

Exsurco Medical Amalgatome® SD Brief

Part #: SDSYSTEM024 (Reusable System with Sterile, Disposable Excision Ring blades, sold separately)
Description: Amalgatome SD Skin Grafting and Wound Debridement Device

Key Information

Designed specifically for surgical skin grafting wound debridement, the Amalgatome SD features a unique 360° circular cutting head incorporated with an ergonomic hand piece. Designed differently than the standard oscillating cutting motion currently used which required pushing forcefully against the skin during use, the ASD glides over the skin in a pulling motion with minimal effort. This allows surgeon to safely maneuver over body contours and hard-to-reach areas that are challenging for current excision products. Built to help to reduce user fatigue, the ASD provides efficient wound debridement and uniform, consistent skin grafts.

Innovative Design

Instead of an oscillating back and forth cutting blade, the Amalgatome SD Excision comes from the integration of circular blades recovering skin grafts or debridement via a precision cutting design. The Excision Ring Blades™ are critical to powering the air powered device with gear teeth and a circular ball strip allowing them to spin at high RPM's. The ergonomic hand piece has a built in 15° angle on its contoured handle. Ultimately, this design eliminates the need for the back-and-forth cutting motion or pushing forcefully against the skin because the user can gently and smoothly pull the device towards them while performing the skin graft harvest or debridement. The result is much more control of the excision and allows you to move over contoured areas with greater ease and reduced time.

Depth Control

The Amalgatome SD is precision-engineered for consistent excision depth control when recovering skin grafts in either 2 inch or four inch wide. The depth of the graft or debridement can be controlled in increments of .001" ranging in thickness from 0.005" to 0.045" inches.

User Features

The Amalgatome SD potentially reduces user fatigue requiring less force than current powered excision instruments that require a sawing or pushing motion. Its contoured design glides over the epidermis and dermis with 180° of dissection range, and the greater maneuverability simplifies the ability to easily handle challenging body contours.

Key Benefits of Product:

- One Device. Multiple Procedures
- Superior Graft Quality (animal study on file) and consistent graft thickness
- Reduced excision into viable tissue for excised necrosis (animal study on file)
- Significant reduced procedure time vs. conventional dermatomes and traditional debridement devices in both skin grafting and debridement.



About Exsurco Medical:

Medical, a medical device manufacturer of high precision products for tissue banks and healthcare professionals. The company was created out of Bettcher Industries, a market leader in patented precision cutting and trimming tools for food processing and industrial manufacturing.

In 2008, Bettcher leadership began exploring potential applications for their technology in the medical marketplace. Through strategic innovation Bettcher provided access to non-dilutive funding sources, and expertise in early-stage business formation and marketing in the healthcare space.

Over the next three years, Bettcher researched, developed and launched products for tissue banks and tissue processors across North America. The company hired experienced professionals who understood tissue bank customers. Building on this infrastructure, Bettcher formed Exsurco Medical, a wholly-owned subsidiary in 2011, to develop and commercialize advanced devices for the recovery and processing of cadaveric tissue for lifesaving skin grafts.

To help build its team, Exsurco Medical hired Sara Ann MacKinlay as President of Exsurco Medical Group in 2014. With more than 25 years' experience as a healthcare executive for companies such as Johnson & Johnson, Invacare and Smith & Nephew, MacKinlay assembled a team of 17 professionals with expertise in key facets of medical device manufacturing, including engineering, quality regulatory affairs and marketing and sales.

In 2015, Exsurco Medical moved into its own production facility, a standalone space with a Class 7 cleanroom for assembling and packaging in Wakeman, OH. Exsurco Medical also is registered with the FDA and is ISO 13485:2016 certified.

Exsurco Medical's mission is to advance incision science to improve the lives of patients in need of the healing power of skin. In 2017, the company launched a new wound debridement and skin grafting medical device, the "Amalgatome SD" for use in burn and trauma centers. The product is currently in use in burn centers across the United States.