

ITECH ROBOTICS

# I-CAN



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**TAGEM**  
AR-GE & İNOVASYON

# THE SMART SOLUTION FOR PERFECT BARN CLEANING

The hygiene of the barn floor affects animal health in many ways. Healthy animals offer greater productivity and require less attention. The three main factors in animal separation; mastitis, low fertility and foot health problems. Hygienic barn floors keep legs, breasts and tails clean. In this way, the risk of infection is minimized. Foot and breast health problems are reduced.

## BREAST HEALTH

Mastitis is a serious problem that causes great economic losses by increasing costs in dairy efficiency and causing a significant decrease in milk yield. Economic losses due to mastitis are milk wastage, treatment costs, veterinarian fees and decreased milk yield.

## FOOT HEALTH

Foot diseases in cows are a serious welfare problem and cause significant economic losses. Foot diseases have many causes. As a result of silage-based feeding, the contact of the feet with feces containing lower dry matter, keeping the barn environment dirty and moist can be considered as the causes of infection.

## FERTILITY

Cows show their natural behavior more easily when the ground they step on is clean and comfortable. This facilitates the identification of cows in fertility window and shortens the calving interval.

Disease	Cost/Per cow	Heard Cost/Yearly(100cows)
Mastitis	262\$	10.490\$
Abomasus Displacement	489\$	2.447\$
Retention/Metritis	325\$	4.874\$
Lameness	478\$	14.330\$

Cost per disease in the base of herd.

# What is I-CAN

I-CAN autonomous manure stripping robot enables the manure lanes inside the barn to be cleaned economically and safely. It can be operated autonomously and manually. Thanks to the structure of the scraper chamber that completely surrounds the manure path, it easily clears the ground from manure.

## TEKNİK ÖZELLİKLER

<b>SPEED:</b>	1M/S
<b>WEIGHT:</b>	
<b>USAGE DURATION:</b>	120DK
<b>DRIVE SYSTEM:</b>	ELECTRIC DRIVE
<b>MAX GROUND INCLINATION:</b>	%5
<b>WORKING TEMPERATURE:</b>	-20C/+50C

### SCRAPER DETAILS

<b>EXTENT:</b>	14CM
<b>WIDTH:</b>	233CM
<b>HEIGHT:</b>	7CM
<b>HEIGHT FROM THE GROUND:</b>	0CM
<b>SCRAPING AREA:</b>	235-350CM



## EASY-TO-USE INTERFACE

Thanks to the simple and easy-to-use interface, the robot's work plan can be created automatically and manually.

## IT'S SAFER

I-CAN runs automatically and returns to the charging station.

## SERVICE FRIENDLY

I-CAN is designed to be maintained easily. There are few parts that need to be replaced and no lubrication is required. Keeping the I-CAN in perfect condition is easy.

## RATICAL CHARGING UNIT

A fast and practical use is offered with the charging unit that can be installed anywhere in the barn.

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# Why I-CAN?

PROVIDES A CLEAN AND FRESH BARN ATMOSPHERE

MINIMUM WORKLOAD BY WORKING FULLY AUTONOMOUSLY

MANURE CLEANING WITHOUT SCARING THE ANIMALS

LONG LASTING CHARGING AND WORKING DURATION

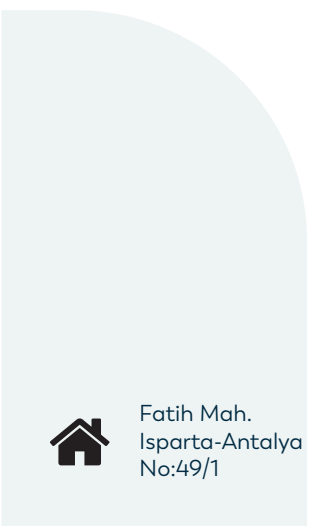
REDUCES THE COST OF STAFF

PROVIDES AN INCREASE IN ANIMAL HEALTH AND EFFICIENCY





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