



NEW PRODUCT ANNOUNCEMENT

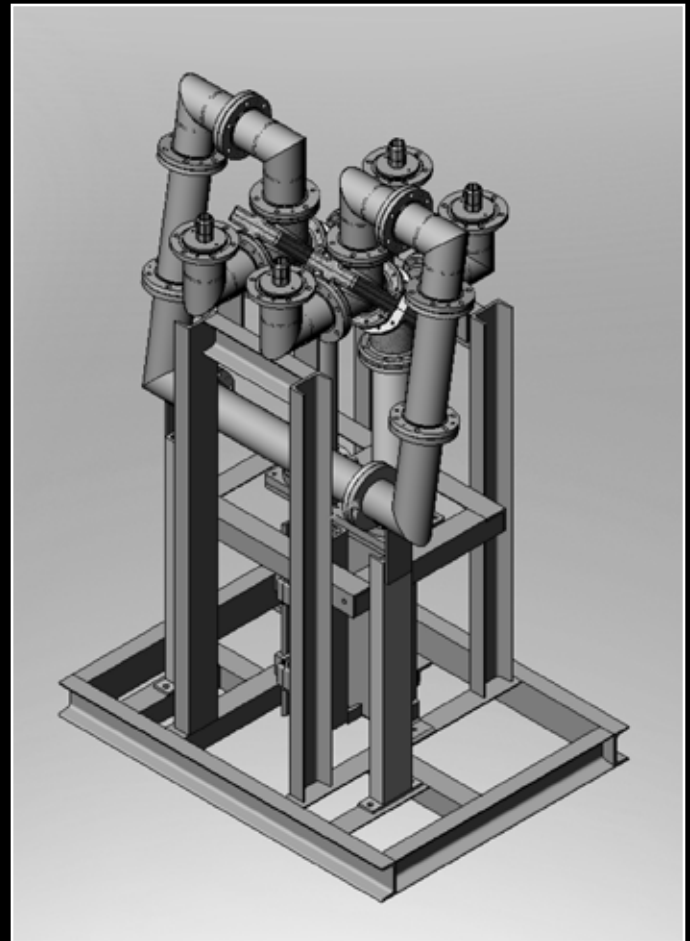
Coaxial UHF Switchless Combiner

ERI's switchless UHF power combiner provides the means to combine two similar sized UHF television transmitters into a single output. The coaxial design is compact and less expensive than waveguide type systems. The switchless combiner is available in configurations capable of up to 15 kilowatts of combined power output and are configured in either a floor mounted frame or optimized for suspension from a ceiling or wall mount. The combiner system allows either transmitter to be switched, independently, to the combined power output or to a system test load. The switching can be done under power so there is no loss of air time. High isolation between the two transmitters being combined is achieved by using high precision cross-over quadrature hybrids which are fine tuned to the required channel.

The system can be configured with a variety of options including: directional couplers, to measure forward and reflected power; local and remote control panels; fine matchers; and air or water cooled RF test loads. The combiner is factory assembled in a welded frame that is suitable for floor mounting or can be configured to hang from ceiling beams or wall brackets.

Features/Benefits

- Combines two UHF television transmitters into a single output
- Available for all Band IV/V channels (to 862 MHz)
- Switching can be done under power
- Compact coaxial design
- High isolation between ports
- Low insertion loss
- Fast switching time



Combiner Specifications

Power Handling Capability:	15 kW, combined
Frequency:	UHF Band IV/V (470 MHz to 862 MHz) Any single 6, 7, or 8 MHz channel
VSWR:	1.08:1 over pass band 1.15:1 maximum during changeover
Insertion Loss:	0.15 dB, maximum
Input Isolation:	30 dB minimum
RF Inputs*:	7/8-inch, 1-5/8-inch, or 3-1/8-inch EIA
RF Output*:	1-5/8-inch or 3-1/8-inch EIA
Impedance:	50 ohms

*For inputs/outputs other than 3-1/8 inch transitions will be required.