

# cusa excel<sup>®</sup>+

ULTRASONIC TISSUE ABLATION SYSTEM



- Market-Leading Performance
- Quiet, Durable Design
- Unrivalled Support

 **INTEGRA**<sup>™</sup>  
NeuroSciences

# cusa<sup>®</sup> excel<sup>®</sup>+

ULTRASONIC TISSUE ABLATION SYSTEM

## Market leading performance from the intraoperative ultrasonic tissue ablation market leader

CUSA<sup>®</sup> brand systems have led the ultrasonic surgical aspiration market for over 30 years. Since the introduction of the CUSA NS100 in 1977, the CUSA name has been associated with premium quality and technological sophistication in ultrasonic surgical aspiration.

The new CUSA EXcel<sup>®</sup>+ system builds upon the market-leading features of the CUSA EXcel<sup>®</sup> with the addition of several performance enhancing elements. The new CUSA EXcel+ system supports a broad selection of handpieces and surgical tips, allowing the surgeon to select the most appropriate combination based on the surgical procedure.

The user-friendly console, color coded tubing, and tubing paths enable easy system set-up. The CUSA EXcel+ system offers a simple user interface, the widest variety of handpiece and tip combinations, and advanced features that make it the most powerful ultrasonic tissue ablation system available.

Laparoscopic function for General Surgery

Easy to follow user set-up instructions



Aspiration function provides powerful suction

Exclusive TissueSelect<sup>®</sup> function maximizes selectivity while maintaining fragmentation capability

## Quiet, Cool Operation

The CUSA EXcel+ system is engineered to run 50% quieter than the previous model, which can contribute significantly to the goal of reducing overall OR noise levels. Minimizing mechanical vibrations also helped reduce heat generation and cooling fan noise.



## Advanced Performance

A robust power supply and re-engineered aspiration pump assembly enable reliable performance under all operating conditions and make the CUSA EXcel+ aspiration system the most powerful on the market.

## Durability

Reliability and durability have been the driving forces behind the engineering of the CUSA EXcel+ system. From the smallest components to the system housing and handpieces, the CUSA EXcel+ system is designed to ensure that it will continue to provide reliable service for years to come.

## Exclusive TissueSelect® Function

The TissueSelect® function provides a wider margin of safety on the CUSA EXcel+ system. It allows the surgeon to maximize selectivity when working near critical structures, while maintaining fragmentation capability. The TissueSelect function provides superior tactile feedback enabling the surgeon to differentiate between tissue types. As the TissueSelect setting is increased, targeted tissue is still easily fragmented, while the ability to fragment more collagen-rich structures is reduced.

## Unique CEM™ Module for Hemostasis

The CUSA EXcel system is the only ultrasonic tissue ablation system to incorporate simultaneous electrosurgical and ultrasonic capabilities with the press of a button. The CUSA Electrosurgery Module (CEM™) nosecone provides the surgeon with a powerful combination of electrosurgery and ultrasonics in one handpiece, allowing the surgeon to control bleeding during tissue removal without having to use a second instrument.

## Tissue Release Function

The Tissue Release function of the CUSA EXcel+ system helps prevent inadvertent traction on sensitive tissue. The suction is automatically turned off for 2 seconds after deactivation of the vibration foot pedal to protect against delicate tissue trauma.

## Completely Disposable Suction Path

The suction tubing of the CUSA EXcel+ system connects directly to the tip base, providing a completely disposable suction path, thus eliminating tissue traps. No contaminants pass through the inside of the handpiece.

## User-friendly Control and Set-up

The CUSA EXcel+ system is simple to operate and easy to set up with color-coded tubing and tubing parts. The color-coded control panel guides users through easy set-up and provides easy to follow user set-up instructions.

## TipSelect™ Design

The CUSA EXcel+ system supports both 23 kHz and 36 kHz CUSA EXcel magnetostrictive handpieces, and each supports multiple tip designs. The powerful 23 kHz handpiece fragments even tough, fibrous, and calcified tumors while the small, 36 kHz handpiece is helpful during procedures requiring precision, tactile feedback, and delicate control. A wide variety of tips enables customization of the handpiece for each procedure, depending on the consistency, location, and depth of the targeted tissue. For added flexibility, tips can be changed in the sterile field, allowing the handpiece to be optimized for the surgical procedure at all times.

### Fragmentation Power for Tough Tissue




### Precise Control and Tactile Feedback



## Pre-aspiration Holes

Each CUSA EXcel tip has pre-aspiration holes to minimize clogging and misting of the irrigation fluid, providing better visibility, especially when working under the microscope. Pre-aspiration holes also assist in removing the heat that is generated by the vibrating tip, helping to minimize thermal tissue damage and tip fracture.

The new **cusa**  **excel**<sup>®</sup>**+** system is evidence of Integra's continued commitment to the advancement of ultrasonic tissue ablation technology and our goal to enable surgeons to Operate with Confidence™.

## Continuous Innovation

The CUSA EXcel+ system currently supports applications requiring the removal of a variety of tissue types, including:

- Soft Tissue
- Calcified Tissue
- Bone

Our product design teams are continuously developing handpieces and tips that will enable new clinical applications and further enhance performance and ease of use.

## Unrivaled Service and Product Support



The CUSA EXcel+ system is manufactured and supported by Integra—the world's largest manufacturer of ultrasonic surgical tissue ablation systems. We have an extensive organization of direct, professional representatives who are highly trained and well-qualified to support your investment for

the life of the product. Our 24-hour technical support team is available seven days a week and a team of service technicians and loaner systems are available to guarantee uninterrupted product utilization and optimal performance. We are driven to ensure that your CUSA EXcel+ system is performing to your expectations at all times and that you have confidence in its ability to serve you and your patients for years to come.

## Ordering Information

Catalog Number	Description
CUSAEXCEL2	CUSA EXcel+ Ultrasonic Tissue Ablation System Console



OPERATE WITH CONFIDENCE™



**Radionics**<sup>®</sup> Stereotaxy    **MAYFIELD**<sup>®</sup> Stabilization    **Auragen**<sup>™</sup> Brain Mapping    **Ruggles**<sup>™</sup> Instruments    **CUSA**<sup>®</sup> Tissue Ablation    **OSV II**<sup>®</sup> CSF Management    **DuraGen Plus**<sup>®</sup> Duraplasty    **Camino**<sup>®</sup> NeuroCritical Care

Integra LifeSciences Corporation  
 311 Enterprise Drive • Plainsboro, NJ 08536  
 Customer Service USA and Canada: 800.997.4868 • 609.936.5400 (Outside USA) • 888.980.7742 (Fax)  
[www.Integra-LS.com](http://www.Integra-LS.com)

Camino, CUSA, CUSA EXcel, DuraGen Plus, Integra NeuroSciences, OSV II, Radionics, and TissueSelect are registered trademarks of Integra LifeSciences Corporation or its subsidiaries. Auragen, CEM, Operate with Confidence, Ruggles, TipSelect, and the Integra wave logo are trademarks of Integra LifeSciences Corporation or its subsidiaries. MAYFIELD is a registered trademark of SM USA Inc. and is used by Integra LifeSciences Corporation under license.  
 ©2009 Integra LifeSciences Corporation. All rights reserved. Printed in the USA. For distribution in the USA only. NS3346-05/09