TAKTVOLL®北京索吉瑞

Touchscreen Argon Plasma Coagulation

APC-3000 PLUS

7-inch full-color LCD touchscreen

- 7-inch high-definition LCD touchscreen display
- Precision Flow Control System with an adjustable range of 0.1 L/min to 12 L/min and an adjustment accuracy of 0.1 L/min for more precise flow control.
- Automatic self-testing upon startup and automatic pipeline flushing.
- Equipped with a graded blockage alarm function, and it automatically stops when completely blocked.
- Dual gas cylinder supply with low cylinder pressure alarm and automatic cylinder switchover.
- Features an endoscopy/open surgery mode selection button
- Offers a one-touch gas stop function that does not affect electrosurgery when turned off. It automatically restores the original operating parameters when turned on.
- Dual Interface Output Function

Precision, Efficiency and Safety

Argon Plasma Coagulation **APC-3000 PLUS**

Cutting under argon gas coverage can minimize heat loss

Argon gas hoses are available in axial spray, side-fired spray, and circumferential spray options, with a colored ring marking at the nozzle, allowing for the pre-assessment of focal distance and the measurement of lesion size under the treatment lens. The argon therapy conversion interface can be connected to electrodes from dozens of other brands of argon gas hoses, ensuring good compatibility.

Taktvoll Argon ion beam coagulation technology utilizes ionized argon gas ions to conduct energy. The low-temperature argon ion beam displaces blood from the bleeding site and coagulates it directly on the mucosal surface, while also using inert gas to isolate oxygen from the surrounding air, thereby reducing thermal damage and tissue necrosis.

Taktvoll Plasma beam coagulation technology is a highly valuable clinical tool for endoscopy departments such as gastroenterology and respiratory. It can effectively ablate mucosal tissue, treat vascular anomalies, achieve rapid hemostasis without direct contact, and minimize thermal damage.

Argon gas technology can deliver a longer argon ion beam, ensuring safer tissue ablation, preventing perforations, and providing a clearer field of view during endoscopy.


Figure of Open Surgery

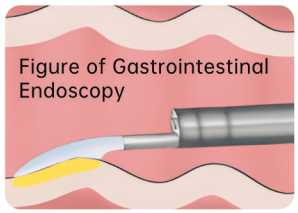
Figure of Gastrointestinal Endoscopy

Taktvoll **Argon Plasma Coagulation Probes**

Rigid and flexible probes for open and endoscopic argon surgery

Taktvoll **High-Frequency Electrosurgical Unit**

When combined with the Taktvoll high-frequency electrosurgical unit, it enables efficient and rapid inactivation of lesion tissues and effective hemostasis. This technology has demonstrated outstanding results in gastrointestinal endoscopy, bronchoscopy, laparoscopy, and gynecological surgeries.

Scope of Endoscopic Surgery Applications

Respiratory Medicine	Respiratory Tract Tumors and Cancer Cell Inactivation
General Surgery	Extensive Coagulation Under Laparoscopy
Gynecology	Extensive Coagulation and Cancer Cell Inactivation Under Laparoscopy
Otorhinolaryngology	Coagulation and Inactivation of Cancer Cells Under Laparoscopy
Gastroenterology	Ulcers, erosions, late-stage esophageal cancer stenosis, multiple polyps and adenomas, verrucous gastritis, gastrointestinal bleeding caused by vascular anomalies, early-stage multiple tumors, and palliative treatment for late-stage inoperable rectal cancer

Scope of Open Surgery Applications

General Surgery	Widespread Coagulation
Hepatobiliary Surgery	Liver Transplantation
Cardiothoracic Surgery	Coronary Artery Bypass Grafting
Traumatology Orthopedics	Hemostasis for vascular tumors, soft tissue, and bone surface
Oncologygy	nactivation of Cancer Cell Tissues

TAKTVOLL®
APC-3000 PLUS

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