



DAIRY AUTOMATION SOLUTIONS

TIE STALL SERIES

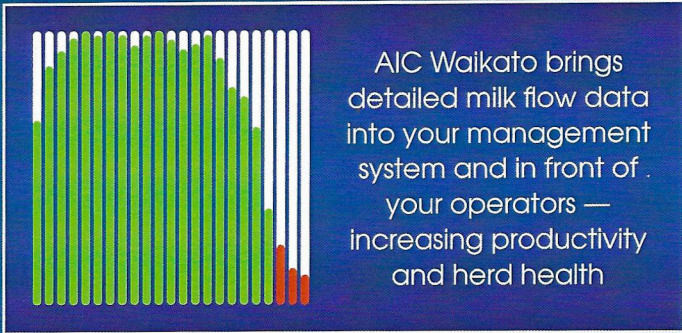
Step up to **Perfect Milking**

Espresso Detacher

Freedom Detacher



Managing productivity from Real-Time information



AIC Waikato brings detailed milk flow data into your management system and in front of your operators — increasing productivity and herd health

The Perfect Milking flow curve

- Rapid Increase in Milk Flow, Reaching Near Peak Quickly
- Sustained Near Peak Milk Flow Rate for 3-4 minutes
- Sharp Drop in Milk Flow prior to End of Milking
- “Minimal” Low Milk Flow period, Noted in “Red”
- Consistent “Very High”, Peak and Average Milk Flow Rates
- Short Milking Unit-On Time (Lower Milking Stress)

The fusion of manpower, livestock and technology to achieve optimum productivity and health.

AIC Waikato's Perfect Milking philosophy

We believe the most profitable dairies – like all businesses - are those which perform fundamental tasks to the highest standards. This belief is enabled by the “Perfect Milking” philosophy which is the cornerstone to streamlining a farm dairy business.

AIC Waikato tools and technologies guide farmers to achieve “Perfect Milking” — consistently delivering higher milk productivity in lower stress environments; ensuring healthier cows, managed staff and optimum utilization of milking equipment.

Our systems are clear, easy to use and uncluttered providing everything you need and nothing you don't. Our technology has gained an enviable reputation for Innovation, reliability and durability.



Expresso Detacher

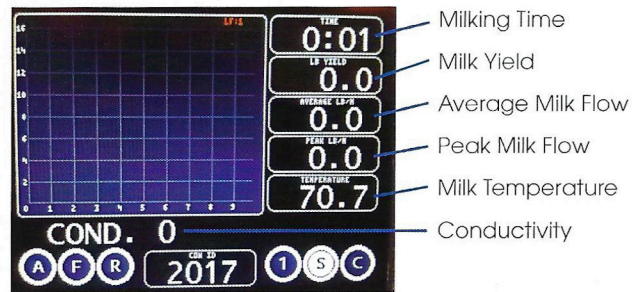


AIC Waikato's newest innovation in tie stall detachers

The highest level of tie stall automation with high speed interactive microprocessor to effectively manage your

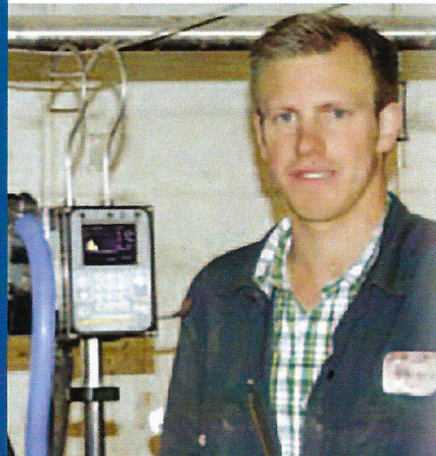
- Milking • Pulsation
- Herd Health • Washing

“Real Time” tie stall automation with high speed interactive microprocessors to effectively monitor your milk flow rates and curves.



Circle Call Outs:

- **A** or **M** = Automatic or Manual Mode
- **F** = Front Pulsation Output
- **R** = Rear Pulsation Output
- **S** = Milk Line Shut-off output
- **C** = Retractor Cylinder or Motor output



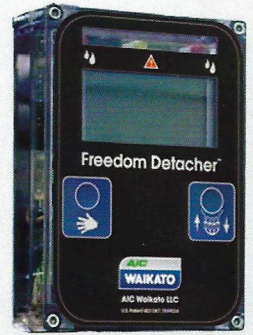
FEATURES

	Expresso	Freedom
Graphic Display	✓	✓
Milk Yield	✓	✓
Milk Temperature	✓	✓
CT-Logic	✓	✓
Wireless Communication	✓	
Operator Management	✓	
High-Speed Microprocessor	✓	
Keypad Data Entry	✓	
Colored High Definition Screen	✓	
Data analysis	✓	
Expandable Memory	✓	
Conductivity Monitor	✓	✓
Flexible end-of-milk detach	✓	✓
Rugged stainless steel construction	✓	✓
Prep timer	✓	✓

BENEFITS

	Expresso	Freedom
Simple to Install and Clean	✓	✓
Easily Adapts to All Brands	✓	✓
Optimize Milk Flow	✓	✓
ID Sick Cows	✓	✓
Improve Herd Health	✓	✓
Consistent Detach	✓	✓
Consistent Attach	✓	✓
Fast On-Farm Set-Up	✓	✓
Low Maintenance Cost	✓	✓
Reduce milker unit "on-time"	✓	✓
Ease of operation	✓	✓
Improve udder health	✓	✓

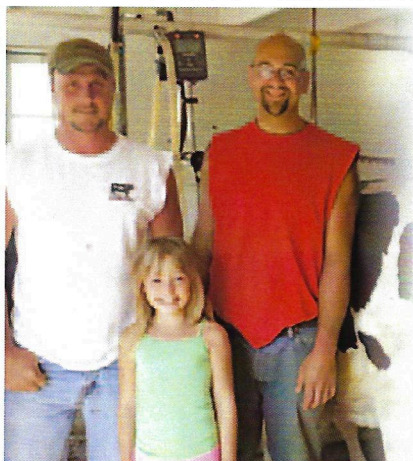
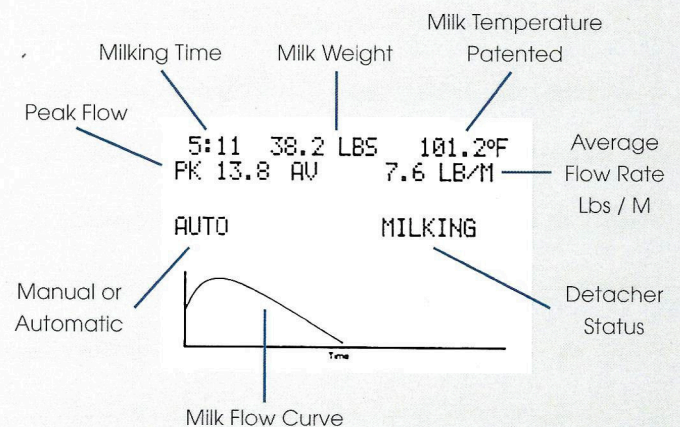
Freedom Detacher



Affordable, durable, dependable and easy-to-operate solution for tie stalls of any configuration

Clear and concise tie stall monitoring for "Real Time" information.

Manage Your Cow-Side Information



"Both of our barns have AIC units. We have used AIC products for six years and would not use anything else. I would not give up our Freedom Compaks for anything, they are that reliable! We love and rely on milk weight and milk temperature. The AIC units alert us to any problems with health or production issues and give us time to take preventive measures. **We are well pleased and recommend the Freedom to every tie stall dairyman.**"

- Jason & Kim Bauer Dairys, Melrose, MN

First barn: 12 units, 165 cow tie stall. Second barn: 6 units, 45 cow tie stall
 Pictured (L-R): Owner Jason and daughter Olivia, and employee Randy

The highest level of tie stall automation

Why is the Smart Sensor so important?

The Espresso and Presto are AIC Waikato's Parlor detachers with monitors that use conductivity for real time milk sensing.

Our "Real Time" milk sensing instantly calculates milk flow rates and produces milk flow curves and flow rates on a graphic display or displayed as peak and average data — creating a precision tool for determining "Perfect Milking".

AIC Waikato's real time milk flow sensing provides the best solution for flexible and consistent end-of-milking detach. Unlike using resistance for milk sensing that is exceedingly difficult to keep accurately adjusted and consistent in the parlor, or fill and dump milk metering devices that react slowly in between dumps; AIC Waikato's real time milk sensing instantly calculates end-of-milking flow, reducing strip times and milking stress.

In addition to AIC Waikato's real time sensing providing the path to achieving "Perfect Milking", our sensor incorporates exclusive "CT-Logic" (Critical Temperature Logic) for animal health and herd temperature management.

Milk conductivity is also measured as a means of recognizing changes in milk quality due to natural reactions in the animal's immune system.

More outstanding features of AIC Waikato's Exclusive Milk Sensing:

- No Moving Parts
- No Regular Maintenance
- Small Easy to Install
- Minimal Vacuum Drop
- Easy to Clean
- Wash Temperature Monitoring



Adjusted Power Detacher Motor



- Compact, rugged stainless steel construction
- Eliminates vacuum drops during detaching for healthier milking
- Needs no vacuum to retract, decreasing vacuum pump size requirements
- A lighter, compact design (15.5x4.5") for ease of handling
- A 6-foot cord allows for flexibility of installation
- Full-retract and auto-lock keeps the claw close to the detacher, reducing labor

Tracker Air™

Wireless communication from our Espresso detacher running Tracker Elite Software

- Accumulates, stores and summarizes data
- Single wired connection to the farm network
- Data available on local Wi-Fi
- Provides communication to third party dairy management software

