

# *iQ* Series EZ Ultrasonic Stapler



30 kHz 600 Watt *iQ* Series



The new *iQ* EZ Stapler makes blister/clamshell sealing easier than ever. The welding process itself is activated with a foot-switch once the packaging material is properly positioned. The easy to learn process helps make for faster cycle times.

Dukane's patented *iQ* 30kHz 600 watt generator controls the *iQ* EZ Stapler. With custom tooling, a wide variety of weld patterns or spot welds can be created. The stapler can be put on a workbench, or wall-mounted on its own support structure.

The *iQ* EZ Stapler can weld films, non-woven materials, coated and laminated packaging, and foil packages. Thermoplastics such as PET, PERG, PE, PP, PVC and PVA are all appropriate for use.

Like all of Dukane's Intelligent Assembly Solutions products, the *iQ* EZ Stapler can be integrated into an automated system.

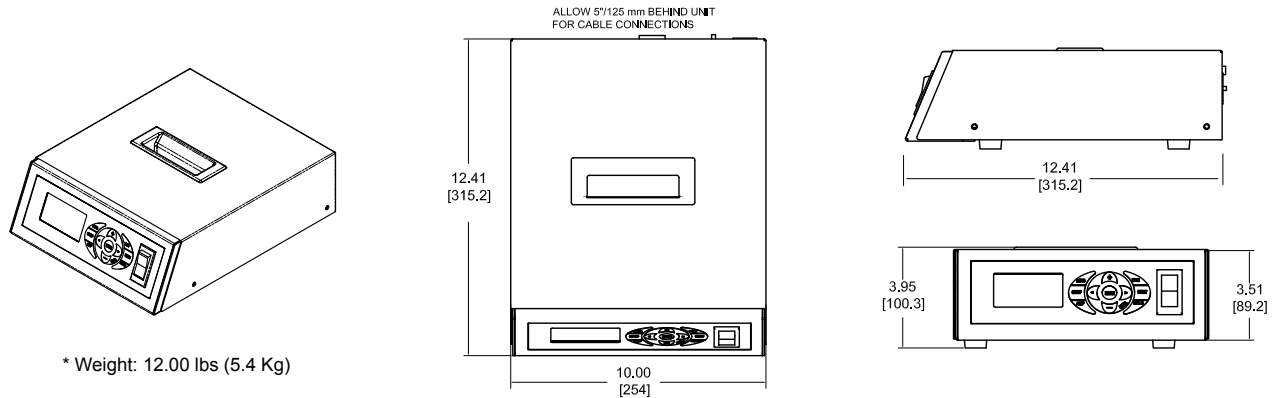
### Features

- Use with Dukane Patented *iQ* Ultrasonic 30 kHz generator technology\*
- Seals clamshells and blister packs efficiently and economically
- Wide variety of sealing anvil patterns
- Small foot print allows for portability and efficient work environment
- Vertical or horizontal mounting capabilities
- "Green" sealing solution
- Multiple units can be used with *iQ* MPC for multi point welding on larger applications
- Simple EZ set up
- Reduces operator fatigue from conventional hand probe systems.
- Highly consistent weld results are achieved through the use of Weld by Energy and patented Trigger by Power features.\*

## Power Supply Features

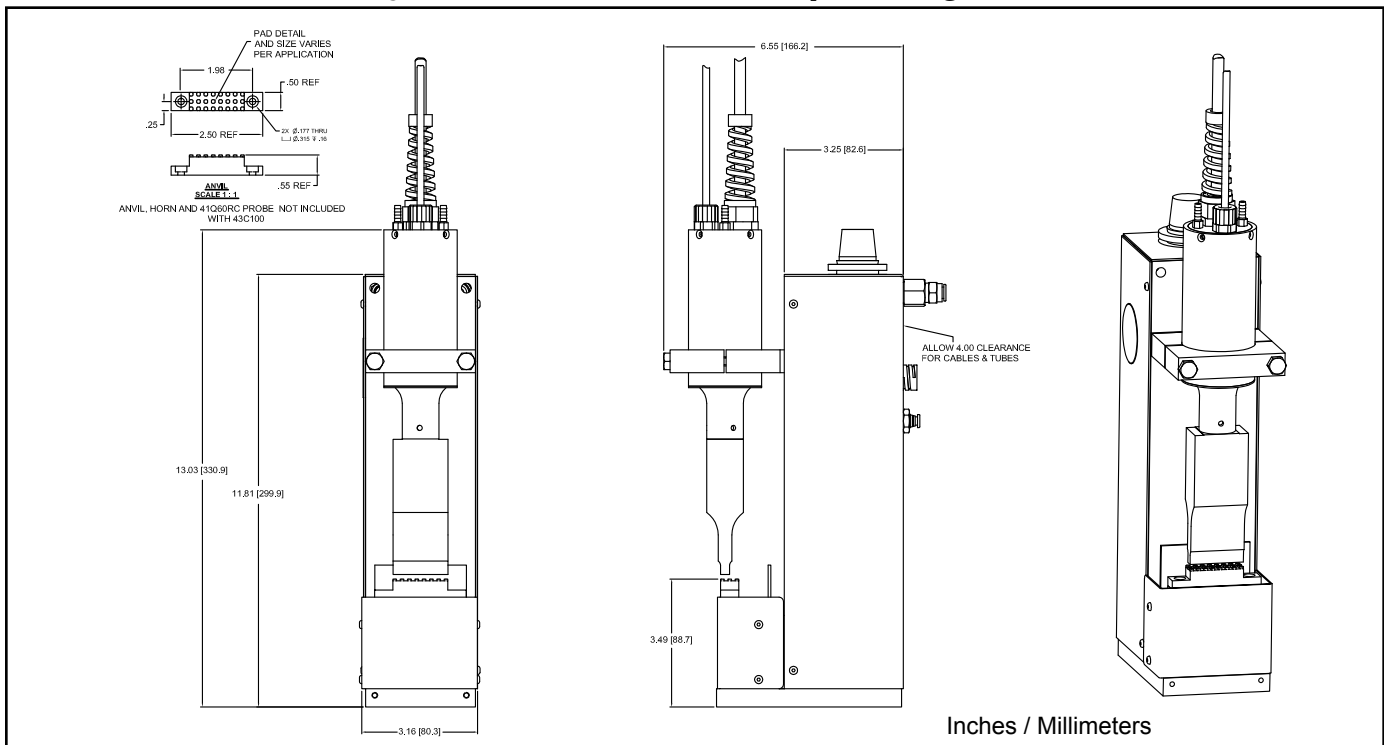
- **Ultrasonic overload protection**, with fault indication for ease of troubleshooting. The overload power limit is based on **true RMS power output level**.
- **Patented pulse-width modulation** design delivers power more efficiently with substantially less stress on electrical components for superior performance, reliability and extended life.
- **Linear ramp soft-start** algorithm allows the acoustic stack to be brought to operating amplitude smoothly, minimizing start-up surges and abnormal stress to the stack and power supply.
- **Line voltage regulation** compensates for line fluctuations assuring consistent amplitude.
- **Load regulation** provides constant ultrasound amplitude automatically regardless of power draw. The ultrasonic output amplitude level is held to within 1% to provide weld process consistency.
- **Eight programmable setups**.
- **Highest power density** per unit volume. Most power in the smallest package at highest duty cycle.
- **.5 ms sampling rate**, fastest in the industry.
- Optional extra loud status alarm buzzer

### Generator: 30HP60-IE



Generator Part No.	Probe Part #	Line Voltage	Frequency kHz	Wattage
30HP060-1E	41HP30S	100-120 VAC 50/60 Hz	30	600W
30HP060-2E	41HP30S	200-240 VAC 50/60 Hz	30	600W

## iQ Series EZ Ultrasonic Stapler Diagram



Note: All specifications are subject to change without notice. Please consult Dukane Ultrasonics for any updated information.