

## **Opto- semiconductor chips manufacturer unveils medical device for precise vein detection**

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**Vein Detection Light is tailored for the IV Hydration, home healthcare, home infusion, and ambulance markets**

Tamil Nadu-based Polymatech Electronics, at the forefront of semiconductor chip innovation in India, has unveiled its groundbreaking medical device - the Vein Detection Light.

This cutting-edge technology promises to revolutionise the healthcare industry, offering a solution to a pervasive problem of accurate vein detection in medical procedures worldwide.

The device features high-definition vein detection, delivering real-time full high-definition (FHD) visualisation (1920 X 1080) for unmatched clarity in identifying subdermal veins. Weighing a mere five lbs. and designed for mobility, the Vein Detection Light provides healthcare professionals with unparalleled convenience across various medical settings.

According to industry estimates, there are around 174 million veni- puncture failures worldwide every year, with a failure rate of one in five attempts in adults and one in three attempts in paediatrics. Moreover, patient movement during infusion poses the risk of unintended needle punctures, leading to potential complications such as infiltration or extravasation, where the administered medicine leaks from the vein into the surrounding tissue.

Polymatech's Vein Detection Light addresses the critical need for accurate vein detection, especially in challenging cases where time is of the essence.