GLITZ™

Direct In-Scope
Suction System

bioradmedisys™
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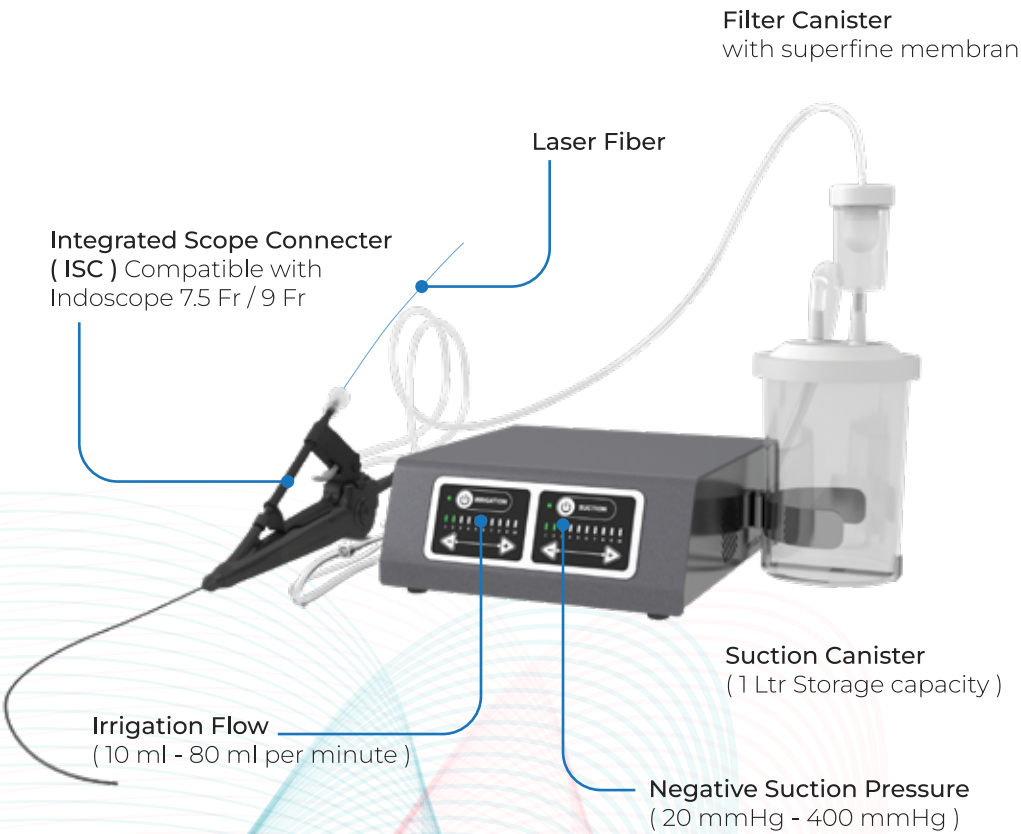
Best Affordable New Technologies In Urology

(Montreal- Canada)

DIRECT IN-SCOPE SUCTION SYSTEM

A compact & portable system specially designed to carry out **direct in-scope suction (DISS)** during laser lithotripsy procedure.



WHAT IS DISS?

Its a **Novel Surgical Technique** used for extracting the stone dust from kidney through direct suction through the working channel of the Ureteroscope.

It has clear advantages over the traditional technique in **RIRS.** In the **DISS** technique the dust is removed completely under direct vision, requiring no further confirmation through USG or CT scan.

NEXT FRONTIER IN STONE MANAGEMENT

Product Description

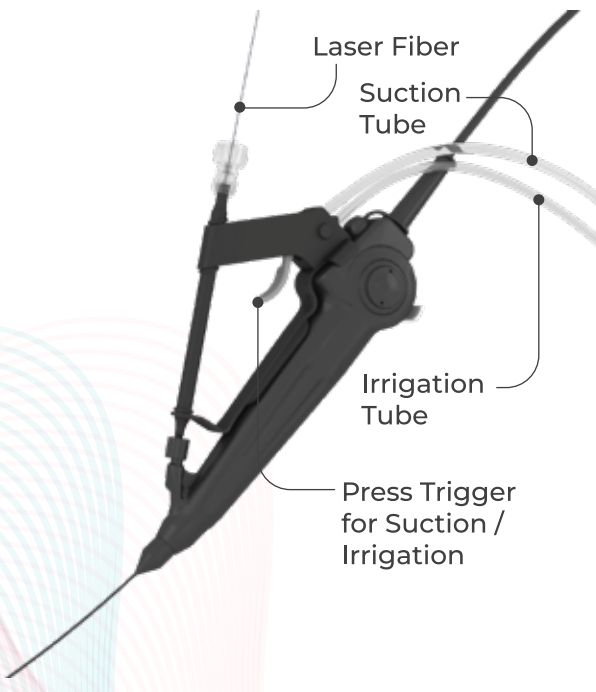
- The DISS consist of mainly four sub components.
- A single use Integrated Scope Connector (ISC), Which attaches to single use **7.5 Fr or 9 Fr Flexible Ureteroscope.**
- A filter canister (dust collector) to collect dust samples for testing histopathology of the stone sample.
- Irrigation tubing set - it is a tube to carry out irrigation.
- A pump unit, which houses the electromechanical assembly for suction and irrigation units with an intuitive control panel for pressure and flow control.

Pump Unit Controls

- It provides tactile and intuitive control over the flow and pressure parameters.
- After thorough experimentation & in accordance with the safe operational zone in urinary anatomy, the suction pressure range & irrigation flow rate are set.
- Suction of dust/fluids can be achieved with adjustable negative suction pressure from 20- 400 mmHg
- Irrigation flow rate can be adjusted from 10- 80 ml/M in
- The unit provides a panel for precise control of pressure & flow between levels 1- 10
- Integrated pressure control system for irrigation smartly maintains pressure inside the kidney. Maximum pressure is 30 mmHg.

INTEGRATED SCOPE CONNECTOR

- ISC is a unit which fits on ureteroscope handle and provides ergonomic grip and control over the functionality of the system.
- Surgeon can switch between suction or irrigation function by pressing the trigger with the index finger.
- The ISC is designed to get connected to the scope's instrument channel easily. Since the handle grip is isolated from the instrument channel's access, the design allows for easy access to the instrument channel.



Benefits of DISS

Clinical Benefit

1. **Visual confirmation** of a dust free surgical site as most of dust is collected during the procedure.
2. In most of the cases **stent can be avoided.**
3. **More surgeries per day.**
4. **Use of foley catheter can be avoided.**

Patient Benefit

1. **Faster patient recovery.** Patient can be discharged on same day.
2. Significant **cost benefit** to patient.
3. Stone dust will be available for **stone composition analysis,** which can aid in patient specific diagnosis, treatment & diet management to avoid recurrence.
4. No need for post-surgical USG or CT scans for confirmation there by **reducing the post-surgical treatment / diagnosis costs.**
5. The patient is satisfied upon observing the **successful removal of stone dust** in the canister post-procedure.

Sr No	Attributes / Outcome	Conventional RIRS w/o Suction	RIRS with DISS
1	Surgery time	More	Less (~50% saving)
2	Irrigation liquid volume required	More	Less
3	Suction control	Not available	Available
4	Irrigation	Gravity based	Gravity & pumped
5	Dust canister	Not available	Available
6	Visibility during surgery	Poor	Excellent
7	Surgeon Control during procedure (Suction & Irrigation)	No hand controls	Finger-tip control for suction
8	Scars	Scars are unavoidable in traditional technique	No scars & less bleeding
9	Clear surgical site (free from stones / dust)	Dusts remain in the Kidney or Bladder	Confirmation of clear site free from stones or dusts
10	Need for stenting	Stenting is required	No stenting required and no hospitalization required
11	Assistance	Required	Not required

Glitz™ has the best system performance with next generation **Quantino® Thulium Fiber Laser.**

Disclaimer: The specifications in this brochure are subject to change without prior intimation

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