

## **OptraSCAN®-15: A digital pathology system**

OptraSCAN developed by OptraSCAN India Pvt Ltd and supported by Biotechnology Industry Research Assistance Council (BIRAC) provided with affordable scanners is thriving to bridge the above gaps and trying to bring a paradigm shift in digital pathology adoption. OptraSCAN is an affordable substitution to other similar products offered by MNCs which are priced much higher.



OptraSCAN®-15 (OS-15) is a cloud-enabled 15-slide scanner with 20X & 40X magnification, convenient for bright field application. OS-15 provides flexibility for scanning, storing, archiving and managing digital images & metadata. These low and high throughput scanners with small footprint, are lightweight and can easily fit into small workspaces. It is easy to install and comes with a user friendly, intuitive LCD touch screen based on one-touch walk-away automation. Its proprietary software such as IMAGEPath®-image management system for viewing, storing and archiving and TELEPath®-Telepathology for real-time, remote consultations are included with OS-15 scanner.

Digital Pathology (DP) is relatively at a nascent stage in India. Many tier II & III cities are yet to accept and adapt to DP completely. Mostly microscopes are preferred in many hospitals and labs. The transition from microscopy to digital slides is the need of the hour as DP offers many benefits including: viewing, storing, archiving, real-time sharing and reporting of data etc. The Medical Council of India has also made digital scanners compulsory in all medical colleges as a part of their curriculum as they offer an easy shift from static imaging to digitization. Such scanners can prove to be beneficial in cancer studies and research etc.

Various AI (artificial intelligence) & ML (machine learning) based image analysis solutions offered here can provide rapid, reproducible and accurate analysis of various cancer biomarkers with these Bright field scanners. OptraSCAN has received approval from the Government of India for mass validation and use of digital pathology system in research and medical settings.