

A TechForAg 'Ready-To-Milk' Modular Parlor

Model: Dbl. 8 HERITAGE ProTime II HerringBone - 38"

*Key Features: Rapid Exit - Automatic Indexing - **All-Stainless** - AIC TakeOff Controls & Meters*

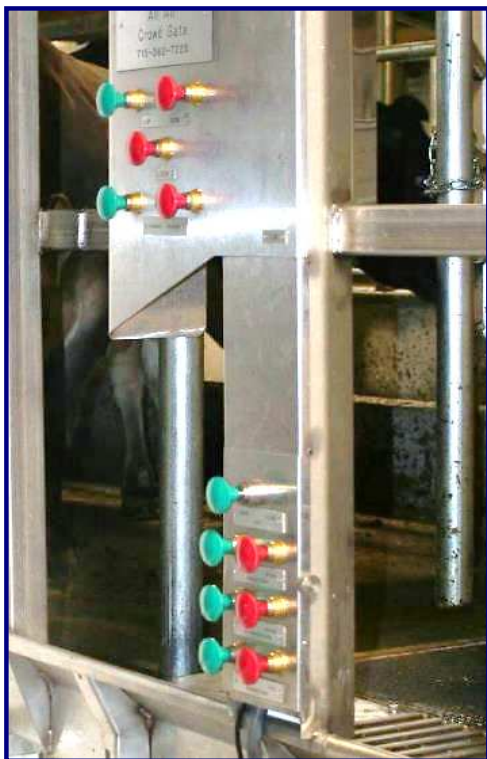
This Parlor built from all-new materials

Preliminary Proposal Prepared For: Web Site # 166 / 010515-1



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
16	Stalls	<i>All-New</i> HERITAGE ProTime II Stalls - All stainless RumpRails/Butt Plates; 38" spacing - (2) Support posts per side - Stainless - Rapid Exit Heritage Brisket Bar - Stainless - Auto-Indexing with (4) 3" x 10" stainless Cylinders - (4) Stainless Entrance and Exit Gates			\$ 49,413
16	Stalls	Overhead Channel, 11 ga - New!			\$ 5,573

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	<p>Automated Cow Traffic Controls</p> <ul style="list-style-type: none"> - (4) 3" x 10" stainless Cylinders for Indexing - (2) 3" x 10" stainless Cylinders for Entrance Gates - Rapid Exit; Brisket Bar Up - Down - Main Control Panel with (7) Control Buttons - Remote Control Panel in front to reduce walking 			<i>Included in price of Stalls</i>
<i>All-stainless TechForAg cylinders are easy to service. Just remove (4) bolts....</i>					



**(2) Cow Traffic Controls at last stalls on either side of parlor. Plus (2) remote panels in front.
5-Button Crowd Gate controls on one side only. Stainless cylinders operate Entrance Gates & Automatic Indexing. Manual Exit Gates.**

<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
16	Stalls	Stainless Curbing, Gutter and Grates - New! <i>All Stainless; All-in One Welded Structure</i>			\$ 9,417



All-stainless Gutter and Grates - A Heritage exclusive!

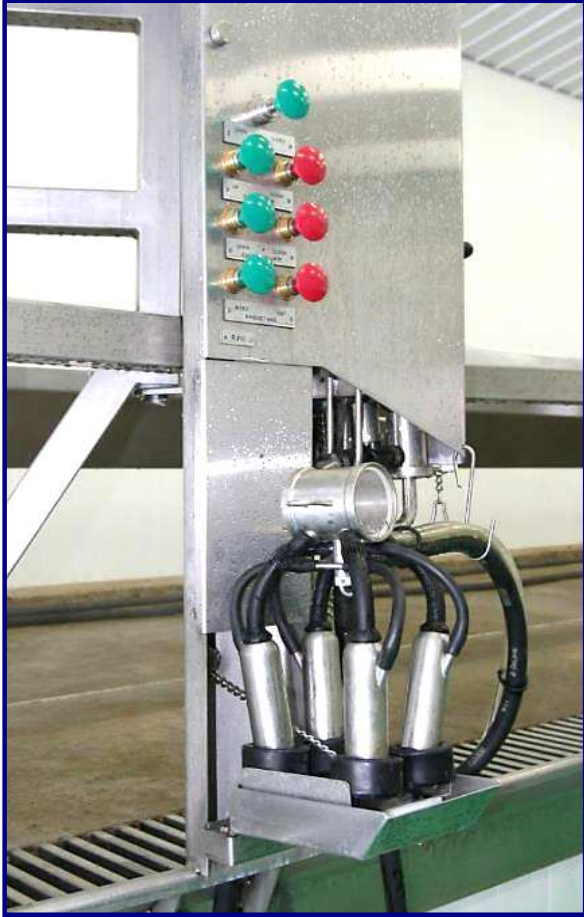
Stainless Gutter, Curbing and Grates are one welded unit. For utmost Cow Comfort we chose 3/4" x 3/4" bars, the widest in the industry, bar none.



0	Stalls	Stainless Curbing, but <i>no</i> Gutters and Grates - New!			\$ -
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2	Units	15" x 10 ft x 11 ga Cross-Over Channelsone at either end of pit			\$ 2,140
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Qty	Units	Description		Cost to End-user
0	Units	<p align="center">Air Powered CIP Cup Holders Single push button operated - "Now you see them - then you don't" Match Jetter Cups to Inflation - <i>Brand & Model # _____</i></p>		<p align="center"><i>Air Powered CIP Cup Holders are not available for PT-II Stalls</i></p>



*New Style CIP Cup Holders -
No more rubber cups to buy*



16	Units	<p align="center">Fold-Up CIP Cup Holders - <i>New!</i> (Similar to ProTime I, but manually operated)</p>		<p align="right">\$ 5,143</p>
0	Units	<p align="center">Traditional CIP Cup Holders - <i>New!</i> (Slide Rubber Cups into a stainless Rack)</p>		<p align="right">Page 5 of 31 \$ -</p>

	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	24ft x 80 ft	<p align="center">HERITAGE</p> <p align="center">Heavy Duty Electrically Operated Crowd Gate</p> <p align="center">(These Gates do not lift)</p> <p align="center">Various other gates are <i>Optionally Available</i></p>			\$ 12,550
0	ft	<p align="center">C-4 x 6.5 lbs Crowd Gate Channel</p> <p align="center">(Hot-dip galvanized)</p>			\$ -



**Reverse - Forward Controls
in the parlor and in back of
Holding Pen (Joystick)**

Cows walk thru the Gate.

**Gates can swing either way.
Has auto-stop forward and
shuts off automatically in back
and front.**

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

Qty	Units	Description			Cost to End-user
16	Units	<p style="text-align: center;">HERITAGE Legacy 9000 ArmTakeOffs - New! No Air Controls - Units are controlled by AIC Meters All-stainless, with spring-loaded clutch for arm</p>			\$ 34,171



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
AIC Presto TakeOff Controls & Milk Meters - New!					
16	Units	Germania specific Controls & Meters			\$ 17,600
32	Pcs	Horizontal stainless Bracket for Cabinet Mounting			\$ 245
16	Pcs	Wire Splice Wizard 28-12 Gauge (5 pole)			\$ 26
100	Pcs	Gray Wire Nuts			\$ 16
1	Unit	18 Amp Linear Regulated Power Supply - 24 VDC Output			\$ 843
16	Units	24 VDC MAC 3-Way Valve			\$ 1,371
<i>Optional</i>					
0	Units	Presto Master Controller			\$ -
0	Units	Herd Tracker Plus			\$ -
0	ft	Communication Cable for Herd Tracker Plus			\$ -
0	ft	2-Conductor 12 ga stranded looped wire			\$ -
0	ft	1" Conduit			\$ -
0	pcs	SS Band Clamps for Controller			\$ -
16	Sets	Misc Installation Supplies & Materials			\$ 560
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<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
16	Units	<p>New HERITAGE Top Outlet Claw-Clusters - New!</p> <ul style="list-style-type: none"> - Air Forks - 06 Shells & ___?___Inflations - Milk Hose - Pulsation Hose - Short air tubes 			\$ 6,667
		<p><i>New Feature</i></p> <p><i>- Rubber Goods upgraded to All-Silicon - (Except inflations)</i></p>			



HERITAGE Top Outlet Claw hangs well balanced on the arm for milking and equally so in the rest position.

16	units	DeLatron Pulsators - New!			\$ 5,371
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<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
16	Stalls	<p align="center">PVC 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 - (2) 3" PVC Cross-Overs in front & back 			\$ 1,486
2	Units	<p align="center">20-Unit Delatron Pulsation Controller - New!</p> <p><i>Electrician provides 120 volt receptacle nearby - bid separately!</i></p>			\$ 4,388



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
HERITAGE CIP-Receiver Combination Group - New!					
16	Stall Equiv	This group combines the traditional Receiver Group and the CIP System into a single pre-assembled aggregate - pre-plumbed, pre-wired and			\$ 20,457
		26" 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			
		'- (1) 4" x 33" Sock Milk Filters with 1 1/2" side outlet and (2) Butterfly Valves - (2) 2 hp Milk Pumps - (2) Variable Speed Controller for Milk Pump, one for stand-by			
		- (2) LLC Probes for milk and water levels - 1" 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>			
		- 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			
		<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			
		Includes Stand-by Milk Pump with pre-wired Twist-Lock Plugs			
		Also a Stand-by Variable Speed Controller, prewired as well			
0	Unit	6,000 lbs/hr Dual Pass Plate Cooler			\$ -
					Page 11 of 31
		(Modify Group for AWs?)			

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>
0	Group	Traditional Receiver Group - Remanufactured, incl. 26" Receiver, 1 1/2hp Milk Pumps with Dog House, 4 7/8" x 33" Filter, Moisture Trap & U-Bend, Flapper Valve, LL Probes & Controller, Short Plug - Long Plug, Air Blow Valve, etc.			\$ -



0	Unit	2 hp LC Thompson MilkPump - New! 220V - single or 3-Phase?			\$ -
0	Group	Automatic CIP System: (Use existing horizontal Wash Sink, but add sst cover), Water Level Sensor, Hot & Cold Water Valve, Heritage 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			\$ -
0	Unit	Adjustable milk pump stand			\$ -
0	Unit	Stainless Dog House for Milk Pump			\$ -

	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
16	Stalls	150 ft of 3" Lo- Lines - New! Double slope - single loop, with nipples, fittings, all clamps, gaskets and brackets. Line slopes toward HoldPen			\$ 4,389
16	Stalls	2" CIP Line - New! - with nipples, fittings, all clamps, gaskets & brackets. - Both lines will be dead-ended at front of parlor			\$ 1,783
80	ft	1 1/2" Discharge line from CIP-Receiver Group to Milk Tank (Bottom Loading) and back to CIP Rec Group; incl. Safety Switch at Tank			\$ 2,857
0	Units	New Pipe Line Inlets for 3" Lo-Line and 2" CIP line			\$ -
0	Units	Gasketed Hole Covers for PipeLine			\$ -

<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
1	Group	<p align="center">Compressed Air System</p> <ul style="list-style-type: none"> - (1) 5 hp SpeedAir Compressor - With Twin Tower Drier, dries air to minus 10 dgr 		\$ 9,107
		<i>Electrician provides 220V to this group ___single or ___3 Phase?</i>		



(2) 5 hp Speedair Compressors , modularized;



Twin Tower Drier dries air to minus 10 dgr

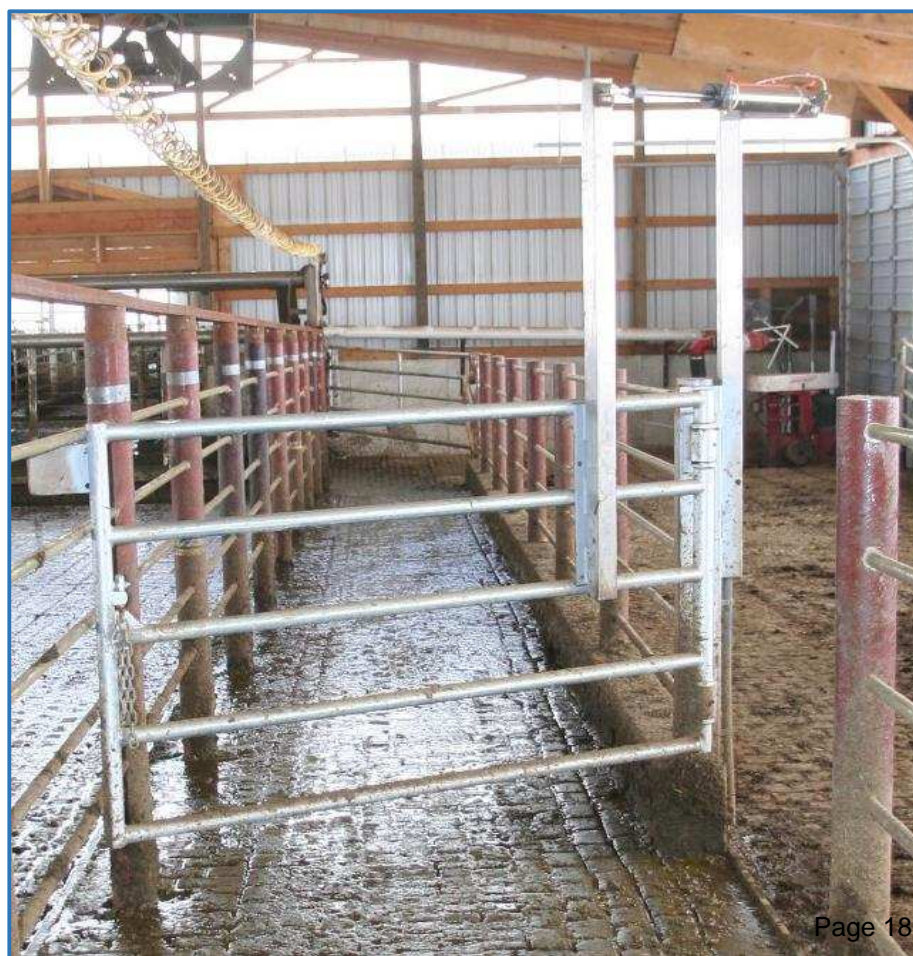
<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Unit	7.5 Hp Vacuum System with Lobe-Style Pump - New! Sutor-Built Lobe-style Blower Pump, preassembled for instant installation			\$ 4,214
1	Unit	Frequency Controller/Variable Speed Drive - New!			\$ 2,551
1	Group	<i>6" PVC Header 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 350 Vacuum Regulator			\$ 765
		<i>Electrician provides 220 volt to this Group - Bid separately! ___single or ___3 phase?</i>			



<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 align="center">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 align="center">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>			\$ -



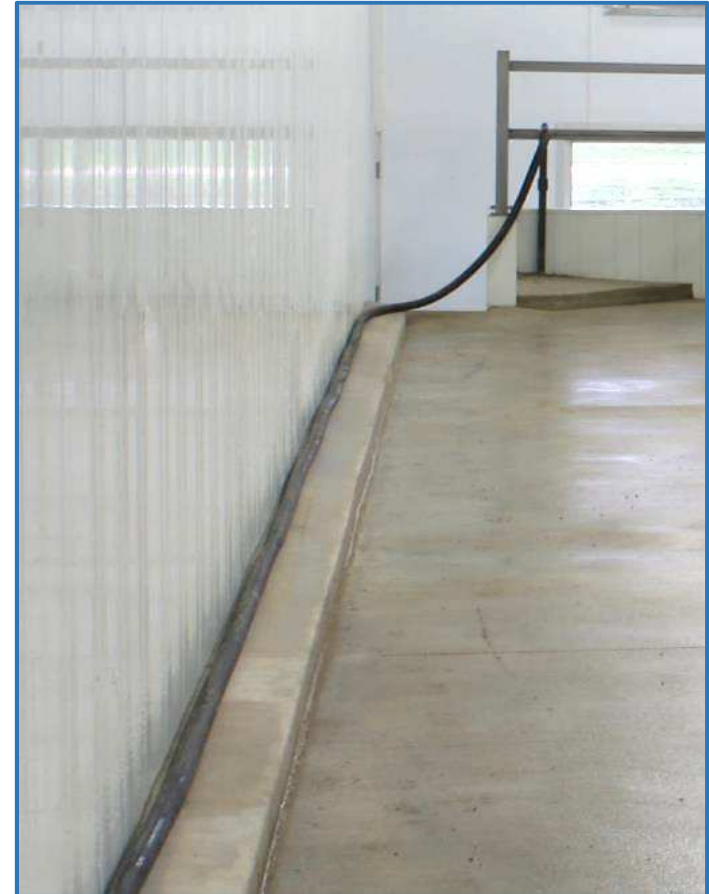
<i>Qty</i>	<i>Units</i>	<i>Description</i>		<i>Cost to End-user</i>
1	Group	<p align="center">On-Farm Spare Parts Kit (Contains only new parts)</p> <p>Includes all essential parts for at least (1) year of operation (6) sensors, (2) retract cylinder, at least (4) of each air valves, an extra LLC, seal kits for the milk pump, (2) PC Boards for the Pipe Line Washer, several extra Pulsator, an extra Cluster Assy', etc.</p>		\$ 5,714



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Pcs	Double Compartment Sink			\$ 643
1	Group	Accessories Group Hand Wash Sink, Filter Sock Holder with (1) box of Filters, SST paper towel holder, SST soap dispenser, etc.			\$ 536



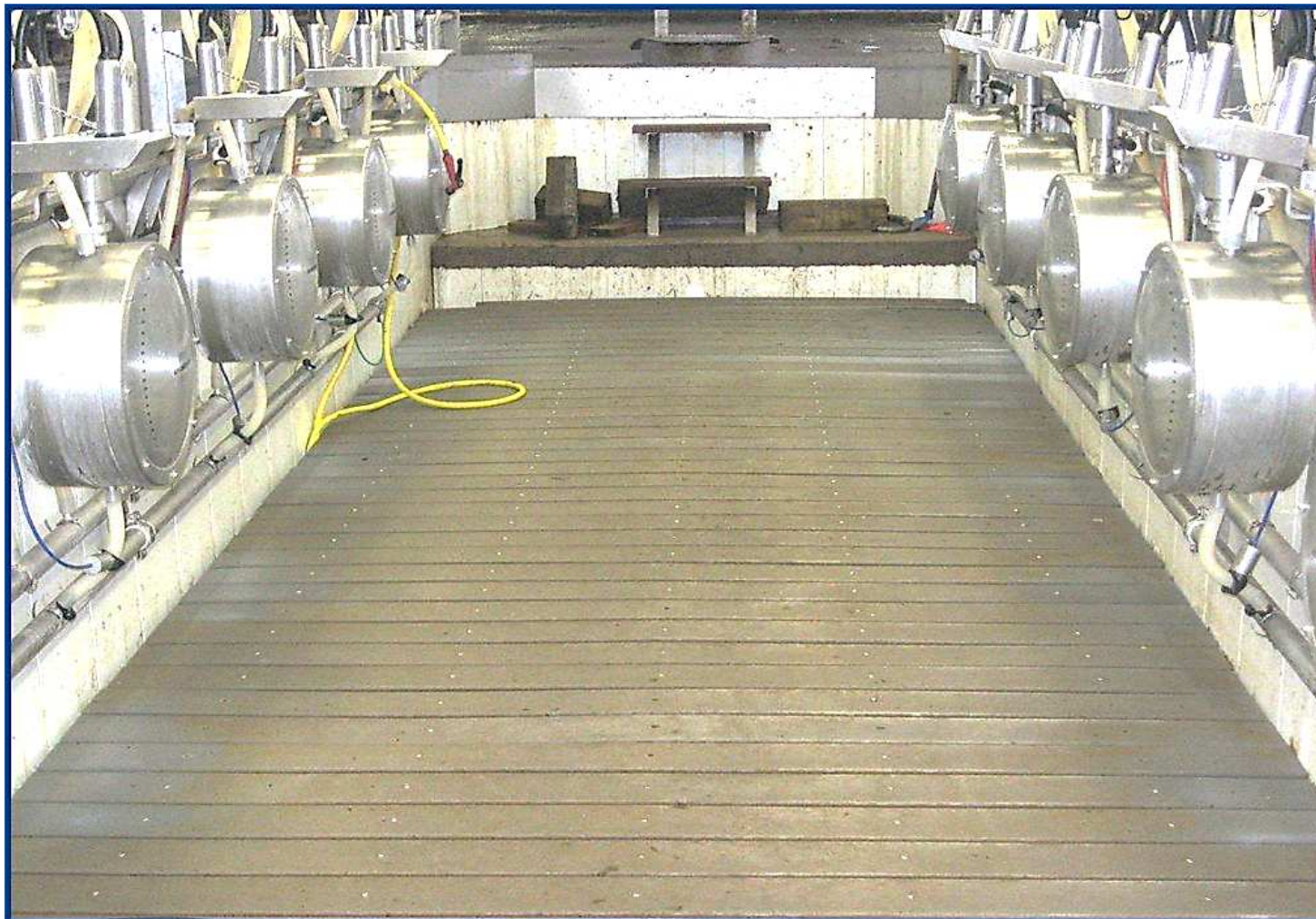
<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Group	(1) 25 ft long 1" Wash-Down Hose for the pit with original Brass Fire-Hose Nozzles			\$ 179
1	Group	(2) 50ft long 1" Wash-Down Hose for the Cow Platforms with original Brass Fire-Hose Nozzles			\$ 298
0	Units	Air-Powered, all-stainless 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 - What Colors?			\$ -



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
0	sqft	Adjustable Pit Floor ...adjusts floor height by 4" up & 4" down			\$ -
		<i>Floors raises and lowers by air pressure</i> <i>no motors, no switches</i> <i>Cost - about \$55/sqft</i>			



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
1	Unit	<p align="center">Stainless Pit Steps - New! from parlor into Holding Pen; 4 steps, 30" wide, 8" riser with SST Handrail Pre-fabricate for 34" high cow platform</p>			\$ 857



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
18	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>			\$ 1,234
		<i>48" 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 (9) 4 ft fixtures per side</i>			



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



		Germania Accuweigh 90 or 65 - 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	AW Control Boxes Turbo Controller, _____ Extra VacShutOff Valves, etc.			\$ -
0	Units	Butter Fat Testers			\$ -

<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>
16	Stalls	1" Kraiburg Rubber Mats (Made in Germany) For the Cow Platforms			\$ 2,489



<i>Qty</i>	<i>Units</i>	<i>Description</i>			<i>Cost to End-user</i>
2	Units	<p>Modular Platforms for 8 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>			\$ 3,429



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		\$ 219,697
		14 % Dairy Direct Discount (no Dealer)		\$ (30,758)
		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 16% of Cost of Materials</i>		\$ 35,151
2	Trucks	Estimated Freight - (2) Trucks @ \$650 (In Wisc. Only)		\$ 1,300
		On-Site Installation Labor, Supplies & Expenses Covers several items:		
		1. Time for (2) Technicians (15) days @ 12 hrs average @ \$55 hr		\$ 19,800
		2. Time value of (2) Technicians while travelling: (1) round trip @ 19 hrs one way @ \$45/hr, includes Diesel		\$ -
		3. Travel Expenses: (6) Motel nights + Meals & Misc.		\$ -
		4. (3) Visits to dairy for Planning & General Consultation, Quality Control and Training by Rolf		\$ 2,700
		5. Rebate to Customer of \$1,000 for prompt payment of last installment		
		Grand Total I Parlor with Freight & Installation		\$ 247,891
		Per Stall		\$ 15,493

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