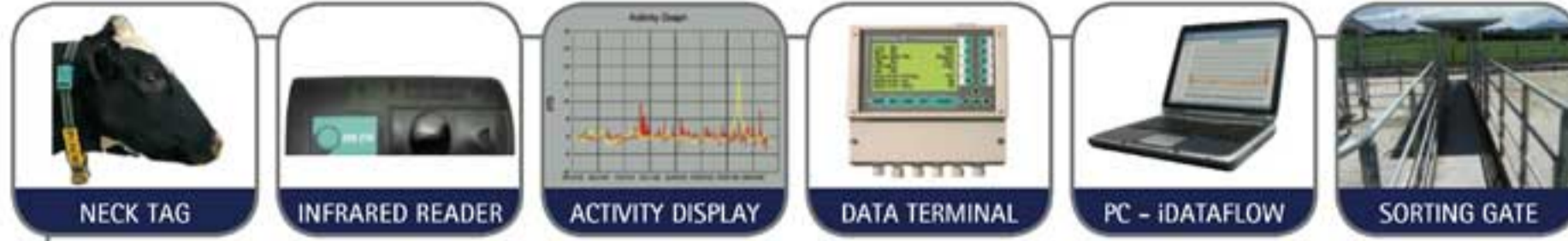




## ADVANCED HERD MANAGEMENT MODULES

# iHEAT TIME



Reliable detection of cows in heat (oestrus) is a key factor for successful breeding in herds using artificial insemination. Research shows that the oestrus period in dairy cows can sometimes last for less than 8 hours and a significant share of heats occur over-night.

iHEAT TIME is an advanced, compact and cost-effective system for detection of oestrus in dairy cows and buffalo herds. The system is designed for small to large dairy herds and can be configured for stand alone installation or networked with iDATAFLOW management software.

iHEAT TIME will improve the fertility rates and calving cycles, reduce "days open" and expenses on semen. The detection of oestrus is done by using Milfos's unique ID & Activity Technology. The tag includes a motion sensor, microprocessor and memory, which enables us to record a general activity index. This index quantifies all the cow's movements such as: walking, running, lying, standing up, head movements etc. The activity index is stored separately in the tag's memory for every two hours. This separate recording enables us to monitor the cow's activity on a time axis with great accuracy regardless of the time intervals between the tag readings. The additional information together with appropriate software allows us also to differentiate abnormal activity associated with oestrus from other activities such as walking to and from the farm dairy or any other occasional activities. The tag can store data for up to 24 hours. The iHEAT TIME comprises a small control box, with an ID unit, enabling simple installation and operation on any farm.

### KEY FEATURES

- Saves time on observations
- Improves fertility rates
- Less "open days"
- Reduces expenses on semen
- User-friendly Integrated control and display unit - No need for PC for herd sizes under 600 cows
- Special neck tag recording the cow's total activity for complete information and accurate detection
- Optional Automatic sorting gate

### ACCURATE IDENTIFICATION

- Advanced antenna technology and sampling algorithms ensure a high level of identification on both rotary or herringbone installations
- Neck collars using infrared ID



### DATA TERMINAL

- Multiple interfaces can be installed
- Graphical, easy to read display
- Quick keys for entering data and requesting cow information
- Keeps the operator in touch with cow information when they need it
- User friendly interface located at cups on or cups off on rotaries or in the pit area in herringbone dairies



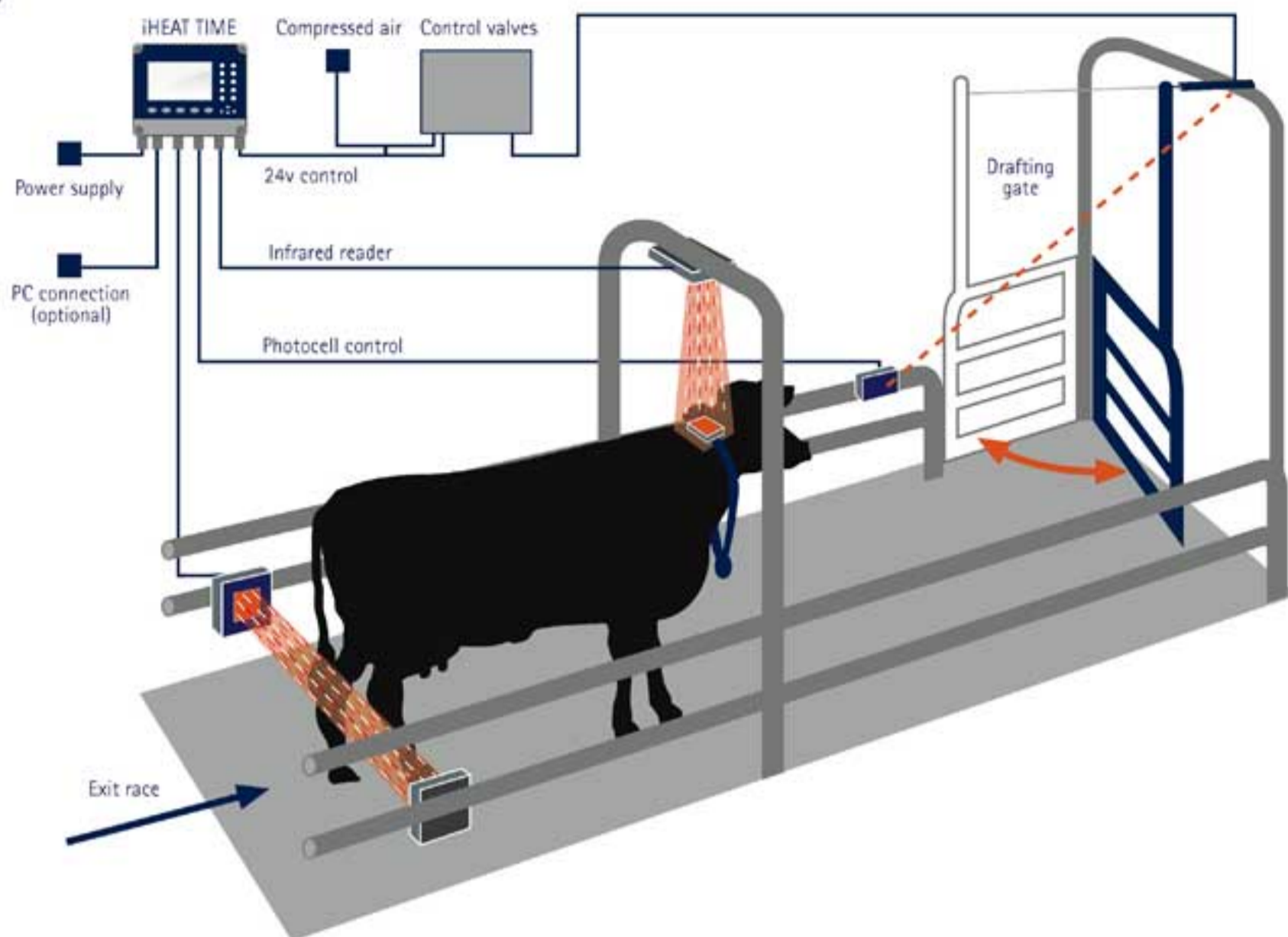
ACTIVITY COLLAR



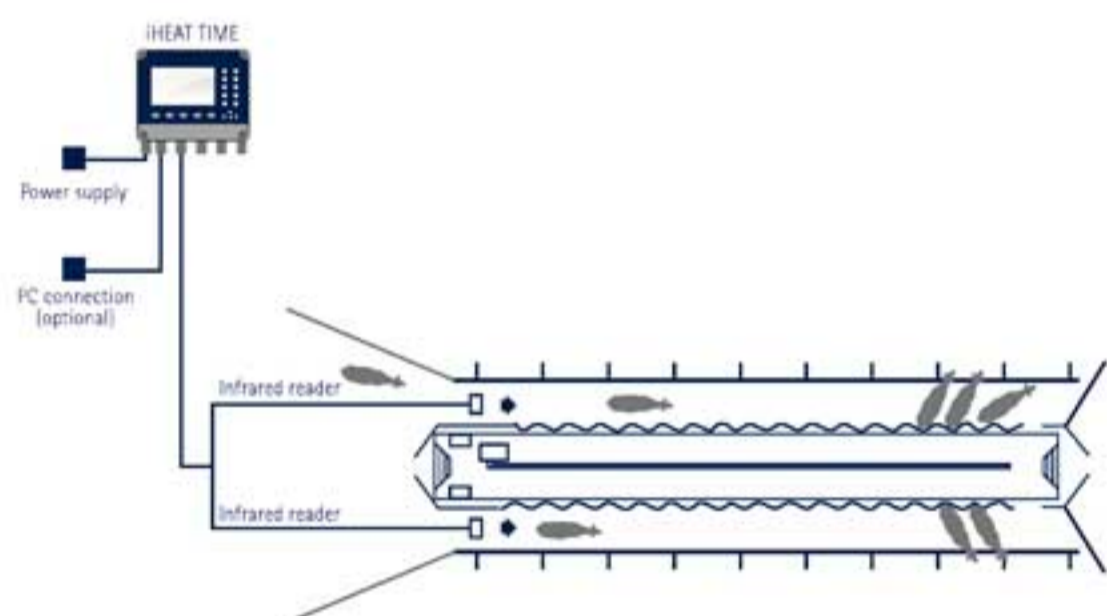
BUCKLE & WEIGHT



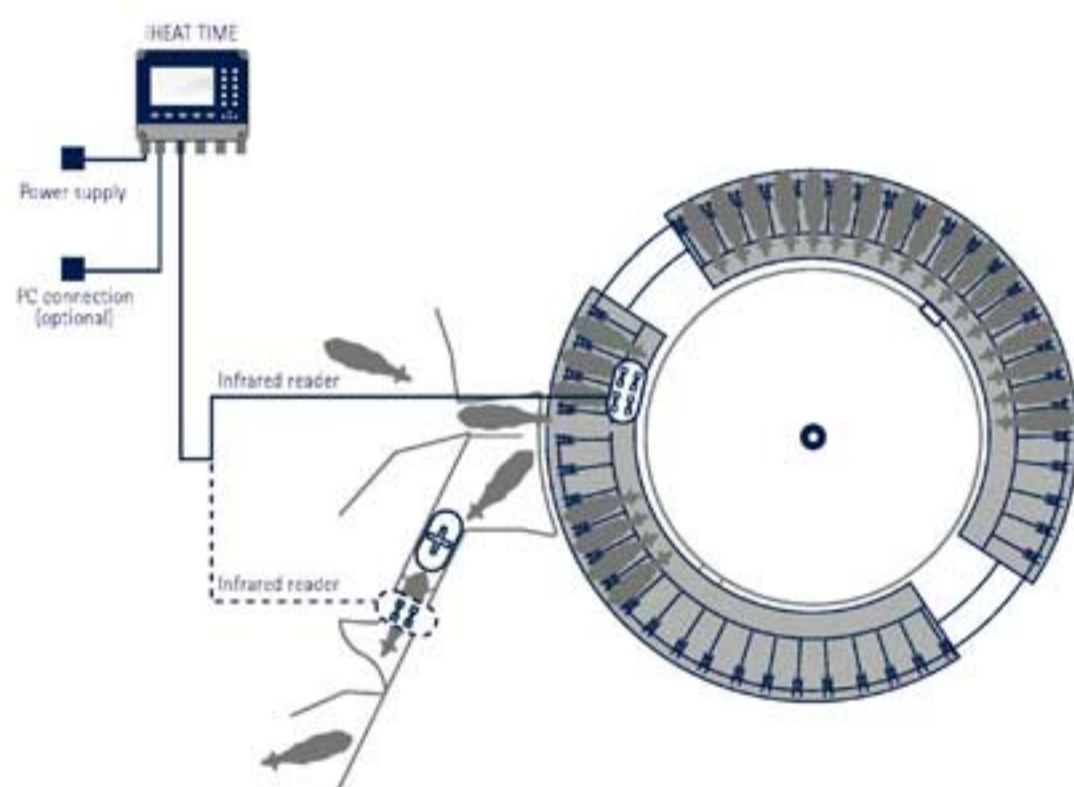
### OPTION 1 OR 3



### OPTION 2 + 4



### OPTION 5 + 6



|  | OPTION 1   | OPTION 2          | OPTION 3       | OPTION 4         | OPTION 5   | OPTION 6    |
|--|------------|-------------------|----------------|------------------|------------|-------------|
| DESCRIPTION  | EXIT RACE  | HERRINGBONE ENTRY | EXIT RACE w/PC | HERRINGBONE w/PC | ROTARY     | ROTARY w/PC |
| ACTIVITY TAGS                                      | ✓          | ✓                 | ✓              | ✓                | ✓          | ✓           |
| IR READERS   | ✓          | ✓                 | ✓              | ✓                | ✓          | ✓           |
| DATA TERMINALS                                     | ✓          | ✓                 | OPTION         | OPTION           | ✓          | OPTION      |
| 2 WAY SORTING                                      | OPTION     | •                 | •              | •                | •          | •           |
| 3 WAY SORTING                                      | •          | •                 | OPTION         | •                | •          | •           |
| MAX NO. OF COWS                                    | 600        | 600               | 5000           | 5000             | 600        | 5000        |
| STANDALONE OR NETWORKED                            | STANDALONE | STANDALONE        | NETWORK        | NETWORK          | STANDALONE | NETWORK     |
| iDATAFLOW HERD MANAGEMENT SOFTWARE WITH PC OPTIONS | •          | •                 | ✓              | ✓                | •          | ✓           |
| UPGRADE TO INTELSCAN / MILKING POINT MANAGEMENT    | ✓          | ✓                 | ✓              | ✓                | ✓          | ✓           |

NOTE: For sorting option see product details section 7.2.4 – 7.2.5