

A TechForAg 'Ready-To-Milk' Modular Parlor

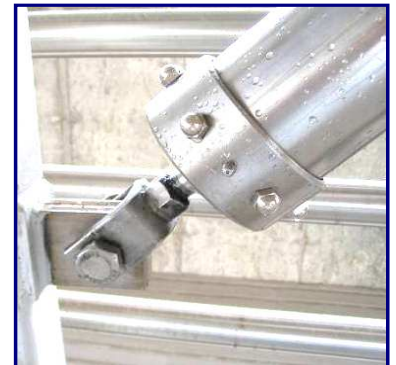
Model: Dbl. 12 Blue Diamond Olympic HerringBone (Quantum)

Key Features: Rapid Exit - Automatic Indexing - Galvanized

Prepared For: Website # 142 - Preliminary Proposal # 122112-2

<i>Qty</i>	<i>Units</i>	<i>Description</i>	<i>Cost to End-user</i>
24	Stalls	<p style="text-align: center;">Blue Diamond - Rapid Exit</p> <ul style="list-style-type: none"> - All galv. RumpRails; 45" spacing - Stainless Splash Shields - (6) Support posts per side - <i>Rapid Exit</i> Front end 	\$ 17,143
<i>Modules to be 53" wide with 10" Indexing System to accommodate 1,800 lbs + Cows</i>			
2	Groups	<p style="text-align: center;">Automated Cow Traffic Controls - New!</p> <ul style="list-style-type: none"> - (1) Main Control Stations with (8) Buttons each - (1) Remote Control Boxes with (8) buttons each 	\$ 7,557
24	Stalls	<p style="text-align: center;">Gutter and Curb - New</p> <p><i>All Stainless;</i> All-in-One Welded Structure integrated into the module base</p>	\$ 8,839
24	Units	<p style="text-align: center;">Original Germania Grates - Remanufactured and welded into the stainless Gutter - Cold galvanized</p>	\$ 1,029
24	Units	<p style="text-align: center;">Traditional CIP Cup Holders - Remanuf'd</p>	\$ 617
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<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
1	25 ft x 80 ft	HERITAGE - New! Heavy Duty All-Air Operated Crowd Gate		\$ 19,767
0	ft	C-4 x 6.5 lbs Crowd Gate Channel - New! Welds very straight over 5 ft Span/Distance between Vertical Posts - Does not require any other re-enforcement or support		\$ -

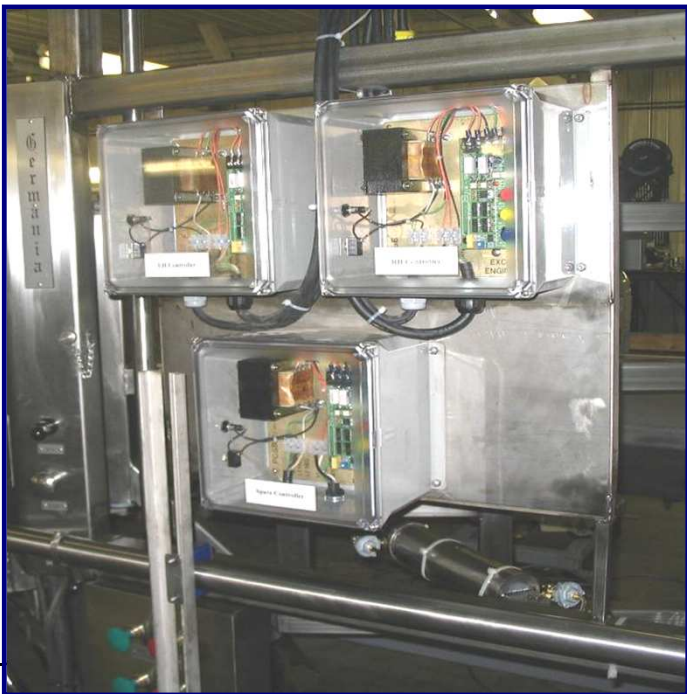


Heavy Duty, Germania-Style Crowd Gate; Air-Powered Gear Motor - no electric controls what-so-ever. Lifts anywhere in Holding Pen and returns overhead cows to rear of pen. Air Motor shuts off automatically, both on front and back

Manure Scraper optionally available. Can also be added later!

Heritage Gates up to 29 ft wide come with 4" easy-to-service all-stainless cylinders


<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
24	Units	<p align="center">Model B Arm TakeOffs - Remanufactured All-Air controlled, hot dipped galvanized</p>			<p align="right">\$ 37,543</p>
24	Units	<p align="center">Original Germania Top Outlet Claw-Clusters -</p> <ul style="list-style-type: none"> - Air Forks - 06 Shells - 60" Milk Hose - 108" Pulsation Hose - Short air tubes - Liners of your choice: <i>Brand & Model</i> _____ - with BouMatic-Style Pulsators - Remanufactured 			<p align="right">\$ 10,482</p>
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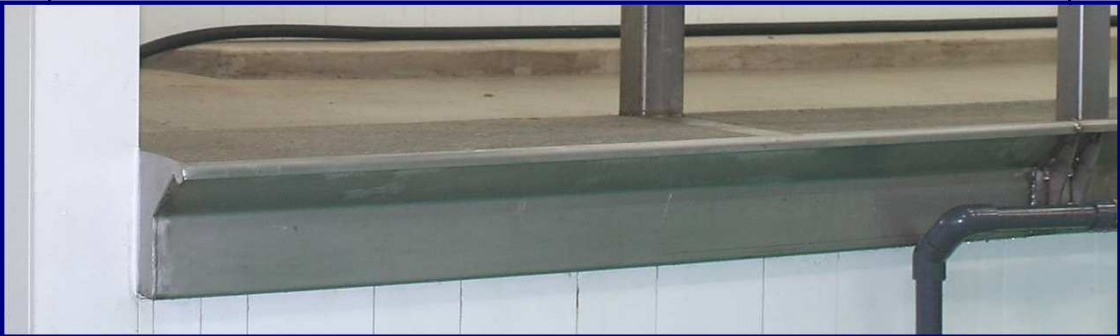
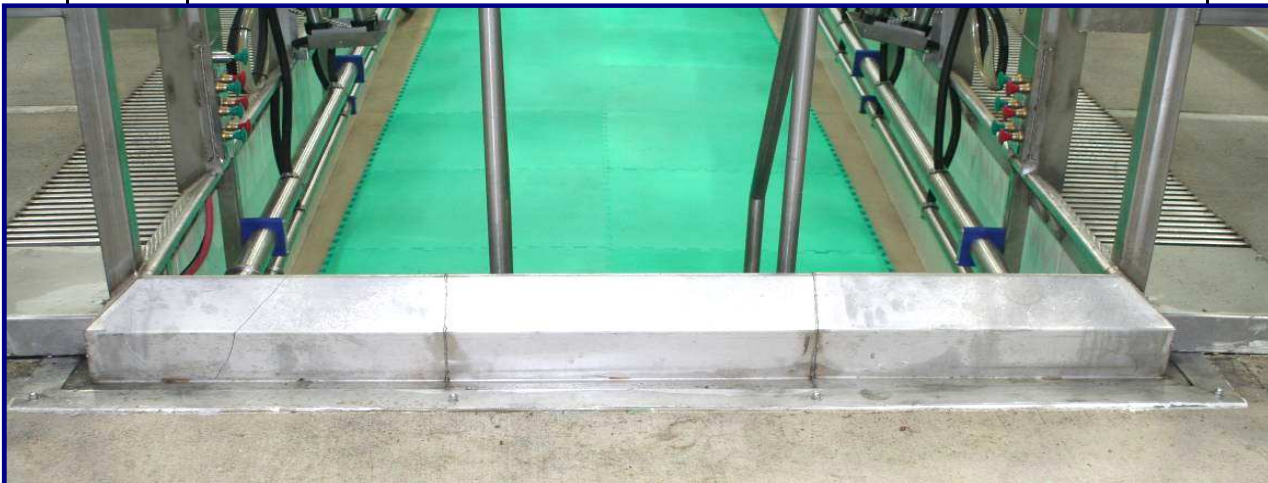

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
24	Stalls	<p align="center">Pulsation System - New!</p> <ul style="list-style-type: none"> - 3" PVC Pulsation line with hoses, fittings & wiring harness - 3" PVC FreshAir line with fittings & hoses - (4) FreshAir Filters - 3" PVC Cross-Over in front & back to be supplied locally 			\$ 1,886
3	Units	<p align="center">16-Unit Pulsation Controllers (Excalibur) - New!</p> <p><i>Controllers will be installed as part of Modules - Electrician provides 120 volt receptacle nearby - bid separately!</i></p>			\$ 2,893
		<p><i>3rd Controller prewired with plugs for instant change-over. No tools required.</i></p>			
					

HERITAGE



CIP-Receiver Combination Group

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 palletized			\$ -
		26" diam. x 24/34" Receiver - which is also the Wash Vat for the CIP Cycle (Nominal Capacity of 80 gl. - Dbl. 10 estimated to use 45 or 55 gl/fill)			
		System uses very small amount of water for a dbl. 12 - therefore less detergent, less acid, less energy to heat the water, less waste water			
		- AW-style Moisture Trap with 3" Vacuum inlet & 3" U-bend			
		'- (1) 4" x 33" Sock Milk Filters with 1 1/2" side outlet - 1 1/2 hp Milk Pump - Variable Speed Controller for Milk Pump (Frequency Controller)			
		- (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 1/4" diameter - Receiver will fill in 60 to 75 seconds</i>			
		- 1 1/2" Ball check valve with air blow-out for rest milk			
		'- HERITAGE C-12.5 Pipe Line Washer with (3) peristaltic chemical pumps - All MAC Interface Valves and Relays			
		<i>Electrician supplies:</i> - 220 Volt, _____single or - _____three phase to this Group			
		<i>Plumber s upplies:</i> - Hot & Cold water to the input group - Cold Water to the Plate Cooler			
0	Unit	4,500 lbs/hr Dual Pass Plate Cooler			\$ -
		Stand-By Variable speed copntroller and Milk Pump			
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Qty	Units	Description			Cost to End-user
24	stalls	<p style="text-align: center;">3" Pipeline - Remanufactured</p> <p>Single Loop, double slope Lo-line, with nipples, fittings, all clamps, gaskets and brackets.</p>			\$ 2,571
					
24	Stalls	<p style="text-align: center;">(2) 2" CIP Line - New!</p> <p>- with nipples, fittings, all clamps, gaskets & brackets - From Vertical Wash Sink to each side of parlor to dead end</p>			\$ 1,886
80	ft	<p style="text-align: center;">2" Discharge line - New</p> <p>from Receiver Group to Milk Tank (Bottom Loading) and to CIP Tank</p>			\$ 1,714
1	Unit	<p style="text-align: center;">Safety Switch at Milk Tank - New!</p> <p>Heritage washer will not go to Wash Mode unless discharge line is disconnected from Tank</p>			Page 7 of 16 \$ 513


<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
		(2) 66" Stainless Curb Extensions in Front - <i>New!</i>		
11	ft	from Exit Gate to Breezeway Wall. Prevents manure from running into the pit; Includes concrete guard. These will be a permanent part of the parlor.		\$ 471
				
0	ft	(2) 15-ft Light-Duty Curb Extensions (These will become obsolete when you expand to dbl. 16)		\$ -
0	ft	(2) 8 ft Temporary Fences to keep cows from wandering around the front of the parlor		\$ -
0	ft	<i>New Feature in 2009</i> Stainless Curbing - Parlor-Pit to Holding Pen		\$ -
				
				

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	Group	Compressed Air System - New! - (1) 7.5 hp SpeedAir Compressor, 80 gl. Vertical Tank and Twin Tower Drier set to -10 dgr			\$ -
0	Group	10 hp Atlas Copco Screw Compressor with Twin Tower Drier and 80 gl stand-alone vertical Tank			\$ -
		<i>Electrician provides 220V to this group ___single or ___3 Phase?</i>			
1	Group	Small Air Prep Group, including Pre-Filter, Regulator, Coalescing Filter, Shut-off Valve, 1/2" Copper to all stations of parlor, etc.			\$ 1,214

Qty	Units	Description			Cost to End-user
1	Unit	<p align="center">10 Hp Vacuum System with Lobe-Style Pump - Remanufactured</p> <p>Sutor-Built Lobe-style Blower Pump</p>			\$ 12,571
		- Includes Frequency Controller/Variable Speed Drive - New!			
1	Group	<p align="center"><i>6" PVC Header Lines with 3" lines and fittings to Pulsation lines and Receiver Group, incl. Pre-Filter, Check Valve, Test Port; Safety Valve, Drains, etc.</i></p>			\$ 1,071
		<p align="center"><i>Electrician provides 220 volt single phase to this Group - Bid separately! ___single or ___3 phase?</i></p>			
				<p align="center">Customer provides own Stand-by Vacuum Pump</p> <p align="center">TechForAg moves this pump into Machine Room and provides 3" PVC to connect it into the 6" Header lines - included in price</p>	<p align="right">Page 10 of 16</p>

<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
1	Pcs	Double Compartment Sink - New!		\$ 643
1	Group	Accessories Group - New! Hand Wash Sink, Filter Sock Holder with (1) box of Filters, SST paper towel holder, SST soap dispenser, etc.		\$ 536
150	ft	(2) 60 ft long + (1) 30 ft long 1 1/4" Wash-Down Hose, New! with original Brass Fire-Hose Nozzles		\$ 1,393
0	Units	Air-Powered, all-stainless Hose Reel for the (3) Wash-Down Hoses		\$ -
0	squ ft	Pit Mats for 8 ft wide x 35 ft long pit floor Color of your choice - Blue or green		\$ -

Qty	Units	Description			Cost to End-user
					
0	Unit	<p align="center">Stainless Breezeway Fence with 3ft 'Side Wing'</p> <ul style="list-style-type: none"> - Made from Customer's 3" PipeLine Tubing - 8 ft + 3 ft long, with - (2) Horizontals and - (4) 3 ft Verticals 			\$ -
					
					

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
2	<i>Units</i>	<p align="center">Modular Platforms for 12 stalls each - <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.</p> <p>To be discussed!</p>			\$ 5,429
					
					
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Summary Page

		Sub-Total Materials			\$ 155,382
		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; <i>Calculated at 10% of Cost of Materials</i>			\$ 15,538
		Less 15% Dairy Direct Discount			\$ (23,307)
2	Trucks	Freight - @ \$750/truck			\$ 1,500
		On-Site Installation Labor, Supplies & Expenses Covers several items:			\$ 18,000
		1) Two Technicians time and expenses - Estimated at 10 working days			
		2) Misc. Installation Materials			
		Grand Total Parlor with Freight & Installation			\$ 167,113
		Cost per Individual Stall			\$ 6,963

