

A TechForAg 'Ready-To-Milk' Modular Parlor

Model: Dbl. 10 DeLaval Cascade Parallel - 27" - Remanufactured

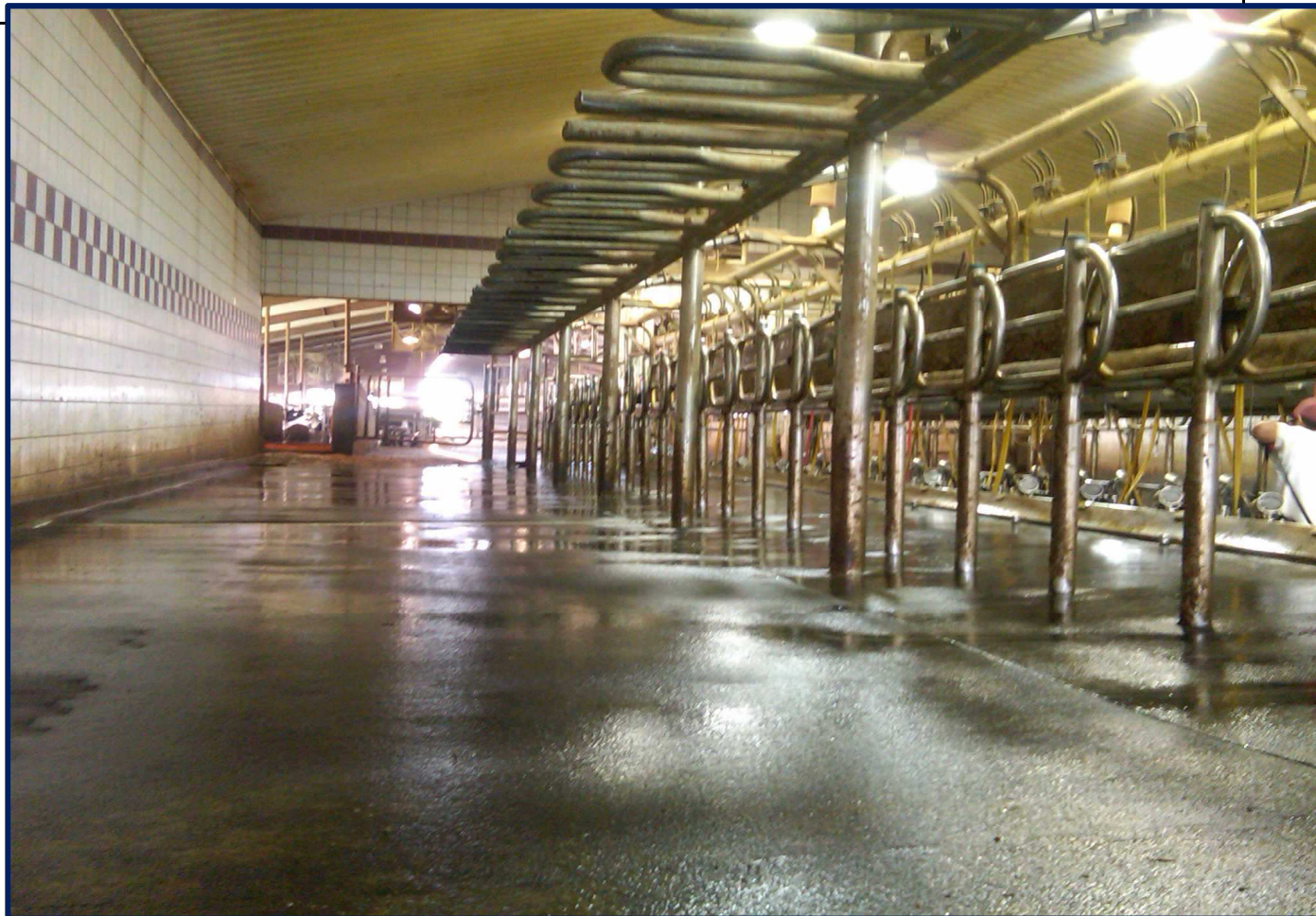
Key Features: Rapid Exit - Automatic Indexing

Preliminary Proposal For: Website # 184



DeLaval Dbl. 30 Parallel installed near Green Bay

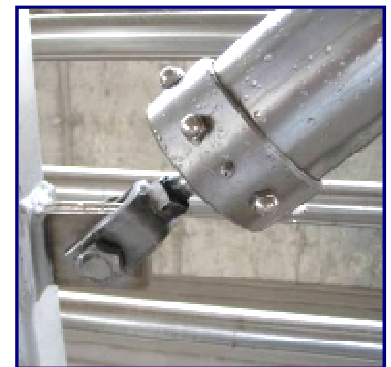
<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
20	Stalls	<p align="center">DeLaval 'Cascade' Parallel</p> <ul style="list-style-type: none"> - Stainless RumpRails/Butt Plates w/Gutter; 27" spacing - New! - Rapid Exit Front End - galvanized - Remanufactured - Auto-Indexing 			<p align="right">\$ 28,257</p>



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	<p align="center">Automated Cow Traffic Controls</p> <ul style="list-style-type: none"> - (2) 3" Back-to-Back Cylinders for Indexing & Rapid Exit - (2) 3" x 10" stainless Cylinders for Entrance Gates - Multiple Control Stations in Milking Pit to reduce walking 			<i>Included in Cost of Stalls</i>
20	Stalls	11 ga Stainless Curbing (but <i>no</i> Gutters or Grates) - New!			\$ 2,121

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Units	Fold-Up CIP Cup Holders - Remanufactured (Same as ProTime I, but manually operated)			\$ -
20	Units	Traditional CIP Cup Holders - Remanufactured (Slide Rubber Cups into a stainless Rack)			\$ 1,114

<i>Qty</i>	<i>Units</i>	<i>Description</i>	<i>Cost to End-user</i>
1	22ft x 60 ft	Original Germania Heavy Duty All-Air Operated Crowd Gate Remanufactured	\$ 14,286
128	ft	C-4 x 6.5 lbs Crowd Gate Channel	\$ 1,463

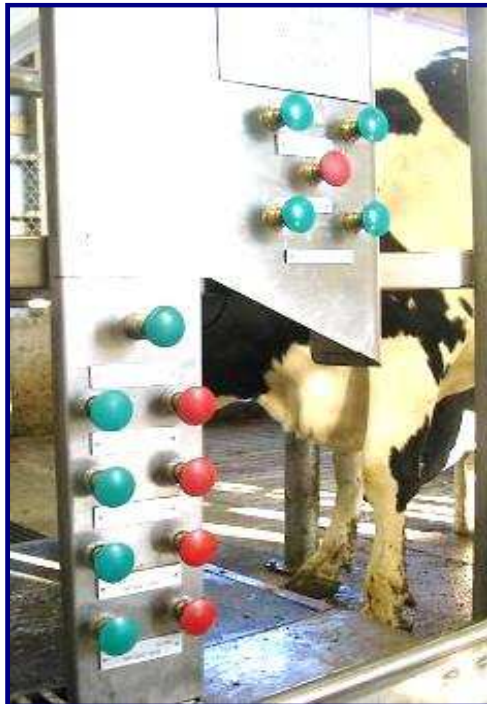


HERITAGE Gate with Manure Scraper shown

Heavy Duty, Germania-Style Crowd Gate; Air-Powered Gear Motor - no electric controls what-so-ever. Lifts anywhere in Holding Pen

**For more information go to
www.techforag.com/WhyCrowdGates**

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	ft	<p>Holding Pen Fence, galvanized</p> <p>with 3" verticals @ 5 ft on center per 20 ft section of fence; (4) 1 1/2" Pipe Horizontals @ 12" o/c</p> <p>Normally, your Contractor provides the Holding Pen Fences. We'll provide them if he doesn't want to or can't @ \$74/ft les</p>			\$ -
0	ft	<p>2 x 10 ft V-Lane Fences from H.P. into Parlor...</p> <p>@ \$74/ft less 15%</p>			\$ -
		<p><i>Three Crowd Gate Control Stations:</i></p>			Cost include with Crowd Gate



Left: Main Control station in back of parlor;

Center: Remote Controls in back of Holding Pen

Right: Two extra buttons in front of parlor to reduce walking

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
20	Units	Germania Model C No-ArmTakeOffs - Remanufactured All-Air controlled - All Stainless With Counter Weighted Hose Supports			\$ 21,571

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
20	Units	Original Germania Top Outlet Claw-Clusters - Remanuf'd with Airforks and 06 Shells but no Rubber			\$ 4,619
20	Units	Strangko Green & White Pulsators or Surge Black & Grey - your choice			\$ 2,143

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
20	Stalls	<p align="center">PVC Lines for the Pulsation System - New!</p> <ul style="list-style-type: none"> - 3" PVC Pulsation line with hoses, fittings & wiring harness - 3" PVC FreshAir line with fittings & hoses - (2) FreshAir Filters - 1 per side - (2) 3" PVC Cross-Overs in front & back <p>- Pulsators included with Claw-Clusters</p>			\$ 1,857
2	Units	<p align="center">16-Unit Excalibur Pulsation Controller - New!</p> <p><i>Electrician provides 120 volt receptacle nearby - bid separately!</i></p>			\$ 2,637



Qty	Units	Description			Cost to End-user
<p>HERITAGE CIP-Receiver Combination Group - New!</p>					
0	Stall Equiv.	This group combines the traditional Receiver Group and the CIP System into a single pre-assembled aggregate - pre-plumbed, pre-wired and			\$ -
		30" diam. x 24/34" Receiver - which is also the Wash Vat for the CIP Cycle			
		- AW-style Moisture Trap with 4" Vac inlet & 4" U-bend			
		'- (2) 4" x 33" Sock Milk Filters with 1 1/2" side outlet and (2) Butterfly Valves			
		- (2) 1 1/2 hp Milk Pumps			
		- (2) LLC Probes for milk and water levels			
		- 1 1/4" Input Group with hot and cold water valves + (3) chemical inputs			
		<i>Water supply lines to Omal valves should be at least 1" diameter. Otherwise takes too long to fill receiver</i>			
		<i>- 1 1/2" Ball check valve with air blow-out for rest milk</i>			
		'- HERITAGE C-12.5 Pipe Line Washer with (3) peristaltic chemical pumps			
		<i>Electrician supplies:</i>			
		- 220 Volt, <u> X </u> single phase to this Group			
		<i>Plumber supplies:</i>			
		- Hot & Cold water to the input group			
		- Cold Water to the Plate Cooler			
		<i>Includes Stand-by Milk Pump with pre-wired Twist-Lock Plugs</i>			
		<i>Also a Stand-by Variable Speed Controller, prewired as well</i>			
0	Unit	6,000 lbs/hr Dual Pass Plate Cooler			\$ -
		(Modify Group for AWs?)			Page 10 of 31

HERITAGE CIP-Receiver Combination Groups



Model 1500 installed at Steve Paul's new dairy Whitewater, WI. November 2009; Dbl. 10 PT-I Expandable to dbl. 16

For details on **HERITAGE** CIP Receiver Combination Groups got to
http://www.techforag.com/CIPReceiverGroup/CIP_Receiver_Group2010.pdf

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	<p>Traditional Receiver Group - Remanufactured 18" x 18" Receiver, Milk Pump with Dog House, 4" x 44" Filter, Moisture Trap & U-Bend, 1 1/2" Flapper Valve, LL Probes & Controller, Short Plug - Long Plug, Air Blow Valve, etc. <i>To be installed in the Milker Pit</i></p>			\$ 3,571



1	Group	<p>Automatic CIP System - Remanufactured (Use existing horizontal Wash Sink, but add sst cover), Water Level Sensor, 3/4" Hot & Cold Water Valve, C-125 PipeLine Washer, (3) Peristaltic pumps for chemicals, (1) Air Injector installed at the Receiver Groups 2" x 2" Divert/3-Way Valve at sink, Automatic Drains</p>			\$ 4,999
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<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
20	Stalls	<p align="center">3" Lo- Lines - New!</p> <p>Double slope, Single Loo, with nipples, fittings, all clamps, gaskets and brackets. Line slopes toward Holding Pen;</p>			\$ 4,045
20	Stalls	<p align="center">2" CIP Line - New!</p> <p>with nipples, fittings, all clamps, gaskets & brackets. - Both lines will be dead-ended at back of parlor <i>(Price quoted only for the (2) 10-Stall Legs, not to the receiver)</i></p>			\$ 4,024
0	ft	<p align="center">2" CIP Line Extension - New!</p> <p>from Parlor, thru attic and to a 2nd port of Balance Tank/Vertical Wash Sink</p>			\$ -
60	ft	<p align="center">1 1/2" Discharge line</p> <p>from new Receiver Group, connecting to the existing discharge line.</p>			\$ 2,914

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	<p align="center">Compressed Air System</p> <p>- (1) 7.5 hp SpeedAir Compressor - Remanufactured - With Twin Tower Drier, dries air to minus 10 dgr - New!</p>			\$ 3,688
1	Group	<p align="center">Filters, Electric Drains, 80 gl separate Tank, etc. - New!</p>			\$ 2,418
		<i>Electrician provides 220V to this group ___single or ___3 Phase?</i>			



7.5 hp Speedair Compressors



Twin Tower Drier dries air to minus 10 dgr

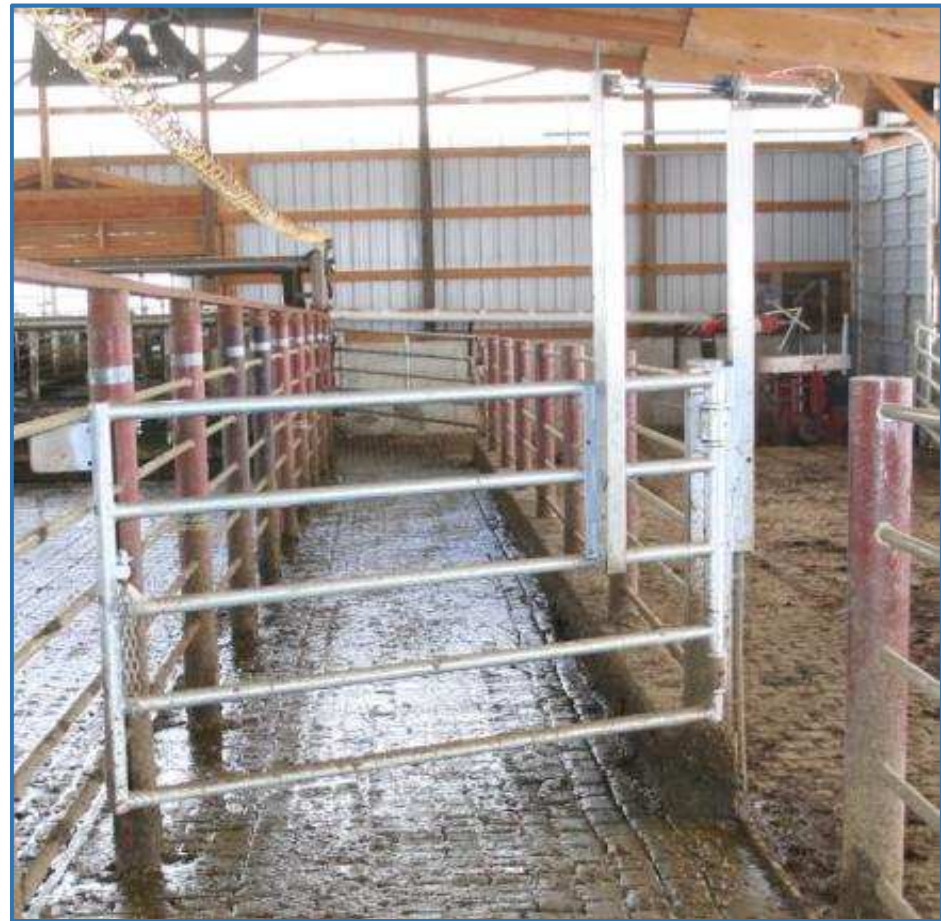
<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Unit	10 hp SutorBuilt 5H Vacuum Pump - Remanufactured			\$ 1,950
0	Unit	Frequency Controller/Variable Speed Drive - New!			\$ -
1	Group	<i>4" PVC Header Lines with 3" lines to Pulsation and Receiver Group; Also includes Pre-Filter, Check Valve, Test Port, Safety Valve, Slide Valve, Drains.</i>			\$ 1,214
1	Unit	Sentinel Model 150 Vacuum Regulator - Remanufactured			\$ 143



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	sqft	Stainless Covering for Pit Wall and/or Parlor Walls 4 ft x 10 ft x 16 ga sheets, # 4 polish			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Units	<p>4 ft x 4 ft stainless Divert Gate Built from 2 1/2 x 2 1/2 x 11 ga square tubing Divert exiting cows into a catch pen.</p>			\$ -
0	Group	<p>Cylinders for the Divert Gates</p> <p>3" x 14" Stainless cylinders w/EV-125 Quick Exhaust Valves (4) Versa 'Open' & 'Close' Push Buttons</p>			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
		On-Farm Spare Parts Kit (Contains only new parts)			
1	Group	Includes all essential parts for at least (1) year of operation (6) sensors, (4) retract cylinder, at least (4) of each air valves, an extra Liquid Level Control board, seal kits for the milk pump, etc.			\$ 4,500



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Pcs	Double Compartment Sink - use existing?			\$ 643
1	Group	Accessories Group Hand Wash Sink, Filter Sock Holder with (1) box of Filters, SST paper towel holder, SST soap dispenser, etc.			\$ 593



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	(1) 10 ft long 1" Wash-Down Hose for the pit with original Brass Fire-Hose Nozzles			\$ 345
2	Group	(2) 25 ft long 1" Wash-Down Hose for the Cow Platforms with original Brass Fire-Hose Nozzles			\$ 1,071
0	Units	Air-Powered, all-stainless Hose Reel for the (3) Wash-Down Hoses			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	sqft	Pit Mats for the Milkers			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	sqft	<p>Adjustable Pit Floor ...adjusts floor height by 8" up or down</p> <p><i>Floors raises and lowers by air pressure</i> <i>no motors, no switches</i> <i>Cost - about \$55/sqft</i></p>			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Unit	<p style="text-align: center;">Stainless Pit Steps - New! from parlor into Holding Pen; 4 steps, 36" wide, 8" riser with SST Handrail .</p>		\$	964



<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
4	Sets	<p>Lights for the Milker Pit - <i>New!</i> Basically a set of (2) stainless brackets to mount Fluorescent Light Fixtures in the overhead Channel</p>		\$ 274
		<i>8 ft Fluorescent Light Fixtures must be vapor tight and 100% corrosion resistant</i>		
		<p><i>We install the brackets on site;</i> <i>Electrician supplies and installs the fixtures</i></p>		
		<i>This parlor needs (3) 8 ft fixtures per side</i>		



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Units	<p align="center">AccuWeigh Milk Measuring System Remanufactured (Change Low-Line and Receiver Group!)</p>			\$ -



		<p align="center">Germania Accuweigh 90 or 65</p> <ul style="list-style-type: none"> - Hold all of the milk for quick check before letting the cows go - Drain and re-vacuumize automatically when cows leave - Provide great vacuum reserve right next to the cow 			
0	Group	<p align="center">AW Control Boxes Turbo Controller, _____ Extra VacShutOff Valves, etc.</p>			\$ -
0	Units	<p align="center">Butter Fat Testers</p>			\$ -

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Unit	Stainless Breezeway Fences with 3ft 'Side Wing'			\$ -



0	ft	Stainless Cap for Breezeway Wall			\$ -
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<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Stalls	1" Kraiburn Rubber Mats (Made in Germany) For the Cow Platforms			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
2	Units	<p>Modular Platforms for 10 stalls each</p> <p><i>Stainless</i></p> <p>The structural bases of the Modules; Height of your concrete cow platform should be 34" - if you are comfortable with a 38" working height - To be discussed!</p>		\$ 4,286



We build our parlor modules on platforms, a frame work made form 2" x 4" stainless tubing and usually 53" wide x 50 ft long for the typical dbl. 12. Normally, we slide the Modules into place on this steel frame work, pushed by a Skid Loader.

Summary Page

		Sub-Total Materials			\$ 121,711
		Less: 15% Dairy Direct Discount (no Dealer)			\$ (18,257)
		Cost of Materials after DDD			\$ 103,455
		Pre-Installation Labor and Supplies provided by TechForAg at it's factory to convert the above materials into a <i>Ready-To-Milk</i> Modular Parlor; Calculated at 14% of Cost of Materials			\$ 17,040
1	53 ft Truck	Estimated Freight for (2)10-stall Modules, xyz miles @ \$3.65			\$ 1,000
		On-Site Installation Labor, Supplies & Expenses Covers several items:			
		1. Time for (2) Installers for (15) Days @ 12 hrs @ \$65/hr			\$ 23,400
		(Cost of Installation quoted for State of Wisconsin only)			
		2. Time value of Installers while travelling: (3) Trips from RHI to Plymouth @ 3 x 3.5 hrs x 3 @ \$35/hr			
		3. Travel Expenses: (3) Plane tickets + local transportation +Motels + Meals & Misc.			\$ -
		4. Visits to dairy for Planning & General Consultation by Rolf, Quality Control and Training			\$ -
		5. Rebate to Customer of \$1,000 for prompt payment of last installment			
		6. Warranty work & follow-up visits			
		Grand Total Parlor with Freight & Installation			\$ 144,894
		Per Stall			\$ 7,245
					Page 29 of 31

Terms - I

If production at TFA starts several months in the future

- 1) 15% down at signing of contract**
- 2) 25% on start of production**
- 3) 55% on delivery of parlor to the dairy**
- 4) 5% On start-up of milking**
- 5) \$1,000 Rebate for prompt payment**

Terms - II

If production at TFA starts more or less immediately

- 1) 35% at signing of contract, plus**
- 2) 60% on delivery of parlor to the dairy**
- 3) 5% on Start-up of Milking**
- 4) \$1,000 Rebate for prompt payment**

Please Note

**18 Months warranty on all materials. Does not apply to the Compressed Air Group and the Vacuum Group, for which we pass on the manufacturer's warranty
Warranty starts *after* parlor has been paid for in full**