

## Meril introduces advanced surgical robotic technology MISSO

20 June 2024 | News

**A first of its kind technology that can make robotic knee surgery available even in smaller hospitals and Tier 2 and 3 cities**



Vapi-based Meril, a global medical device company, has announced the launch of its advanced surgical robotic technology, MISSO.

MISSO is a high-quality robotic system entirely made in India that provides surgeons with real-time assistance during knee replacement procedures with unparalleled accuracy. Indian hospitals currently depend on imported robotic technology for knee replacement surgeries which requires a significant investment. MISSO will reduce this investment by ~66%, making these surgeries more accessible and affordable. The versatile technology of MISSO can be adapted for other joint surgeries

in the near future.

Knee replacement surgery is necessary for patients who suffer from severe osteoarthritis. This condition is highly prevalent in India, occurring in around 22 to 39 percent of the population. Today about, ~5.5 lakh people undergo total knee replacement in India every year, which is 2.5 times the number of such procedures conducted annually about five years ago.

Although its adoption is on the rise, the need for knee replacement surgeries annually is 7-8 times higher than the current number of surgeries performed in India. Currently, only 20% of surgeons perform 80% of knee replacement surgeries (approx.).

MISSO has received approval from CDSCO and is queued up for CE and USFDA approvals in times to come.

Dr Chandrashekar P, Director of Orthopedics, Sakra World Hospital, Bengaluru, says, "MISSO will help bring cutting-edge technology even to smaller hospitals so that maximum patients get the benefit of robotic surgery. Knee replacement procedures using robotic systems significantly reduce post-operative pain and help patients get back on their feet rapidly as compared to conventional procedures. MISSO, the indigenous robotic system will certainly change the landscape of robotic surgery in India and is a proud moment for our country."