

IMPACT EDGE

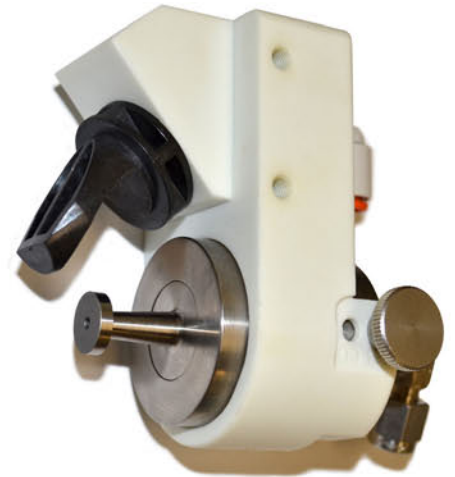
Even Distribution with Greater Extension

Controllable ultrasonic atomized spray for uniform coatings

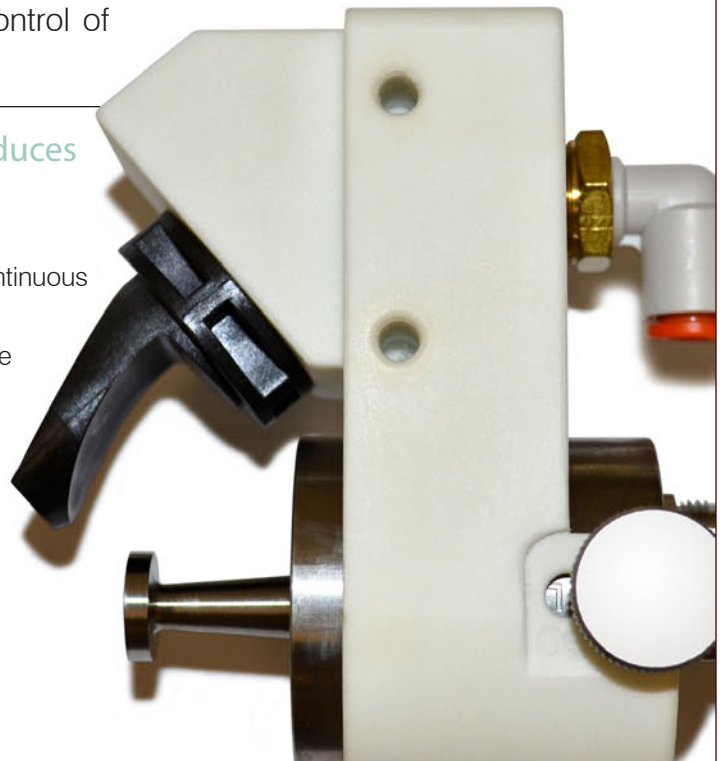
The Impact EDGE System offers significant advantages over conventional pressure spray methods in a broad range of applications. Whether you are coating moving webs of non-woven fabrics, float glass, or odd shaped industrial or consumer products, the Impact EDGE system maintains precise control of the coating at the flow rate you specify. Waste is greatly reduced, since the ultrasonic spray can be easily controlled with the high-velocity Impact air jet. Maintenance is kept to a minimum because ultrasonic nozzles will not clog. In addition, the atomizing system is constructed of titanium and stainless steel, making it compatible with most liquids. The air shaping system is composed of highly engineered plastics designed to complement this compatibility. The Impact EDGE air jet assembly can be configured with any of Sono-Tek's various ultrasonic nozzles (frequencies from 25 -120 kHz*), allowing complete control of drop size for specific applications.

Highly controllable ultrasonic spray produces reliable, consistent results

- Non-clogging ultrasonic nozzle
- Wide range of flow rate capabilities, intermittent or continuous
- Capable of spraying high-velocity moving webs
- Covers up to 6" (15 cm) with one nozzle or use multiple nozzles to cover any width substrate
- Uniform coating with high transfer efficiency
- High-velocity spray is easily controlled resulting in minimal bounceback and overspray
- No moving parts
- Reduced material consumption



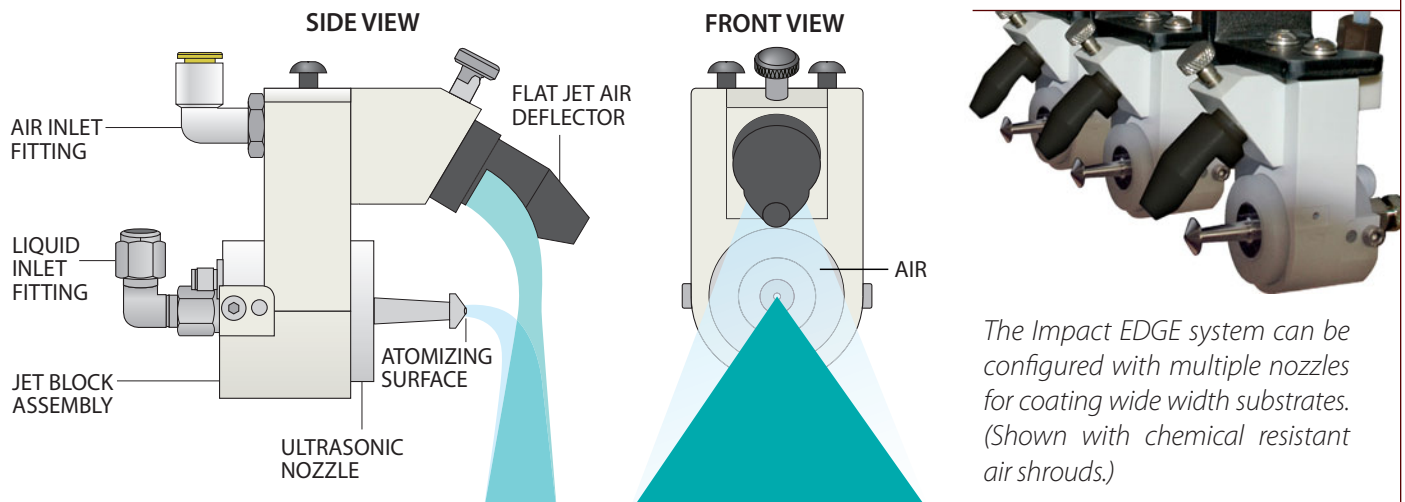
For over 30 years, Sono-Tek has been a leader in ultrasonic spray technology through innovative solutions. The Impact EDGE next generation nozzle design continues that standard, enhancing spray capabilities & offering greater control.



SONO•TEK Corporation

Operating Principle

The Impact EDGE System's patent pending design combines Sono-Tek's unique ultrasonic atomizing nozzle with a controlled jet of air from the flat jet air deflector. The ultrasonically produced spray at the atomizing surface is immediately entrained in the air stream, creating a fan-shaped spray pattern. The velocity of the air stream is controllable, allowing low or high-impact of the atomized spray onto the product or substrate.



The Impact EDGE system can be configured with multiple nozzles for coating wide width substrates. (Shown with chemical resistant air shrouds.)

Total Customer Support

Sono-Tek has been developing and manufacturing a wide range of quality products based on our patented ultrasonic spray technology for more than 25 years. Each Impact EDGE System is configured and factory tested specifically for each application. Installation at your facility will be performed by our experienced field service staff who will work with you to set up your process and train your production and service personnel. We want you to be completely satisfied with the quality, performance, and reliability of your system. After installed, we are available for consultation on service, process setup, or system operation.

IMPACT EDGE COATING SYSTEM SPECIFICATIONS

General Specifications

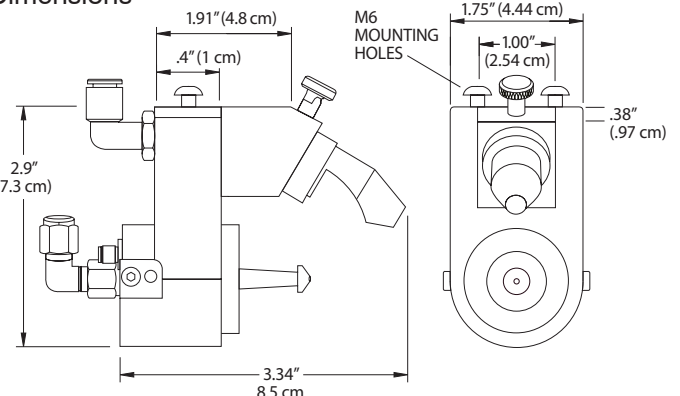
Coating System	Stationary ultrasonic nozzle with air-operated spray dispersion assembly
Construction	
Ultrasonic Nozzle	Stainless steel, titanium, Teflon®, polypropylene, Delrin®, Ryton® (wetted materials)
Air Jet (Standard)	Ertalyte®, Delrin®, Stainless steel, Acetal
Air Jet (Resistant)	Kynar®, Teflon®, PEEK
Width Range	.5-6" per head (1.3-15 cm) (unlimited width with multiple heads) - flow rate dependent
Deposition Uniformity	±5% Typical
Deposition Repeatability	±2%

The Impact EDGE system can spray in any orientation - up, down or any angle using a single nozzle or multiple nozzles.

Service Requirements

Input Power	110/120 VAC, 50/60 Hz or 220/240 VAC, 50/60 Hz Single phase, 750 VA max
Compressed Air	Clean, dry and oil-free
Supply Pressure	5-40 psi
Air Consumption	0.5-3 cfm per head (5-75 lpm)
Exhaust	application dependent

Dimensions



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leadership through innovation

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