

COLOSTRUM MANAGEMENT SYSTEM



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People, Protocols, Profits

To be the first person who welcomes a newborn into this world is a privilege, which carries great responsibility. As stewards, farmers have been passing their values and knowledge from generation to generation, but the growth of the dairies and increase in their workforce puts a strain on consistency. Clearly designed protocols support employees, assure animal welfare and ultimately increase profits.

People

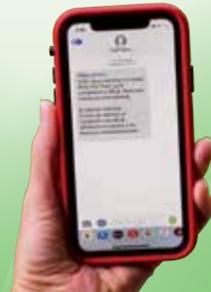
The most important asset of any dairy are people. Golden Calf Company understands that colostrum management is not just about calves, it is first and foremost about the people who take care of the calves.

That is why we have developed a system of tools and technologies, that make the calf manager's job easier.

From simple protocols and ergonomic backpacks to convenient text messages, we have truly thought of everything to assure that the maternity workers aren't tired or frustrated. Their good attitude reflects in kinder and gentler treatment of their calves.

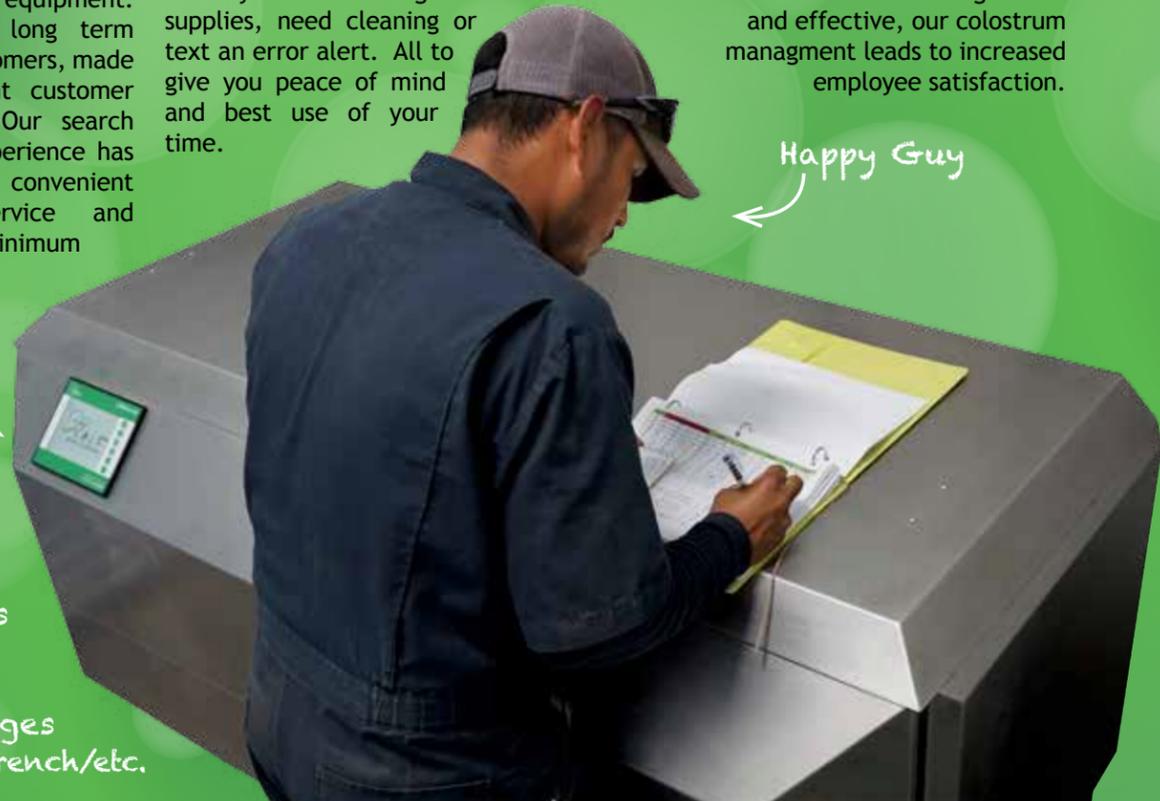
Our commitment to agriculture goes beyond the sale of the equipment. We pride ourselves on long term relationships with our customers, made possible by our excellent customer service and innovation. Our search for a better customer experience has resulted in offering more convenient internet controlled service and diagnosis, assuring minimum down time, a service that is free to all Calf Hero™ customers.

- Touch Screen
- ✓ View history
 - ✓ Order supplies
 - ✓ Setup reminders
 - ✓ View troubleshooting guide
 - ✓ Multiple languages English/Spanish/French/etc.



Texting & Reminders

The Calf Hero™ text messages are more than a simple convenience, they allow maternity workers to focus on other tasks while colostrum is processing, yet be on time, when colostrum is ready to be fed or stored, ensuring that colostrum quality is not jeopardized. Texting is available to multiple phone numbers depending on responsibilities. This SMART machine can remind you when you are running low on supplies, need cleaning or text an error alert. All to give you peace of mind and best use of your time.



Happy Guy

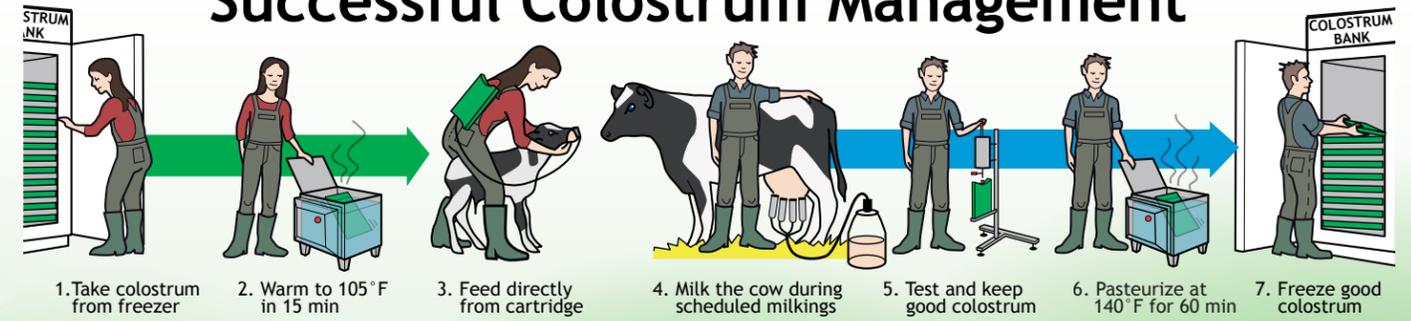
Protocols

Only protocols that lead a calf manager through the correct steps of caring for a newborn assure each animal will be cared for as if it is the only calf that day. Golden Calf Company's system of colostrum management excels in the reinforcement of correct protocols by providing the right training and tools. Each Calf Hero™ system is equipped with text messaging, audible alarm, and a visual alarm/stack light for the end of each cycle, so that your newborn calves are always fed on time.

Our clear protocols offer no shortcuts and by design limit the number of potential problems. Data logging assures compliance verification.

Paired with tools that are ergonomic and effective, our colostrum management leads to increased employee satisfaction.

Successful Colostrum Management



"Within a few weeks after implementing the system, I noticed reduced incidences of first week scours in my newborn calves. The calves are doing so well, the system paid for itself quick."
-Deric L. (WI)

Great product
"This system is fool proof and I am a firm believer the system works."
-Josh F. (MI)

Great company
"We have been customers for over 5 years and are very happy with the people, the company, and the products"
- Blaine B. (MI)

Profits

As any investment, a colostrum management system is only worth its money if it works properly and delivers the desired results.

It is well known that proper colostrum feeding not only increases milk production, but also reduces money spent on animal treatments and supplements. Getting all steps done right isn't easy, especially with multiple people responsible for the calving area. That's where our system delivers the fastest possible process, predictability and features that allow you to stay in control, saving you resources otherwise spent in treating calves and employee management.

Our track record also shows superior reliability and durability. As a matter of fact, we continue to guarantee that we will grow with your dairy - when you are ready to upgrade your unit, we promise to buy your old one back.

Colostrum Activity Log

All pasteurizer units record data logs, that can be emailed or downloaded for analysis, to assure safe processing of colostrum and accountability of employees.

Both hands free to work with the calf

Ability to quickly switch between tube and nipple feeder

Know what you are feeding with clearly labeled cartridges



Healthy Calf





Calf Hero™ units

Calf Hero™ 12 and Calf Hero™ 6: The newest units capable of thawing and pasteurizing twelve and six meals of colostrum respectively. With built-in SMART technology, the Calf Hero™ can text and email its users to announce that a cycle is complete and much more. Operation is simple with a large touch screen and multi-lingual instructions.

Flexibility

The Calf Hero™ product line is built with durable, oversized parts, and the ability to switch between “Pasteurize to feed” and “Pasteurize to store” mid-cycle make it strong and flexible enough to easily handle the largest of dairies.

SMART Technology

This unit makes maintenance easy and ensures minimal downtime. It is Internet ready. Its easy-to-operate touch screen offers controls in multiple languages with the press of one button. Cleaning is easy with reminders and automatic cycles for light, medium, and heavy cleaning.

Data Logs

History of past cycles can be easily viewed with a touch of a button or emailed to assure protocol compliance.

Security

Password protected user levels improve process control. Managers gain access to history of the pasteurizer cycles, while a calf feeder's access is limited to the daily tasks of pasteurizing and thawing. It eliminates user-caused errors and allows for stricter adherence to the dairy's colostrum management protocols.

Colostrum Bag

This sterile bag can hold up to one gallon, the correct quantity for a first feeding. The bag is kept inside a unique green cartridge, which enables easy freezing, storing, pasteurizing, thawing, and feeding. By using the combination of bag and cartridge, this system offers predictability and unprecedented speed for cooling and warming.

Cartridge



The Cartridge

Our proprietary cartridge is essential to the safety of colostrum. It makes the handling of colostrum bags easy and clean. It simplifies storage and visually identifies current colostrum levels in the freezer bank without having to open and compromise colostrum quality.

The entire design facilitates rapid cool down and fast warm up by combining thin profile and large surface with specially designed channels extending the life of colostrum.

Motion Aided Heat Transfer

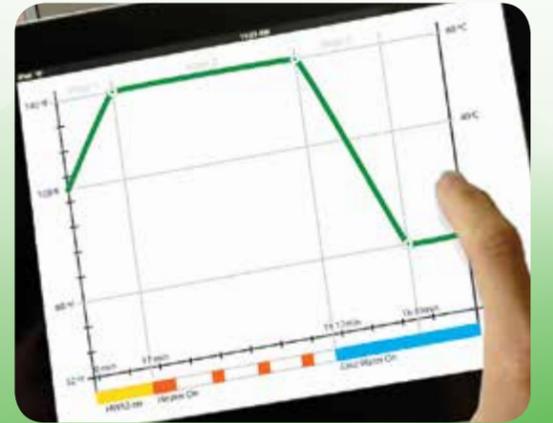
The uncontested speed with which our units are able to thaw and cool colostrum is due to the combination of the cartridge and the motion inside the tank, which forces the water over the entire surface of the colostrum bag and stirs the colostrum on the inside unlike other systems that only move water around the bag.

ColoQuick units



Warm up

Warming colostrum up to the pasteurizing temperature is a very important step. It should be quick and use as little energy as possible. The faster colostrum passes through the danger zone of rapid bacterial growth, the more effective the pasteurizing stage can be. Our units offer hot water assist (HWAS), saving you time, money and energy, and ensure fast warm up time.



Pasteurizing

University research shows that the optimal time/temperature ratio which protects the Immunoglobulins, but eliminates the highest number of bacteria, is 140°F (60°C) for 60 minutes. All of our pasteurizers use multiple high precision sensors to ensure that the temperature is reached quickly and maintained properly.

Cool Down

Rapid cool down at the end of a pasteurizing cycle is critical to protecting colostrum quality. Both Calf Hero™ and ColoQuick units feature a cooling system that takes advantage of the thermal properties of water, naturally accelerating the cool down phase.

Stack Light Audio and Visual Alarm

Farm-tough oversized parts

SMART machine
✓ Self-diagnosing
✓ Internet service and repairs

Real stainless steel, built in Wisconsin



Calf Hero™ 12

Capacity: 12 meals
DxWxH: 33"x 66"x 34"
Elec: single phase (208-240V, 277V)
three phase (208-240V, 277V, 480V)



Calf Hero™ 6

Capacity: 6 meals
DxWxH: 33"x 40"x 34"
Elec: single phase (208-240V, 277V)
three phase (208-240V, 277V, 480V)

Hot Water Assist

Maxx 4

Capacity: 4 meals
DxWxH: 30"x 27.5"x 34"
Electrical: single phase (208-240V)
three phase (208-240V)

Multiple temp sensors

Pasteur2

Capacity: 2 meals
DxWxH: 27"x 20.5"x 29"
Electrical: single phase (208-240V)

15 minutes to feeding

Motion aided heat transfer

Thaw

Capacity: 2 meals
DxWxH: 27"x 20.5"x 29"
Electrical: single phase (208-240V)

	Capacity (# meals)	Thaw Cycle	Pasteurize to Feed	Pasteurize to Freeze	Plumbing Required	Hot Water Assist System (HWAS)	Download history of Data Logs	History of Cycles Viewed on Screen	Errors History	Cycle End Alarm	External Audible and Visual Alarm	Email Alerts	Text Message Alerts	Touch Screen	Multi-lingual Eng/Span/Fren
Calf Hero™ 12	12	✓	✓	✓	✓	✓	10,000	200	50	✓	✓	✓	✓	✓	✓
Calf Hero™ 6	6	✓	✓	✓	✓	✓	10,000	200	50	✓	✓	✓	✓	✓	✓
Maxx 4	4	✓	✓	✓	✓	✓	20	20	10	✱	✱				
Pasteur 2	2	✓	✓	✓	✓		20	20	10						
Thaw	2	✓													

✓ standard feature ✱ optional feature

Care and Environment

Farmers are stewards of the land and animals and while many things are out of their control, choosing the right tools is not. The first step in getting ahead of unforeseen events is equipping the maternity area with tools that work quickly, reliably, and are safe and easy to use



Care

It is our goal to help each farm advance their animal care. We are proud to say that our colostrum management system complies with the FARM 4.0 animal welfare farming practices.



Environment

The colostrum management system is an ideal tool for an organic dairy. It requires no additives for the preservation of colostrum.

Collecting farm's own colostrum assures that only proper organic colostrum is used to pass on natural herd immunity to the next generation. Thanks to easy storage and clear labeling, each farm can maximize the use of their own colostrum whether it is for newborn calves or used as a booster for sick calf treatments.

The Golden Calf Company colostrum management system enables a holistic approach to your newborn feeding.



Each system offers easy to use accessories

- Colostrum Bags
- Reusable Cartridges
- Stainless Tube Feeder
- Brush Cleaning Kit
- Calf Tube Hanger
- Colostrum Bank™ Freezer
- Full Size Stainless Filling Station
- Insulated Feeding Backpack
- Stainless Nipple Feeder
- Reusable connectors



Fill Station

This rugged stainless steel filling station is a part of every system. It can be mounted on a wall or stand alone on the floor. Easy to clean. Inside scale indicates volume up to one gallon.



Tube Feeder and Nipple Feeder

are easy to change while feeding. The tube feeder handle opens for easy cleaning. Stainless steel is resistant to scuffing; protecting the calf. Each system also includes a nipple feeder.

Calf Tube Hanger Brush Cleaning Kit

Mounted on a wall or attached to the strap of the backpack, the hanger provides the cleanest method for storing calf tube or brush kit. Long handled brush simplifies cleaning.

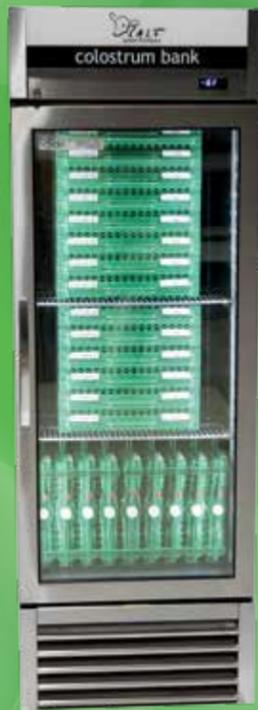


Insulated Backpack

Comfortable backpack holds the cartridge during feeding. Made with the Thinsulate™ insulation, it keeps colostrum at the perfect temperature year round.

Colostrum Bank™

Chill colostrum quicker to prevent bacterial growth by moving cold air between cartridges with this high capacity turbo fan freezer. LCD screen displays current temperature. Electrical: 115 V AC/60 Hz/15A
DxWxH: 29.5" x 27" x 78.25"
Capacity: 35 cartridges



Stewardship and Continuous Improvement

All of our units are built of highest quality stainless steel designed to last a lifetime. As dairies grow and need larger equipment, we continue our commitment to purchase their units back. We upcycle these units and offer them to smaller dairies for reduced price to empower their growth.

We firmly believe in delivering not only product but also information. Each of our systems is delivered together with an onboarding training, which allows us to work closely with the dairy to design protocols that work for their environment.

All of our systems come with a set of high quality tools that are reusable, easy to clean and long-lasting. We designed these tools to be the most ergonomic and easy to use for all employees.

Continuous Improvement

The business of dairy farming is complex and requires attention to detail and commitment to continuous improvement. By measuring your daily activities, you can set benchmarks for what's average for your dairy, outline goals and try to improve your performance.

The culture of continuous improvement is only possible with increased accountability and we are happy to bring you tools that empower each of your employees to do a better job, making it possible for you to never stop trying to get more out of your colostrum.

Refractometers

One such tool is the refractometer. Use it three ways. First, to test colostrum and allocate the highest quality to your replacement heifers. Second, use it to verify that the transfer of passive immunity, Blood Serum Total Protein (BSTP), was successful and that your protocols are working. Finally, test your calf milk to measure the percentage of solids and use a milk balancer to offer the same level of nutrition each and every day.



Dip here

Digital Dip Style Refractometer

Whatever your needs are, this Digital Dip Style refractometer will give you consistent and accurate results immediately after collection in just three seconds.

The easy to read screen holds results for two minutes allowing you plenty of time to take notes.

By dipping the refractometer into the liquid instead of sampling, we obtain a much more accurate reading. The flat surface is easy to clean in between samples, eliminating residue that could distort the next reading.

Easy to use with calibration only a push of a button away, this refractometer is accompanied by a handy step by step guide in English and Spanish.



Drip here

Hygiene Testing

A second of testing gives big payback.

Snap Test

Swab, Snap, and Squeeze are the only steps you will take before the colored identification tube gives you an indication of the quality of your cleaning. The pre-moistened swab test only takes one minute and does not require any other tools. Monitoring cleanliness of your surfaces is now quick and easy, helping you prevent calf health issues.

Luminometer and ATP

Easy to use and unbiased testing tool for monitoring cleanliness. It only takes 15 seconds to have an accurate reading. Simply swab your surface with the ATP swab and plug into the luminometer for a reading. The ATP swab breaks through the Bio-Film to ensure the most accurate results. Knowing that your cleaning protocols work well is essential for your success.

Digital pH Meter

An often overlooked tool, the pH Meter provides valuable information. Independent of temperature, this highly accurate tester assures correct acidity in acidified milk feeders. When used with calf milk it can determine the available protein allowing you to adjust for calves' nutritional needs. Urine pH is easy to measure.

Optical Refractometer

This low cost refractometer is a good entry level option. No battery is required for its operation. The smooth surface allows for easy cleaning. Simply look inside and use the scale to read your results.





Protection and Prevention

The Calf Wear calf jackets have been developed in Wisconsin with the experience of many cold winters. You will find them ruggedly designed, durably crafted and perfectly form fitting.



Small = red
Large = black
Extra Large = green

Three Sizes

Color coded sizes make it easy to find the right size when you are in a hurry.

Adjustable Straps

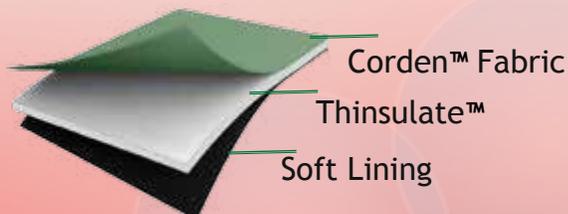
Each Calf Wear jacket has two adjustable straps that reach from the calf's belly to its hind legs to prevent irritating the navel. Straps are fully removable for easy washing and longer lasting jacket.

Contoured Back

Calf Jackets are designed with a contoured back to limit staining and to prevent soiling. Contoured back also allows for better mobility of the calf.

Front Closure

The Calf Wear jackets, unlike most others, do not include any Velcro. This prevents debris from getting caught and stuck to the jacket. It also eliminates a weak point of most calf jacket designs.



Construction

The calf jackets are made of three layers - water repellent Corden™ fabric protects a layer of moisture wicking Thinsulate™ which is supported by a soft and comfortable lining.

Chest Strap

Small calf jackets are available with an innovative chest strap. This short strap provides added retention without the risk of navel irritation associated with the traditional belly strap.



Made in Wisconsin

We produce our calf jackets right here in Wisconsin. We know what a tough winter looks like and how it can affect a little calf. All our experience went into developing a high quality calf jacket that is designed to withstand the coldest temperatures.

UV Thread

The Calf Wear calf jackets are produced with a unique UV thread. The thread goes through a specially formulated process that ensures durability and strength where thread is exposed to UV sunlight radiation and acidic materials to create a longer lasting jacket.

