

## Clients

Our products have solved the rat problem in various industries. The following are the few well known organizations that use our Ultrasonic Rodent Repellent System.

### Software Companies

IBM, Chennai  
Yahoo, Bangalore  
xChanging, Bangalore  
NDS, Cisco, Bangalore  
Dreamart Interactive Pvt. Ltd., Bangalore  
Genpact India Unitech, Haryana  
CIBER Sites India Pvt Ltd, Bangalore  
xChanging Technology Services India (P) LTD, Bangalore  
HCL Technologies Ltd, Bangalore  
Vodafone Essar East Limited, Kolkatta  
Soni India Pvt Ltd, Mangalore  
New Global India Pvt Ltd, Chennai  
24/7 Customer Pvt Ltd, Bangalore  
Symbios Soft Tech Pvt Ltd, Bangalore  
India Infoline, Bangalore  
Acheiva Technologies, Assam

### Banking & Finance

Reserve Bank of India, Patna  
Deutsche Bank, Bangalore  
State Bank of Hyderabad, Bangalore

### Infrastructure Developers & Interior Decorators

Larsen & Toubro Ltd., Nagpur  
CA DataCard Industries, Chennai  
Brawn Globus Turnkey Solutions, Gurgaon  
Dreamz Infra Pvt Ltd, Bangalore  
Sugan Mega Power Project, Gujarat  
Shree Nakoda Ispat Limited, Chattisgarh  
Menzies Aviation Bobba, Bangalore

### Food & Hospitality

MORE Super Market, Maharashtra  
M/s Indo Nissin Foods Limited, Bangalore  
M/s Farm Feast Foods, Mysore

### Security Agencies

Secure Access Solutions, Chennai  
Swathy Smart Cards Hi Tech Pvt Ltd., Salem

### Government Offices

The Consulate General Of France (EMBASSY), Bangalore  
Commanding Officer INAS 333, Vizag  
Commando Hospital Air Force, Bangalore  
Commanding Officer AMLA, MP  
Central Research Lab, Lucknow  
University of Pune

### Drugs, Medical Equipment & Pharmaceuticals

Himalaya Drug Company, Bangalore  
Dr.Reddy's Laboratories Ltd., Hyderabad  
Pharma Lab India Pvt. Ltd.  
Bluefish Pharmaceuticals, Bangalore  
Cipla Ltd., Bangalore  
Auctus Pharma Ltd.,  
Electro Medical Systems, Bangalore  
Pam-Glatt Pharma Tech Pvt Ltd., Satara  
Shalina Laboratories P Ltd, Mumbai  
M/s Trinity Hospital & Heart Foundation, Bangalore

### Manufacturing Industries

Hyundai Motor India Ltd, Chennai  
Hemavathy Power and Light Pvt. Ltd., Karnataka  
Bramhani Industries Limited, Kadappa  
Exide Industries, Hosur  
Marthrubhumi Printing, Kerala  
NTPC, Mouda, Nagpur  
Jacobs Engineering India Pvt Ltd, Ahmedabad  
Sugan Mega Power Project, Gujarat  
Shree Nakoda Ispat Limited, Chattisgarh  
SM Engineering Services, Bangalore  
Hitech Engineers & Consultants P Ltd., Hyderabad  
Airworks India Engg Pvt Ltd., Bangalore  
Torrent Energy Ltd (TEL), Gujarat  
Uttam Galva Metallics Limited, Bhugaon  
Hemavathy Power & Light Pvt Ltd., Karnataka  
Bill Forge Private Limited., Bangalore  
Sai Spurthi Power Pvt Ltd., Karnataka  
Eastman Exports, Tirupur



An ISO 9001:2008 Certified Company



# SURAKSHA

Ultrasonic Rodent Repeller

Models :  
**DX, MX and VX**



EMC 2004/108/EC  
MADE IN INDIA



Just Plug



Harmless  
for Pet



Use anywhere  
indoor



Will not  
harm Human

## Varna Enterprises

An ISO 9001:2008 Certified Company

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# Varna Suraksha DX, MX and VX

## An Innovative Technology Varna Ultrasonic (Electronic) Rodent Repellent System

- Protects IT infrastructure, server rooms, and cables against rats
- Protects food and consumable products against rat contamination
- Safeguards human health against spread of rat borne diseases
- Protects commercial buildings from structural damages due to rats
- Our ultrasonic products are safe for humans, kids and pets.

Varna Suraksha Rodent Repellers - DX, MX and VX Standalone units are high frequency signal generators. These signals are fed to the transducers which in turn convert them into high frequency ultrasonic sound waves (well above the 20 KHz frequency which is the upper limit of the hearing range of humans). The transducers emit intensive sound waves at high decibels (sound pressure) that are audible and painful to rodents but are inaudible (complete silence to humans) and harmless to humans. The rodents usually leave the area being protected by the ultrasound waves immediately and at other times it may take as long as 4 to 6 weeks before there is significant reduction in rodent infestation.

### The System Consists of

#### Varna Suraksha DX

(Stand Alone Unit – Covers upto 300 Sq Ft. Area)

#### Varna Suraksha MX

1 Stand Alone + 1 Additional Transducer -  
Covers upto 600 Sq Ft. Area

#### Varna Suraksha VX

1 Stand Alone + 2 Additional Transducers -  
Covers upto 900 Sq Ft. Area

### Standalone Unit

This model is a stand alone system that can protect an enclosed area of 300 sq. ft. MX and DX model will have provision to connect additional one and two transducers respectively.



## Technical Features

Operating Frequency	Above 20 KHz (Continuously Variable)
Sound Output (Sound Pressure)	80 dB to 110dB
Power output	800 mW per Transducer
Power Consumption	5 Watts per Transducer
Power Supply	230 V AC 50 Hz
Master Console Dimension	21 x 7 x 11 (in cm)
Weight	910 (in gm)
Mounting Master Console	Wall or Table Mounting

## Transducers

Each Transducer can protect upto 300 Sq Ft. in a normal floor, 150 Sq Ft. in false ceiling and false flooring against rats. If there are any obstructions, partitions, sound absorbing material within the room, the area covered will be considerably less, additional transducers has to be installed.

- Does not require power supply, they are connected to Master console
- Can be installed in sensitive areas also, since there are no electricity hazards
- Can withstand high and low temperature



## Effects of Ultrasound Repeller on Rats

- The high sound pressure and multiple frequencies create painful effect on rat's ear drums and make them unbearable.
- Damages their nervous system if they try to resist, and become slow-moving.
- Creates adverse effect on their reproduction activities and helps to control their population.
- Their eating appetite totally gets affected with continuous irritation of ultrasonic waves.
- Finally, they leave the area after some initial resistance.

## Final Result

Rats will move out of the ultrasonic protected area in search of new location where there is no ultrasonic sound. It may take 1 week to 4 weeks to see complete results. And also, other territory rats will not enter to your ultrasonic protected areas since they will find this place hostile.