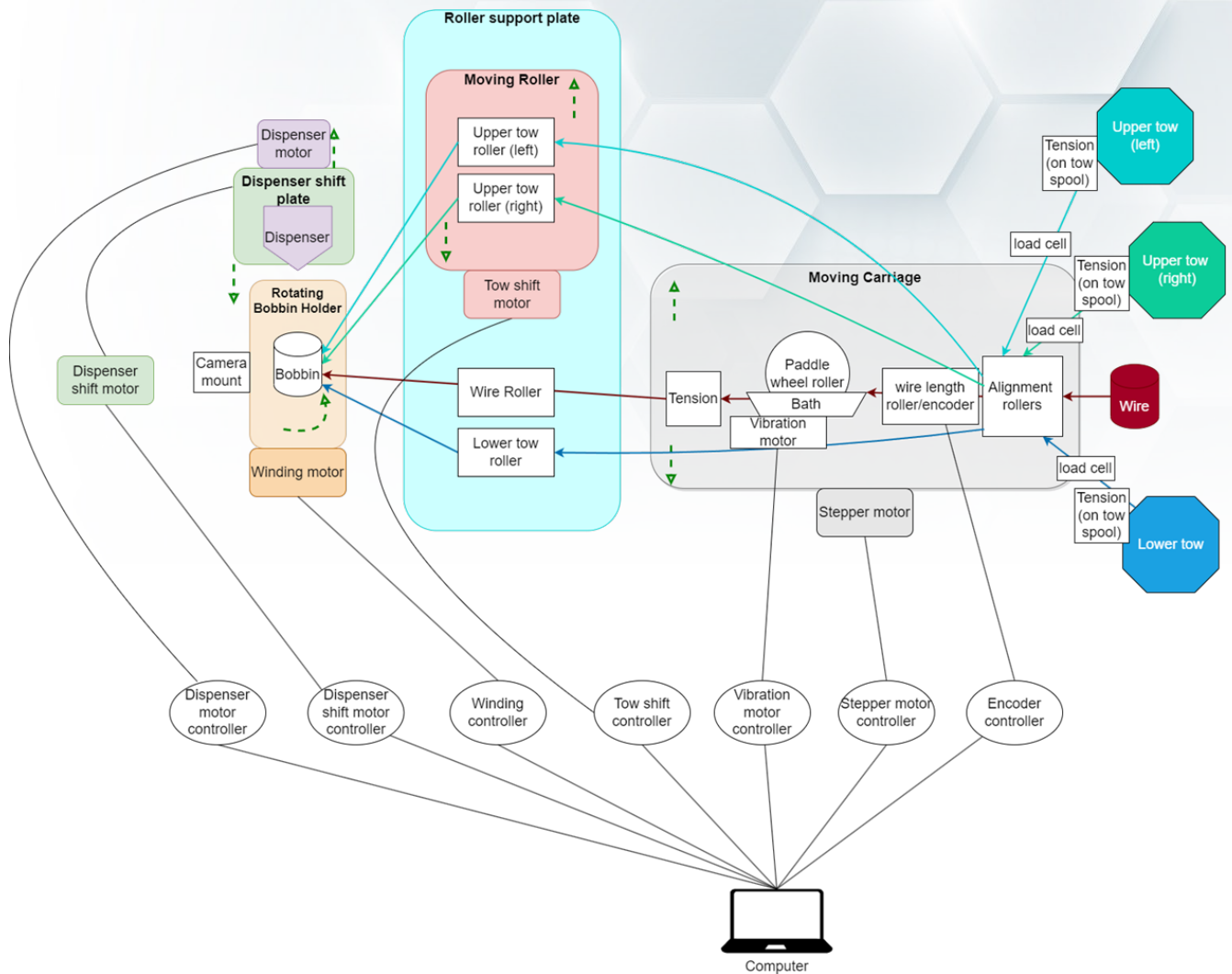


# Desktop Filament Winder Customization for Your Application

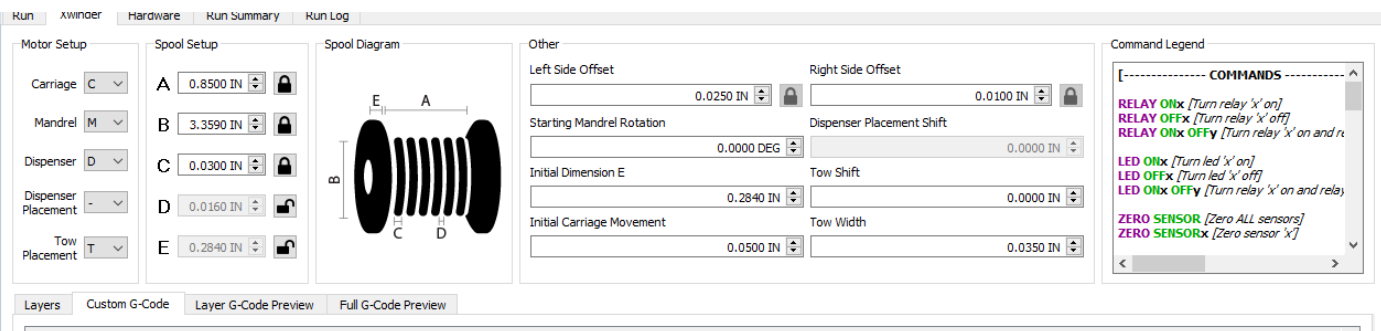
As part of a NASA Phase II SBIR project, HiFunda has developed the ability to customize a commercially-available desktop filament winder for making high-temperature electromagnets. This customization service is now available to others which will save time and money. Contact HiFunda to discuss your application and customization requirements.



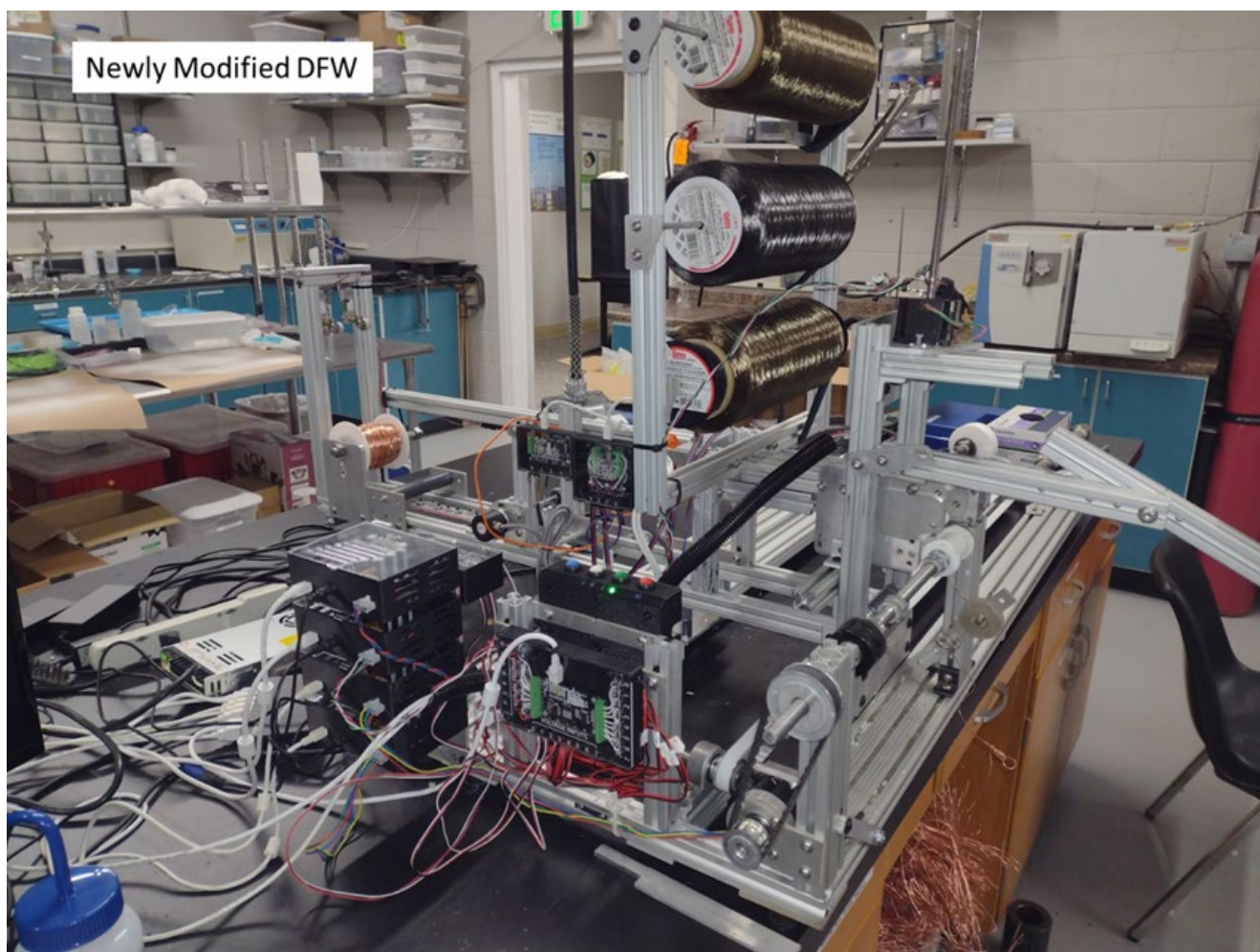
## Customization Features

- Multiple tow feed spools for different positions (top, bottom), materials, and/or filament count
- 4-axis position control (x, r, tow, dispense) that is expandable
- Auto-zeroing and homing features
- Robust frame
- Environmental condition monitoring (T, P, RH)
- Automatic generation of run logs
- Wire length encoder
- Tow tension monitoring
- Tow position control
- High resolution wind speed control
- Apply epoxy or other potting materials using conventional immersion bath and/or dispense at rotating mandrel with controlled dispensing rate and position
- Vibration if desired for enhanced mixing and tow impregnation in immersion bath
- Customizable wind control user interface
- Significant nonrecurring cost savings

# Desktop Filament Winder Customization for Your Application



Example Custom User Interface for Desktop Filament Winder



HiFunda's Custom Desktop Filament Winder for Making High-Temperature Electromagnets



HiFunda works with customers to solve their most demanding technical challenges to develop and commercialize new materials and technologies

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