



SONICS[®]
SONICS & MATERIALS, INC.

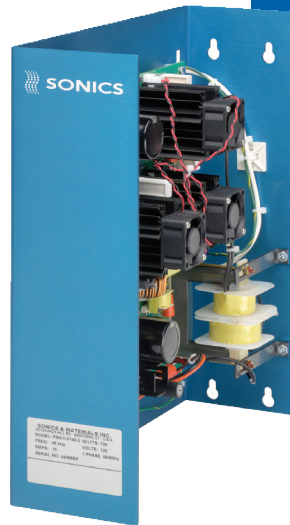
ultrasonic equipment for packaging applications



T201WDB pouch sealer shown with wash-down generator



Power Supply Kit



Converter, booster, horn stack

BENEFITS

- Green process is compatible with new bio-based and recyclable materials.
- Reduce film use by over 10% with thinner, more reliable seals.
- Seal right through materials such as soft foods, oils, beverages, cheeses and powders eliminating product and packaging waste caused by failed seals due to product contamination.
- Energy saving technology delivers localized bonding on-demand, versus the continuous energy demands of thermal methods.
- Enhanced productivity with fast cycle times and no warm-up time required.
- Safe and clean process with no chemical bonding agents or solvents to dispose of or endanger employees.
- Wash-down components are available for use in food processing/packaging environments.
- Extremely consistent and reliable performance, virtually maintenance-free.
- Intelligent technology provides process control not possible with thermal sealing.
- Flexible and adaptable equipment with fast set-up and OEM capable system integration.



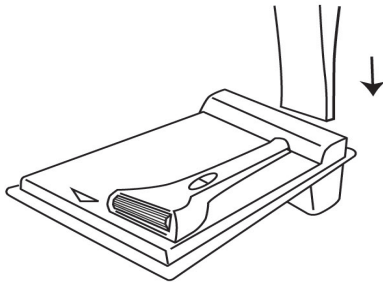
Ultrasonics is increasingly the technology of choice for many packaging applications because it is an energy saving, environmentally-friendly, efficient process.

In ultrasonic sealing, high frequency electrical energy is converted into mechanical vibratory energy which is delivered to the material being bonded via an ultrasonic horn. The vibrating motion of the horn generates heat at the precise point of contact it makes with packaging materials, creating a fast, clean and strong seal. Packaging materials may also be cut and sealed simultaneously.

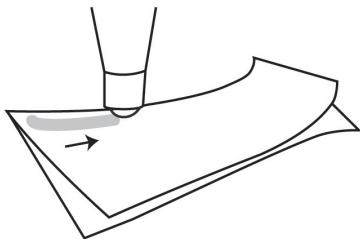
packaging applications and sealing modes

- Stand-up pouch top seals
- Pillow and gusset bag cross seals
- Continuous bonding of fin and lap seals
- Zipper crushing
- Tube sealing
- Clam shell sealing
- Corrugated plastic bonding
- Spout and fitment sealing

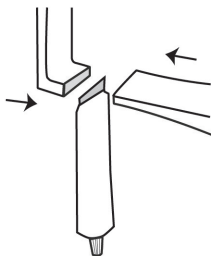
Plunge sealing



Continuous sealing



Dual acting tube and pouch sealing



ultrasonic plastics packaging equipment

Tube / Pouch Sealers



Hand held welders



Custom ultrasonic kits and components

