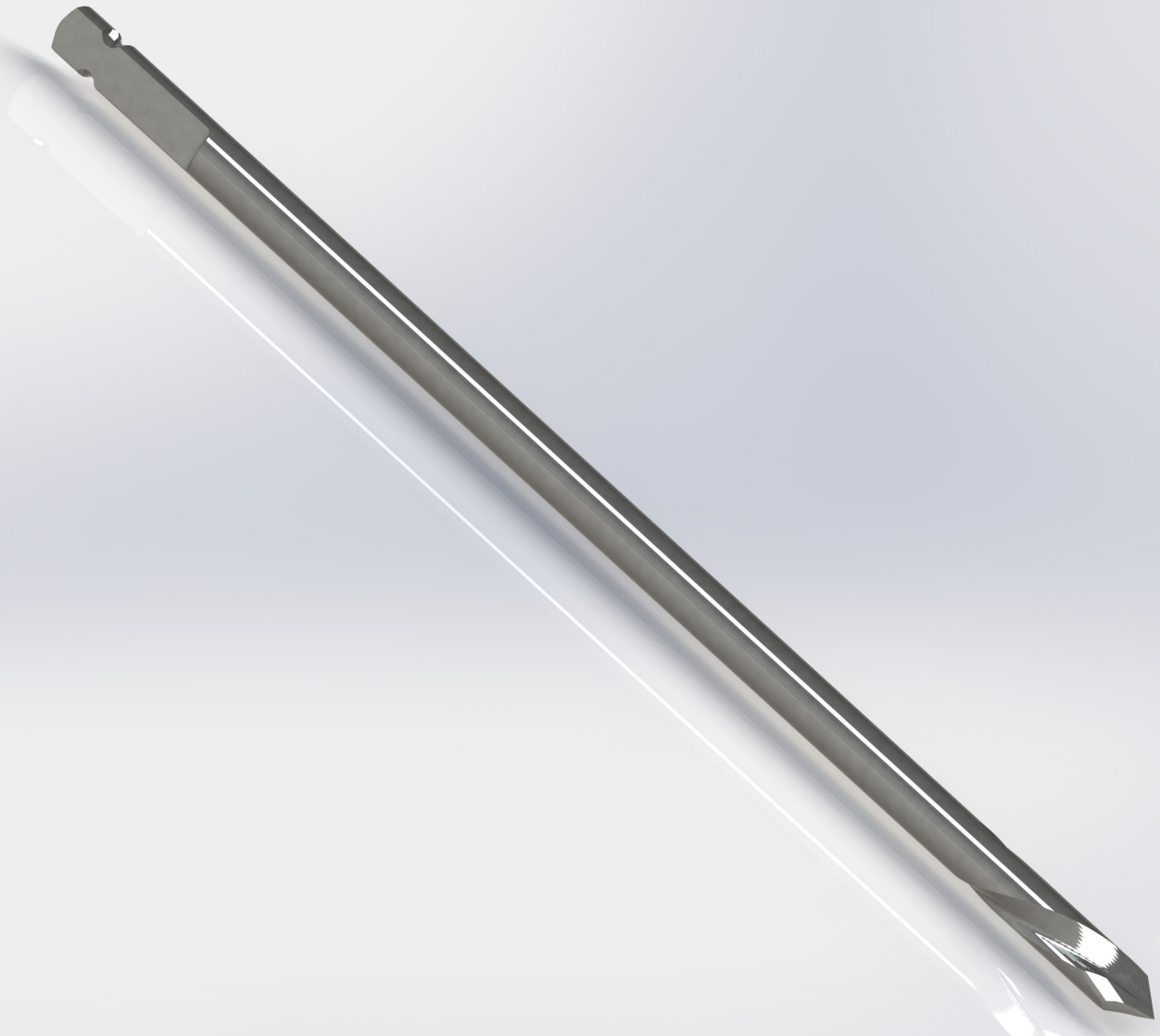
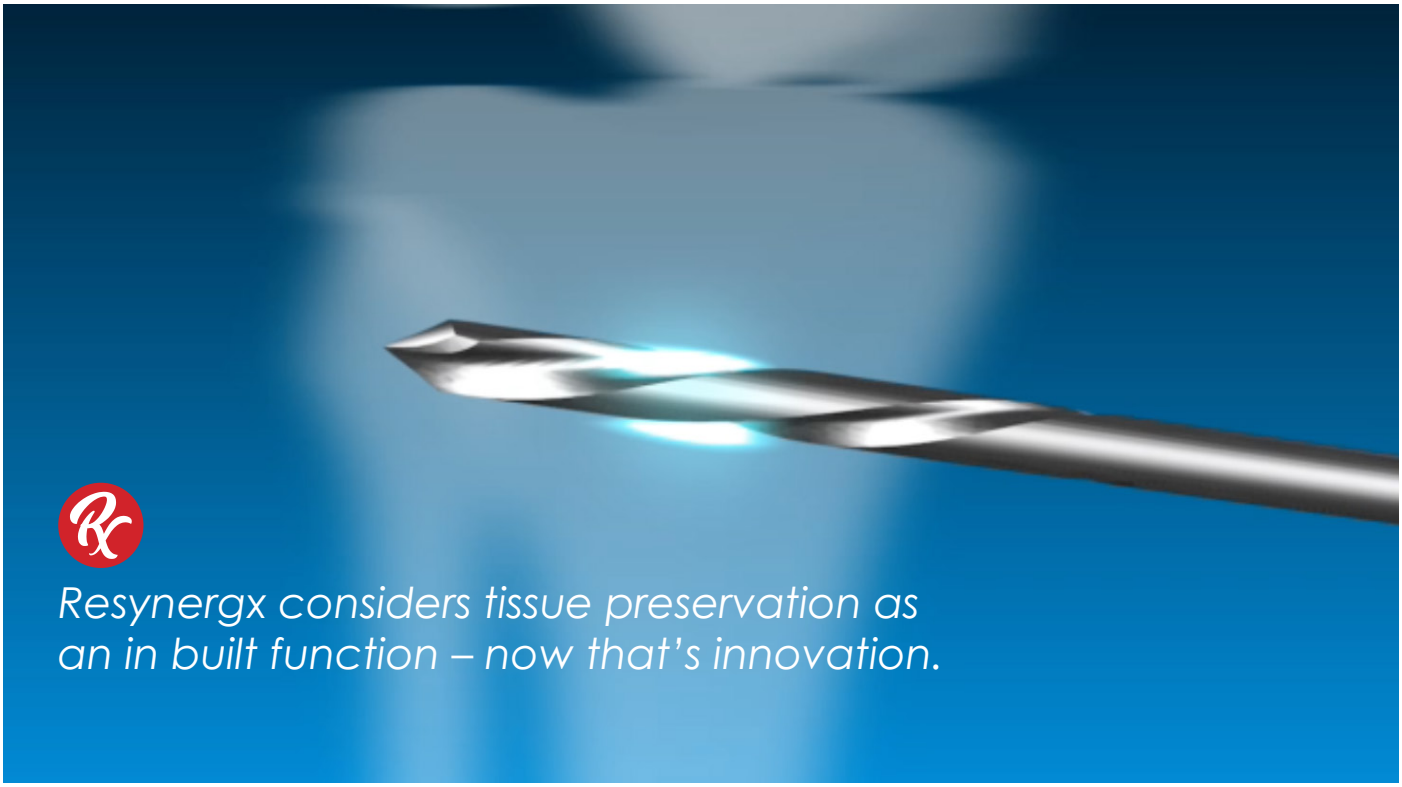
NOW there's a drill bit that releases autologous bone graft into every drill site.



RESYNERG



Analysing the Needs

For decades orthopaedic surgeons have been supplied drill bits based on traditional industrial manufacturing technology. Drilling requirements for living tissue were treated no differently than inert materials such as wood, metal and plastic. Biology, cellular morbidity, thermal insult and sterility are just some of the issues associated with drilling living tissue.

Surgical techniques are performed to repair and heal living tissue. Less removal of healthy tissues and decreased damage to the tissue logiaclly may enhacnce postoperative recovery and reduce morbidity. The biology of healing is complex and minimising removal or damage to healthy tissue may play an important role in enabling optimum biological healing response. The presence of healthy autologous tissue is highly desireable for succesful surgical outcomes. Conversly, removal of healthy tissue from the surgical site may inhibit recovery, healing and may slow osteointergartion or the resorbtion of implants.

Invasive instrumentation plays an important role in surgical techniques. Technological advancements in equipment can provide hospitals, nurses and surgeons with better outcomes that they continually seek to achieve. No technology or biomaterial advancement can replace the healing ability of healthy host tissue. It could be said that the best advancements in surgical device technology would be those that enhance or augment the body's own vital healing properties – rather than seek to replace it.

Design

Resynergx has been designed after careful consideration of orthopaedic surgery bone drilling requirements. Resynergx is the only drill bit with a unique reverse cutting flute that ejects bone tissue as it is removed from the drill site potentially increasing healthy cellular count.

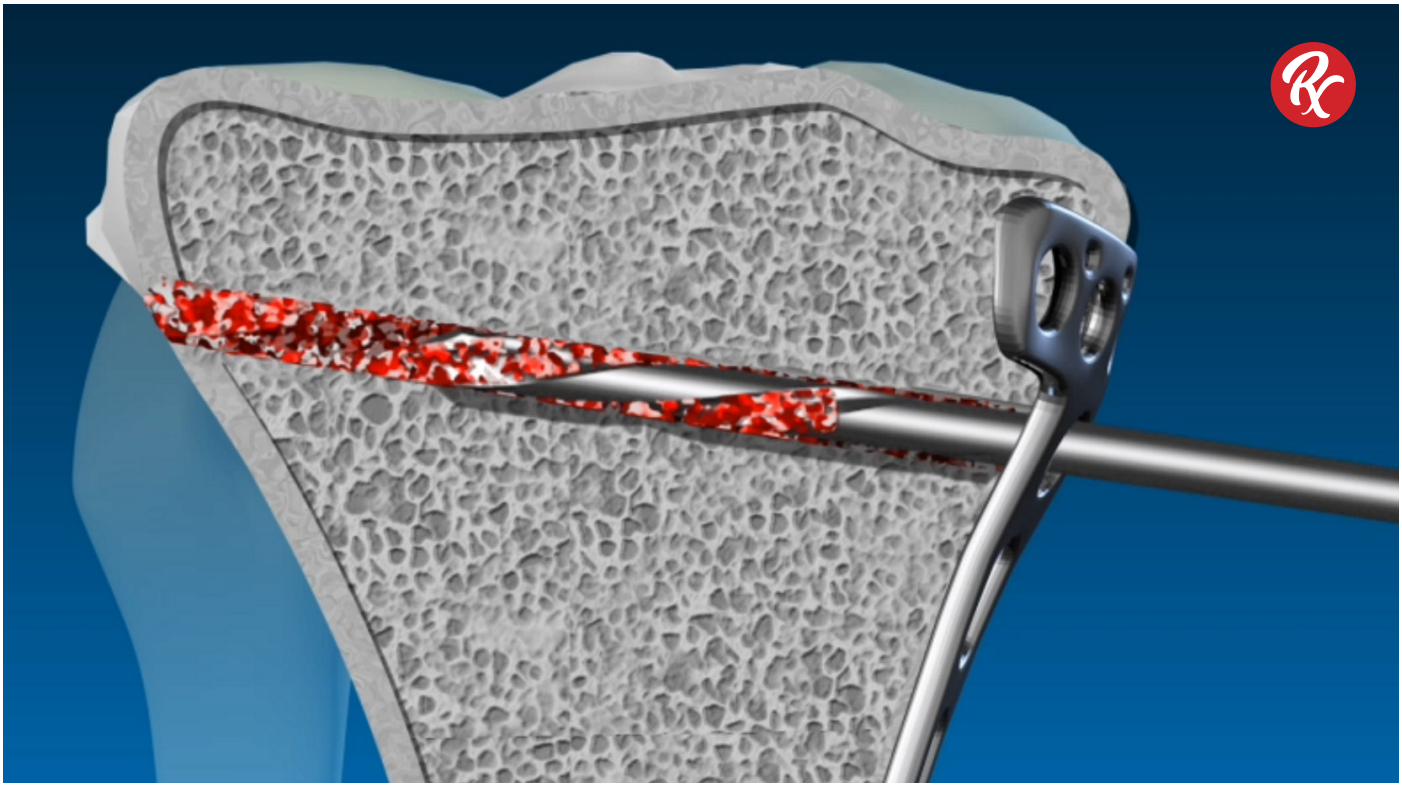
Orthopaedic drill bit designers have for the most part considered cutting effeciency. However, there is now an orthopaedic drill bit which meets the requirement for cutting effeciency, with a precision ground cutting tip combined with a unique flute profile desiged to eject autologous bone material back into the surgical site. Orthopaedic drill bits are intrinsic to most orthopaedic procedures yet current designs fall short of this solution. Resynergx provides surgeons with possibly the ultimate healing technology – autologous tissue.

Complex instruments are used to accurately deploy implantable prostheses. The drilling procedure is a core element to all surgery where devices or tissues are placed into bone to perform specific functions. Failure of healing, non-union and other poor outcomes may lead to multiple surgeries, reduced quality of life, or both. Any improvement in drill design and performance that preserves healthy tissue may provide improved biological responses and thus improved clinical outcomes over the entire spectrum of orthopaedic procedures.

Resynergx, with its unique flute design, outperform other orthopaedic drill bits. Resynergx will provide the surgeon with certainty, peace of mind and confidence that it will cut bone tissue accurately with ease and total control, whilst preserving tissue and minimising tissue degradation.

Any product that better supports and promotes a natural healing process is without question the preferred surgical design choice. Resynergx considers enhanced expedited healing as part of the design intent. Resynergx is an all-purpose high performance surgical instrument that respects healthy tissue and promotes natural healing.

Resynergx unique design, minimal compromise, less removal of healthy tissue promoting a faster, natural healing process.



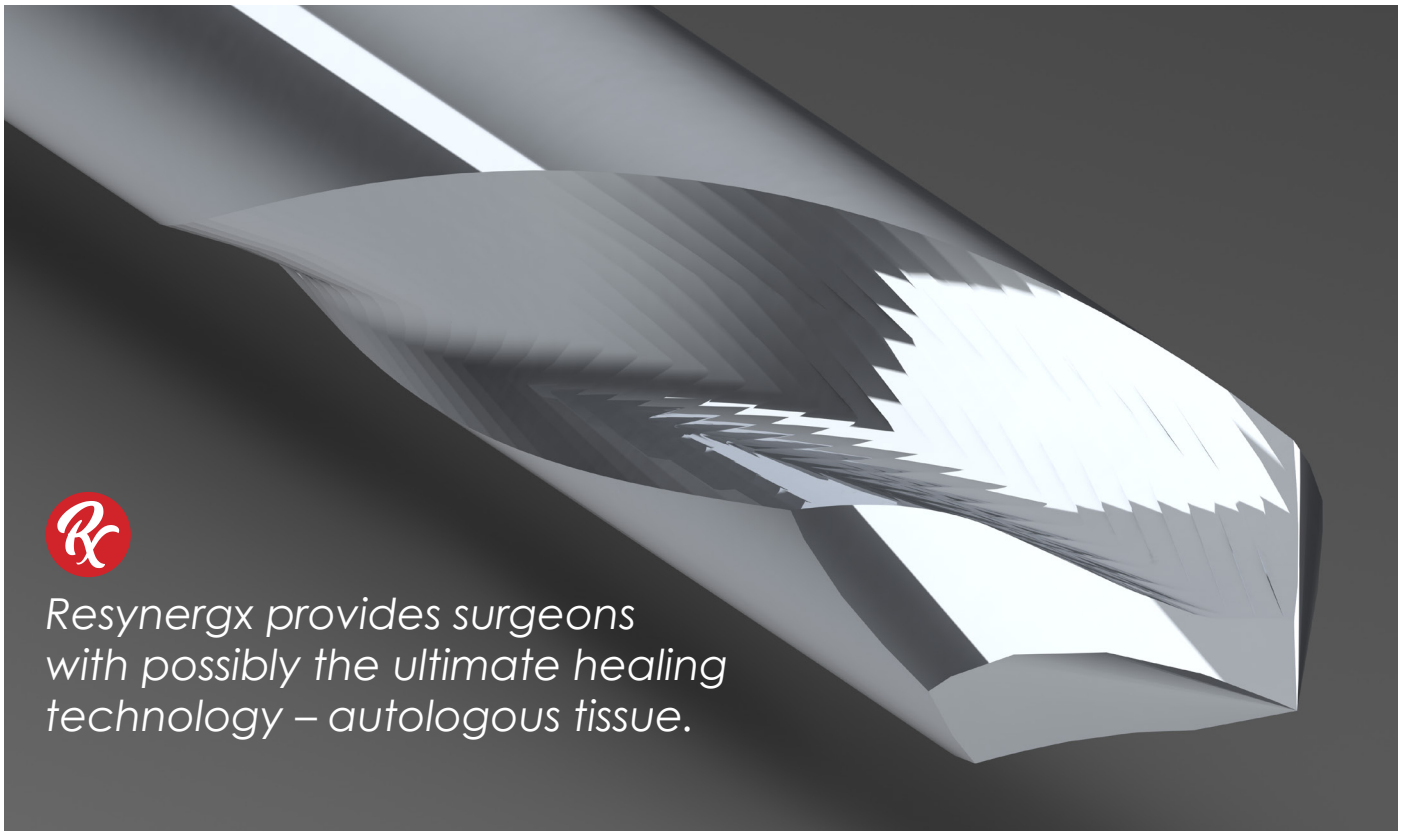
Why Resynergx?

It is the intension of the Resynergx design to result in less iotrogenic damage, less biological strain, less trauma, increased natural healing properties. It can be said that increased presence of healthy tissue may result in an overall improvement to the healing processes. This may have important implications in the fixation of many implant types including spinal, trauma and arthropalsty as well as the biological intergration of tendon grafts in sports medicine. Resynergx may also be particalry useful in drilling of osteperotic bone stock.

Clinicians depend on regeneration of healthy tissue for a complete healing response to be realised. Surgeons and hospital teams can now rely on Resynergx as a technologically advanced surgical drill bit option. Resynergx considers the unnecessary removal of healthy tissue as counterproductive to healing, recovery and the overall surgical procedure.

Resynergx is an orthopaedic drill bit designed to preserve healthy tissue, promote healing and successful surgical outcomes.

Maybe it's time to re-think your drill bit requirements – Resynergx.



Why pay more for outdated technology.

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