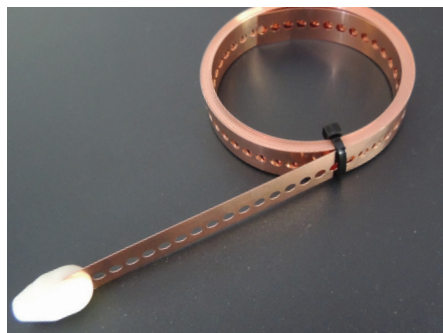


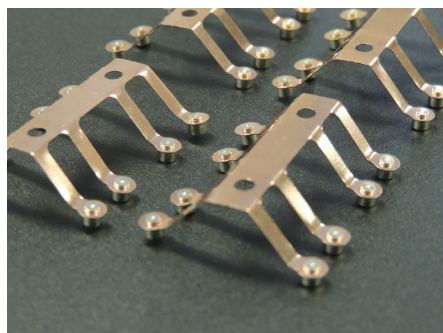
The best antennas in the world keep getting better!

AND THE LIST GOES ON...



NEW COPPER STRIP INDEXING 01/21

Our engineering team completely redesigned our copper strip indexing and crowning system, with completion and introduction to the market in January 2021. The project included extensive design and testing, along with a near total configuration of the entire system. The resulting improvement in accuracy, pitch and repeatability is now producing the most consistent and reliable product we have ever had.

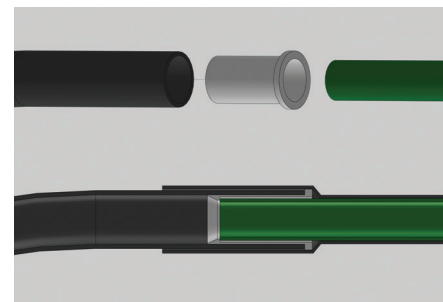
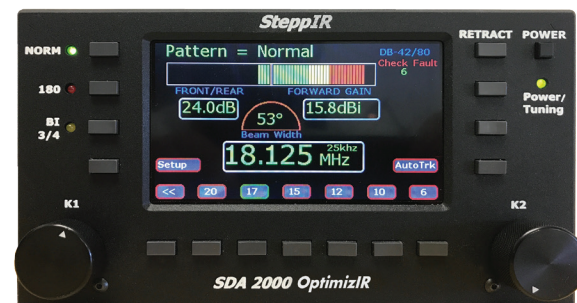


NEWLY DESIGNED BRUSH/CONTACT ASSEMBLY 04/22

The new element housing unit (EHU) brush/contact assembly has greatly reduced friction buildup, with an average 36% friction reduction over the product life-cycle. The new assembly achieves this advantage without affecting product life expectations.

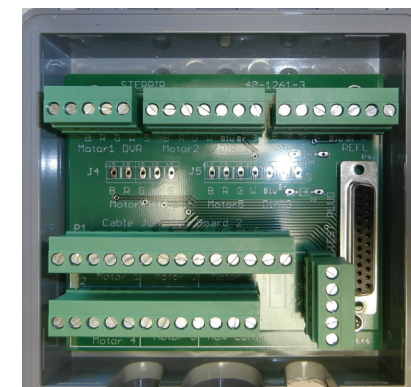
INTRODUCTION OF OPTIMIZIR 2.0 CONTROLLER 10/23

Robust, commercial grade grounding of controller circuitry, easy firmware updates, expanded memory, full remote control capability (coming soon).



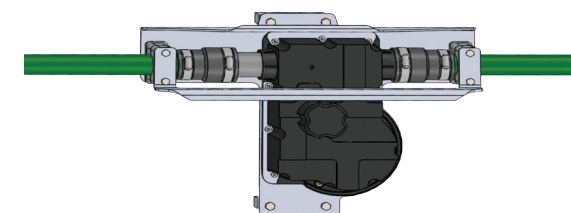
NEW 40/30 SWEEP ASSEMBLY 06/22

The redesigned sweep system for our 40/30 loops makes the installation significantly easier and reduces potential for friction build-up. This system includes a sweep diverter for the sweep return, that ensures that the copper conductor always has a clear path through the sweep material.



PRE-WIRED CONTROL CABLE ON ALL NEW ANTENNA PURCHASES 10/23

With the factory pre-wiring and testing, wiring is greatly simplified for all antenna products. Eliminates potential new-installation wiring issues; Virtually plug-and-play on wiring; Connection junction box terminal strips also prewired; Standalone prewired control cable for existing antenna installations also available.



REDESIGNED ELEMENT MOUNTING PLATES FOR YAGI ANTENNAS 03/24

Our new reinforced mounting plate assembly for the element housing unit (EHU) is significantly stronger. This design redirects stress from the forces on the fiberglass poles away from the EHU and directly to the boom, greatly reducing the potential for damage in high winds or ice loading!

IMPROVED ALP DRIVER BOARD 05/20

Improved circuitry and introduced driver chip circuit board modules. The driver modules allow for flexibility in design/parts changes and guard against increasingly common parts obsolescence in the electronics industry

LOADING COIL PCB UPGRADES 12/22

The coil PCB's for BigIR, SmallIR and StealthIR were redesigned, with significant improvements for high voltage operation, including increased air gaps and better radius of RF traces and pads

STAINLESS STEEL CONTROLLER HOUSING - OptimizIR 2.0 12/23

Improved grounding and corrosion resistance.

NEW ALL RELAY CONTROL BOARD 01/24

Handles dead short condition on the relay control lines; withstands over 5 kV coupled to control lines; Reduced RF noise.

IP 65 WEATHERPROOF STEPPIR MOTORS UPGRADE 05/24

New stepper motor provides water resistance upgrade and also has higher torque than the original stepper motors.

HIGH PERFORMANCE BALUN 05/24

High power saturation design with accompanying external choke; Improved high frequency performance.

NEW ACETAL (DELRIN) SPROCKET SHAFT 07/24

53% higher overall strength improvement.

innovation

At SteppIR, we offer the best performing antenna products in the world – the laws of physics agree with us! There is no substitute for a length adjustable, frequency optimized antenna, and we have been proving that over-and-over for the last 23 years. 4 years ago, our engineering department decided to embark on a QUEST to make our products not only the highest performing, but also the most reliable. This is a partial list of what we have accomplished!



FOR DETAILS ON PRODUCTS AND TO ORDER: www.steppir.com 425-453-1910