

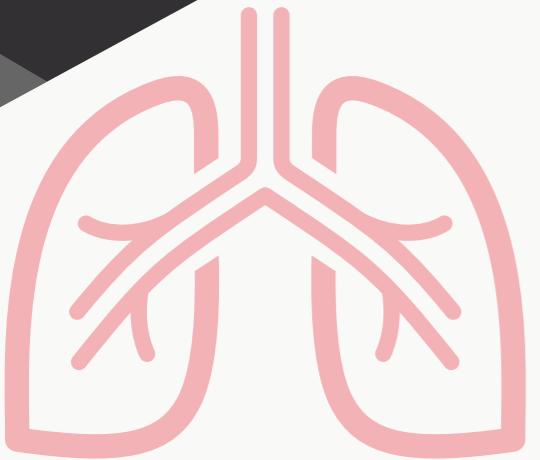
LITHOBOX[®] ZERO

ULTRASONIC PNEUMATIC COMBINED LITHOTRIPSY

www.incelermedik.com



INCELER



ABOUT US

İNCELER MEDİKAL LTD. CO. was established in Ankara in 2010. Over time, it has gained the trust of its customers with its experienced staff and **high quality** service concept by reaching the capacity and **expertise level** which can produce suitable spare parts for many world famous brands. In 2012, it started to design its own products. The first product of the Pneumatic Lithotripsy system was **LithoboX®**, followed by **Modus®** with Therapy system with **shock waves** from outside the body and **Spark®** which has kidney stone crushing system with shock waves from outside the body. These products took place in the market. The devices that we have produced are designed with taking in consideration the high security, advanced technology, economic and aesthetic parameters together and are designed with the criteria that can be the best in their class. It aims to stay in the sector as an R&D company. **İNCELER MEDİKAL** has the mission of maximizing the satisfaction of the valuable healthcare workers by exceeding their expectations.



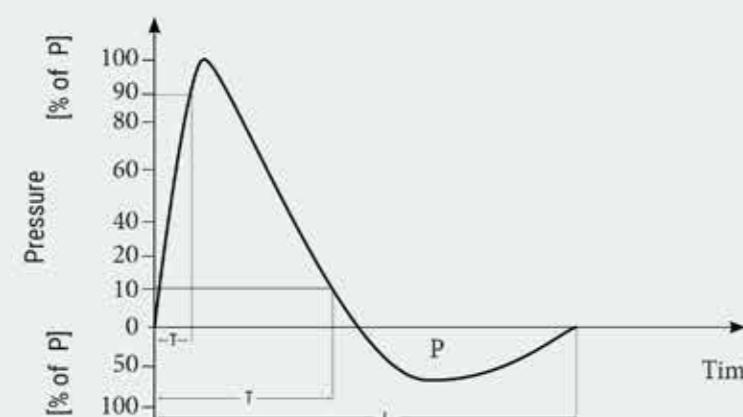
PNEUMATIC SYSTEM

Pneumatic Lithotripter System works on the principle of electro-pneumatic ballistic energy applied by the impact of the projected air by the impact of the projectile on the kidney stone.

Pneumatic lithotriptor, is the most effective and powerful method for quickly break the stones have all kinds of density. The Lithobox Zero is more powerful, quiet and non-kickback than ordinary devices.

PNEUMATIC HANDPIECE

- It has a 100% waterproof closed system.
- It does not require any system for sterilization.
- The internal mechanism has no contact with water.
- Therefore, problems such as hanging and clogging are never encountered.
- Extremely stable, steady and seamlessly.
- Compatible with all pneumatic devices.



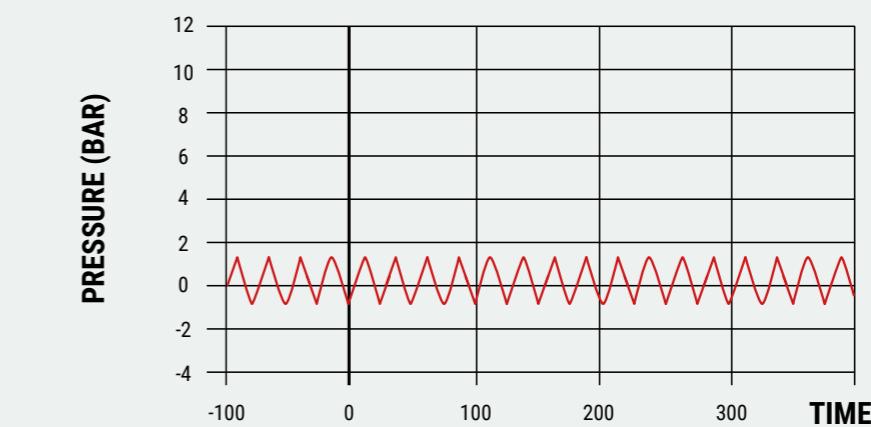
ULTRASONIC SYSTEM

The Ultrasonic Lithotripter System breaks down the stone with ultrasonic vibrations and absorbs the crushed stone back by aspirating.

Ultrasonic lithotriptors are used for the treatment of urinary stones in the endoscopic way. It breaks the stones into small pieces and removes them from the body by aspiration of these pieces during the operation. It gives excellent results in breaking of low density stones.

ULTRASONIC HANDPIECE

- Powerful output
- Fast Fragmentation
- Sensitive, Ergonomic
- High Effective without overheating
- Secure



Specifications

** With Lithobox Zero, pneumatic - ultrasonic and combined probes are produced in different diameters and lengths. It allows to use with rigid, semi rigid and flexible endoscopes with different probe options.

** The connection adapter of the Lithobox Zero can be easily adjusted to allow operation only with ultrasonic, pneumatic or both without removing the lithotriptor from the endoscope during operation.

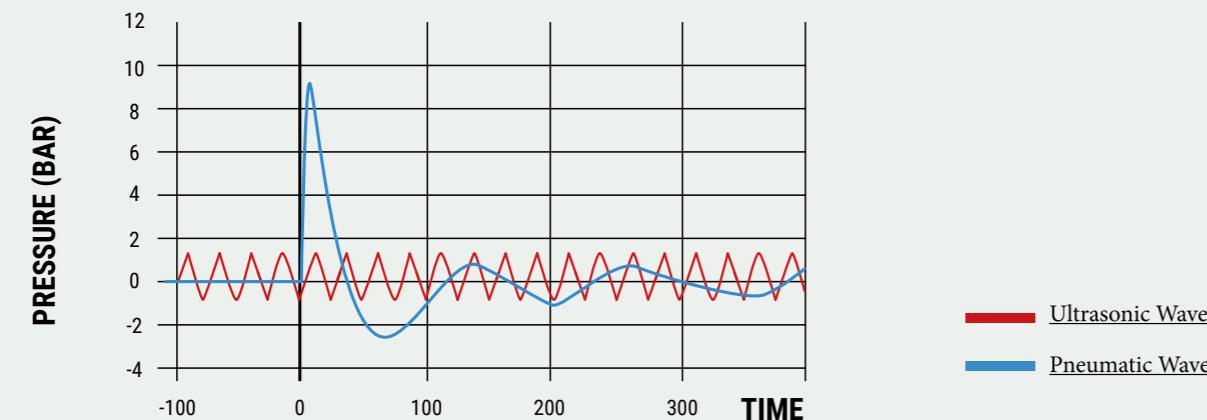
** With the touch control panel, the user can easily control the pneumatic or ultrasonic lithotripter. All warnings and indicators are monitored from the LCD control panel.

** Aspiration rate and amount can be adjusted precisely during the operation.

** The aspiration process can be changed gradually. The transition from low to high level is done in a short time.

ULTRASONIC PNEUMATIC COMBINED LITHOTRIPSY

Pneumatic Lithotripter has been tried on all kinds of kidney stones and is known to be the most powerful method. Ultrasonic Lithotripter breaks and dusts low-density stones. The combined Lithotripter combines the good features of these two lithotripters. Lithobox Zero combines the advantages of two methods into a single device, enabling simultaneous use of both systems. It increases the operational efficiency with its simple usage. Lithobox Zero is used under general or spinal anesthesia.



Advantages

- Powerful output
- Faster stone removal
- Less clogging
- Sensitive, compact
- Highly effective without overheating
- Reduced size and comfortable use
- Long life ultrasonic probes due to ergonomic design and optimized design
- Secure
- Cost effective

Specifications

- ** Products structured to easily break kidney stones inside the body by using both pneumatic and ultrasonic methods or both methods at the same time without causing any complications in the patient.
- ** The proposed device is of a structure that will not harm the endoscopic systems used simultaneously.
- ** Regardless of the nature of the stone, the device can successfully break and shatter it in a short time.
- ** The power of the device can be adjusted according to the hardness of the stone.
- ** The device works independently from each other as ultrasonic and pneumatic. It can also be used in combination with two handles.
- ** The system works internally and there is no need to use an aspiration device.
- ** Ultrasonic handpiece can work continuously for 30 minutes without warming.
- ** Aspiration can be performed when using ultrasonic or pneumatic systems, or when using the combined system.

PNEUMATIC-ULTRASONIC PROBES

Pneumatic Probes

| | |
|-----------------------|------------------|
| Probes are Flexible | 0.8mm-1.00mm |
| Probes are Semi-rigid | 1.2mm |
| Probes are rigid | 1.5 mm-20mm-30mm |

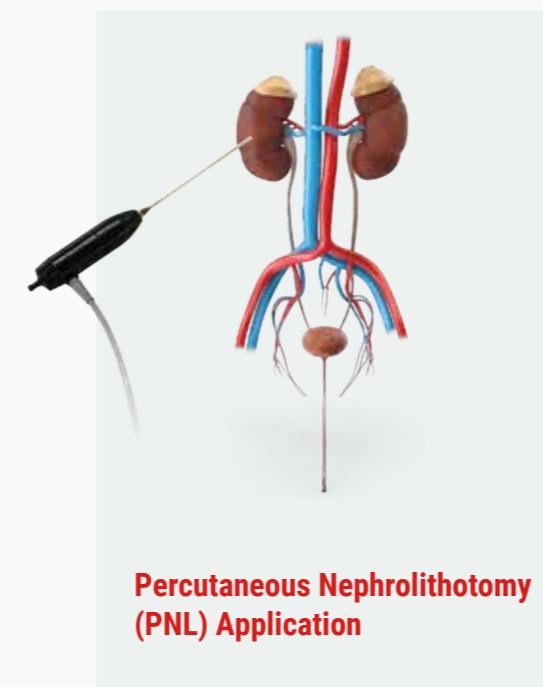
- Our pneumatic probes are compatible with all brand handpieces.
- Probe can be produced in intended sizes.

Ultrasonic Probes

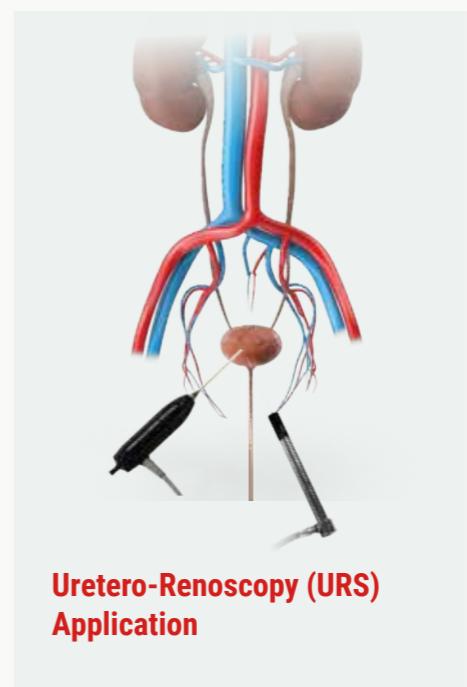
| | |
|-----------------|-----------------------------------|
| Ultrasonic Prob | 1.5 mm(4.5Fr)-575 mm |
| Ultrasonic Prob | 3.3 mm(9.9Fr)-417 mm |
| Ultrasonic Prob | 3.8 mm(11.4Fr)-417 mm |
| Ultrasonic Prob | 3.8 mm(11.4Fr)-330 mm(Optionally) |
| Ultrasonic Prob | 3.3 mm(9.9Fr)-330 mm(Optionally) |

Probe can be produced in intended sizes.

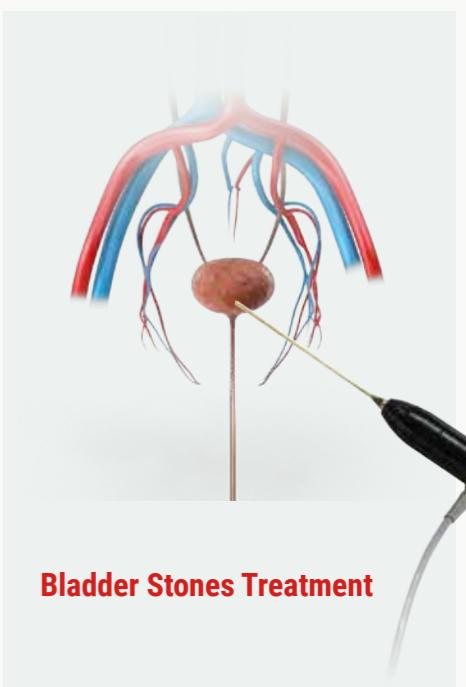
WHICH DISEASES CAN WE USE IT?



Percutaneous Nephrolithotomy (PNL) Application



Uretero-Renoscopy (URS) Application



Bladder Stones Treatment

TECHNICAL SPECIFICATIONS

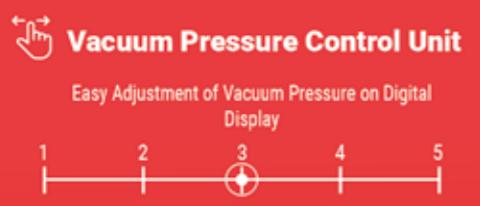
| | |
|--|---|
| Manufacturer | İNCELER MEDİKAL SAĞLIK HİZMETLERİ SAN. TİC. LTD. ŞTİ |
| Model | Lithobox ZERO |
| Quality and Electrical Safety Classification | According to EN 60601-1 Class I Type B According to EN 93/42 MDD Class IIb |
| General Rules for Basic Safety and Required Performance of Electrical Medical Equipment | IEC 60601-1 |
| Electrical medical equipment - Part 1-2: General requirements for basic safety and required performance - Supplementary standard: Electromagnetic disturbances | IEC 60601-1-2 |
| Dimensions (H x W x D) | Control Unit : 165mm x 490mm x 415mm |
| Weight | 12 kg |
| Ultrasonic User Mode | Continuous |
| Pneumatic User Mode | Continuous |
| Combination User Mode | Continuous |
| Ultrasonic Output Energy | 90 mJ |
| Power Supply & Frequency | 200-220 ±10 VAC, 50-60 Hz |
| Pneumatic Frequency | 0-15 Hz |
| Pneumatic User Mode | Single, Continuous, Auto |
| Pneumatic Output Power | 0-10 bar |
| Pneumatic Pressure | Input Pressure: 1-10 bar Output Pressure: 1-8 bar |
| Pneumatic Standard Probe Sizes | 0.8 mm (2.4 Fr) – length 640 mm 1.0 mm (3.0 Fr) – length 640 mm 1.2 mm (3.6 Fr) – length 640 mm 1.5 mm (4.5 Fr) – length 640 mm 2.0 mm (6.0 Fr) – length 450 mm 3.0 mm (9.0 Fr) – length 450 mm (optional) |
| Ultrasonic Output Power | Adjustable |
| Ultrasonic Standard Probe Sizes | 1.5 mm(4.5 Fr) – length 575 mm (optional) 1.5 mm(4.5 Fr) – length between 426-430 mm 3.3 mm(9.9 Fr) – length 417 mm 3.8 mm(11.4 Fr) – length 417 mm 3.3 mm(9.9 Fr) – length 330 mm (optional) 3.8 mm(11.4 Fr) – length 330 mm (optional) |
| Combination Probe(Size) | 1,0 mm(3,0 Fr) – length 592,5 mm |
| Foot Pedal | 1 Unit |
| Combination Apparatus | 1 Unit |
| Suction Jar (Glass) & Suction Jar Basket | 1 Unit |
| Compressor Hose | 1 Unit |
| Suction Jar Inlet Hose | 1 Unit |
| Suction Jar Outlet Hose | 1 Unit |
| Pneumatic Handpiece Cap | 1 Unit |
| Portable Carrying Bag | Optional |
| Compressor | Optional |
| Storage Environment | -10° C ≤ Temperature ≤ 50° C 20% Rh ≤ Humidity ≤ 90% Rh |

LITHOBOT ZERO SET

| | |
|--|---|
| Lithobox Zero Main | 1 Unit |
| Pneumatic Handpiece (Including 3m Hose) | 1 Unit |
| Ultrasonic Handpiece (Including 3m Hose) | 1 Unit |
| Pneumatic Probes | 0.8 mm (2.4 Fr) – length 640 mm 1.0 mm (3.0 Fr) – length 640 mm 1.2 mm (3.6 Fr) – length 640 mm 1.5 mm (4.5 Fr) – length 640 mm 2.0 mm (6.0 Fr) – length 450 mm 3.0 mm (9.0 Fr) – length 450 mm (optional) |
| Ultrasonic Probes | 1.5 mm(4.5 Fr) – length 575 mm (optional) 1.5 mm(4.5 Fr) – length between 426-430 mm 3.3 mm(9.9 Fr) – length 417 mm 3.8 mm(11.4 Fr) – length 417 mm 3.3 mm(9.9 Fr) – length 330 mm (optional) 3.8 mm(11.4 Fr) – length 330 mm (optional) |
| Combination Probe | 1,0 mm(3,0 Fr) – length 592,5 mm |
| Probes Cover Pipes | 2 Units (1 for Pneumatic Probes + 1 for Ultrasonic Probes) |
| Foot Pedal | 1 Unit |
| Combination Apparatus | 1 Unit |
| Suction Jar (Glass) & Suction Jar Basket | 1 Unit |
| Power Cord | 1 Unit |
| Compressor Hose | 1 Unit |
| Suction Jar Inlet Hose | 1 Unit |
| Suction Jar Outlet Hose | 1 Unit |
| Pneumatic Handpiece Cap | 1 Unit |
| Portable Carrying Bag | Optional |
| Compressor | Optional |
| Trolley | Optional |







Vacuum Pressure Control Unit

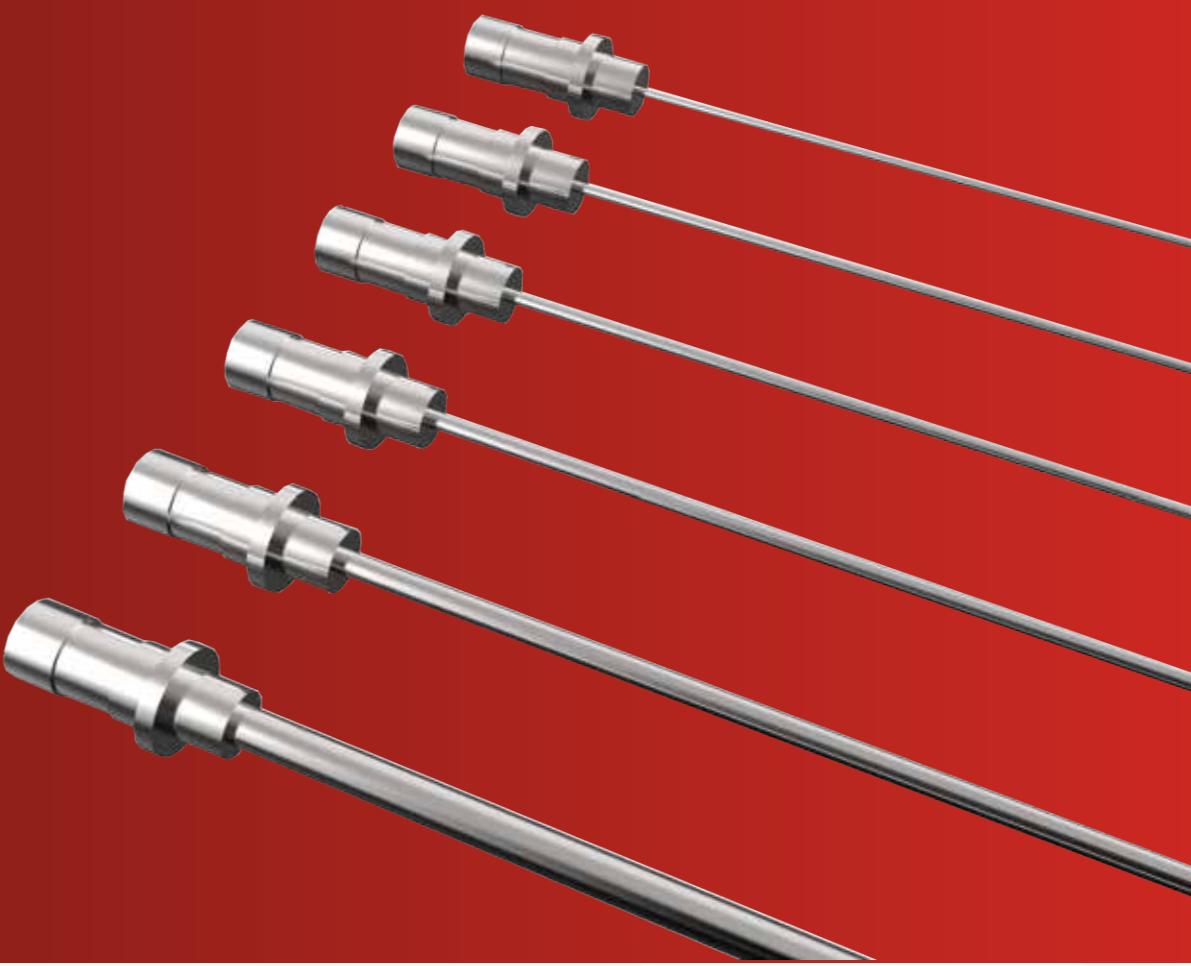
Easy Adjustment of Vacuum Pressure on Digital Display



Stones in internal organs are broken and vacuumed by ultrasonic and pneumatic waves.



Crushed and Vacuumed Stones Precipitate in Suction Cup





made in
Turkey
Discover
the potential





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