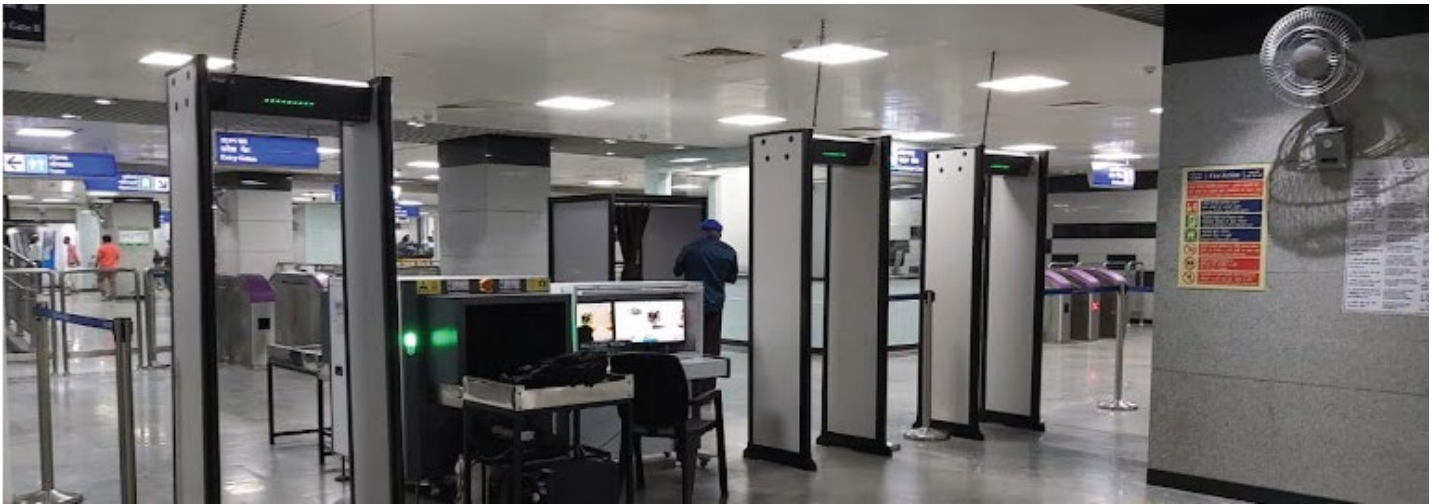




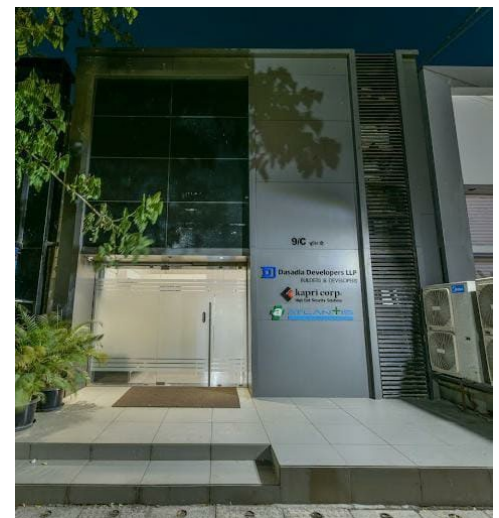
## Proudly Supporting **Make in India campaign**



Kapri Corp was formed in 2005 to meet the growing needs of Government, its security agencies and the private sector in the field of High End Security Solutions as an answer to the scourge of terrorism and high incidence of criminal activity today.

The business covers technology transfers and inhouse indigenisation of manufacturing & assembly of subcomponents, calibration & services of various high - end security solutions involving domestic and international project executions. Today our group turnover is more than USD 12 - 15 Million. We provide customized solutions to our valued clients that is based on a thorough analysis of the situation each clients face as well as their budgets.

Situated in Mumbai, & Delhi, Lucknow, Patna, etc, Kapri Corp has its unique advantage of dealing with the best corporate and government authorities. With our consistent efforts and our experience reinforced with honesty, hard work, innovation and excellence, we have established a good reputation in cooperation & technological tie ups with companies in the Turkey, Russia, Germany, Sweden, Taiwan, America, & UK in support of "Make in India" and "Atma Nirbhar India" initiatives.



With our highly trained team of support staff, we respond to calls for service and maintenance within the shortest possible time. The R&D, production, and service & maintenance team consists of the Managing Director, the Technical Head, Business Development Head and a number of experienced engineers & technicians. Being an ardent supporter of Hon' Prime Minister's Initiative of "Make in India" & "Atmanirbhar Bharat" our company have taken huge strides in designing, manufacturing & localizing our offered solutions. Our ever increasing dealer network has enabled us to provide services throughout India. Quality and customer satisfaction has been the primary motto of our enterprise and we have always excelled, bringing quality integrated solutions (for example EOD & IEDD Solutions (Anti Sabotage equipments), Screening & Metal Detection solutions, Surveillance & Anti Surveillance solutions, Drones & Anti Drones Systems etc.), and services to our customers over the world.

# M-ION (EXPLOSIVE VAPOUR AND TRACE DETECTOR)

M-ION can detect and identify wide variety of explosives including pure explosive, composite explosive in vapour mode under different humidity and pressure conditions. A list of explosives includes TNT, RDX, C4, Semtex, PETN, ANFO, EGDN, Nitroglycerine (NG), Dynamite, DNT, Black Powder and theirs mixtures.



M-ION can detect the same explosives in the particle mode. The napkin from usual aluminum foil is used for surface wiping. (special consumables are not required).

M-ION is based on Field Asymmetric Ion Mobility Spectrometry. M-ION doesn't contain any radiation sources. Corona discharge is used as the ion source. M-ION has two-circuit system of the gas flows: the first for sampling, the second for creation clean and dry the carrier flow. M-ION does not require the special calibration.

M-ION has a special electrostatic valve for filtering the ions by their polarity. This valve significantly reduces false alarm rate from non-explosive materials

M-ION's warm up time isn't more than 2 minutes. M-ION is easy to use. It doesn't require any professional training. Presence of explosive in the sample is visually presented on the device's LCD display or on any device with Wi-Fi that can work as remote control.

**M-ION can be used effectively both indoors and outdoors at plus temperatures.**

## General specifications

|                                                                                            |                                                                                |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Threshold sensitivity in vapor mode (for TNT at 20 °C and 80% humidity), g/cm <sup>3</sup> | Better than 10 <sup>-14</sup> (1ppt)                                           |
| Threshold sensitivity in particle mode (for TNT), pg                                       | 100                                                                            |
| Technology                                                                                 | Field Asymmetric Ion Mobility Spectrometry (FAIMS)                             |
| Radiation source                                                                           | NO                                                                             |
| Calibration                                                                                | Not required                                                                   |
| Type of ionization                                                                         | corona discharge                                                               |
| Explosives detected                                                                        | RDX, PETN, TNT, Semtex, NG, EDGN and other improvised explosives based on them |
| Alarm type                                                                                 | Audio and visual, with substance identification                                |
| Software Load time, seconds                                                                | Approx 40 sec                                                                  |
| Analysis and results time, seconds                                                         | 2 - 8                                                                          |
| Sampling distance, mm (in)                                                                 | up to 100 (3,94)                                                               |
| False alarm rate                                                                           | Less than 1%                                                                   |
| Time of continuous work in standalone mode, hours                                          | not less than 4                                                                |
| Display                                                                                    | 109mm (4.3in) TFT color display with touch screen                              |
| Operating temperature, °C (°F)                                                             | from minus 20(14) to 60(140)                                                   |
| Operation humidity at 25°C (77°F)                                                          | 95% non-condensing                                                             |
| Operation altitude, m (ft)                                                                 | up to 5000 (16 404)                                                            |
| Dimensions (L x W x H), mm (in)                                                            | 400x160x110 (15,75x6,30x4,33)                                                  |
| Weight, kg                                                                                 | 2.0                                                                            |