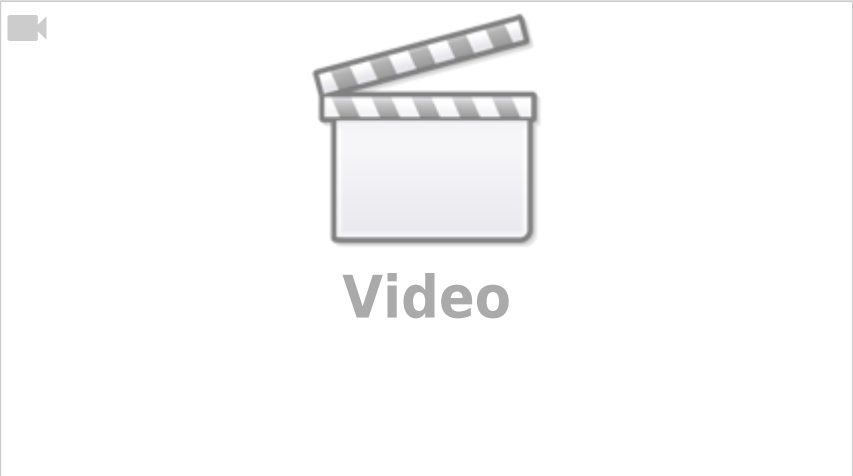
RoboticScope



The **RoboticScope®**, developed by **BHS Technologies**, is a cutting-edge robotic-assisted digital surgical microscope designed to enhance surgical visualization and ergonomics. Unlike traditional surgical microscopes, the **RoboticScope®** allows surgeons to control the device through intuitive **head gestures**, freeing their hands for surgical tasks. This enables surgeons to change perspectives, angles, and zoom levels without needing to reposition the microscope manually or interrupt the procedure.

Key features of the **RoboticScope®**: 1. **Head Gesture Control**: Surgeons can control the direction, zoom, and focus of the robotic camera simply by moving their head, offering hands-free navigation. 2. **3D Visualization**: The system provides a **3D Head-Mounted Display (HMD)**, delivering a stereoscopic view of the surgical site in real-time. 3. **Improved Ergonomics**: By allowing surgeons to maintain an upright and comfortable posture, it helps reduce physical strain, which is common in long, complex procedures. 4. **Multi-disciplinary Use**: It's used in various surgical fields such as **neurosurgery**, **ENT surgery**, and **plastic surgery** for procedures like tumor resections, cochlear implants, and microsurgeries This innovative system has been positively reviewed for its ability to improve both surgeon comfort and workflow efficiency, potentially reducing surgery times in the future

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BHS Technologies, based in Innsbruck, Austria, specializes in creating innovative medical devices, with their flagship product being the **RoboticScope®.** This revolutionary robotic surgical microscope is designed to enhance **microsurgery** by providing surgeons with more flexibility, ergonomics, and precision. The **RoboticScope®** features a **Head-Mounted Display (HMD)** that allows surgeons to view the surgical field in **3D** and control the scope using intuitive **head gestures**, freeing them from the typical physical constraints of traditional microscopes.

Key advantages of the **RoboticScope®** include: - **Improved Ergonomics**: Surgeons can maintain a comfortable posture during long surgeries, reducing strain and preventing musculoskeletal disorders. - **Head Gesture Control**: Surgeons can control the robotic arm and adjust the view by simply moving their head, allowing for a more seamless and hands-free workflow. - **Precision and Flexibility**: With 6-axis robotic control and high precision, the system allows easy adjustment of perspectives without requiring the surgeon to move or change positions.

The RoboticScope is widely used in various fields, including **neurosurgery**, **ENT surgery**, and

plastic surgery, enabling surgeons to operate with greater comfort and efficiency