

**TechForAg LLC**

Presents:

**'Ready-To-Milk'**  
**Modular Parlors**  
Built from Recycled Materials

**Project # 14**  
**Kehoe Brothers Dairy**  
Inverness, CA  
August 2004



***SETTING A NEW RECORD . . .***

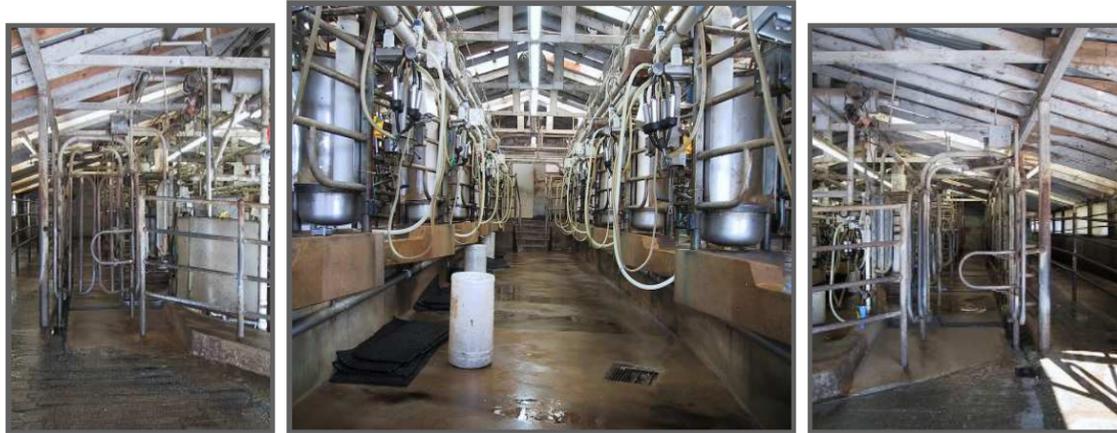
***EXCHANGING OLD FOR NEW IN 16 HOURS, START TO FINISH!***

***NOBODY EVER EXCHANGED PARLORS IN AS LITTLE TIME AS THE***

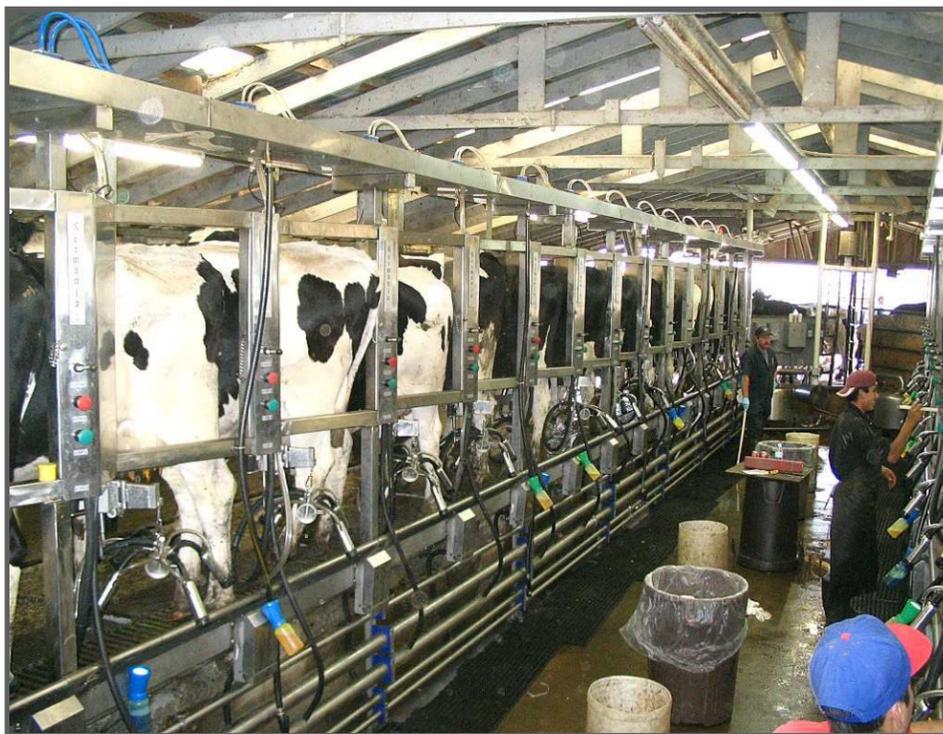
***KEHOE BROTHERS DID ON AUGUST 10, 2004***

**Project # 14**  
**Kehoe Brothers Dairy, Inverness, CA**

The old parlor at 6:00 AM Tuesday, August 10, 2004  
A dbl. 6, 35-year old Surge Side-Opener



The last cow had barely left the parlor when the wrecking crews moved in, 22 strong - family, contractors, equipment people, several neighbors, swinging sledge hammers, crow bars, (3) acetylene torches, (3) concrete saws and (4) jack hammers.



The new parlor 16 hours later, with both sides milking.  
Milking re-started on the first side a 6:00 PM and four hours later on the other

**The Kehoe Brothers, nothing but guts**

There are three of them - Tim, Tom and Mike.

This was Tim's project. Key question: Might it be possible to complete the project in a single day? After several soul-searching discussions with his brothers, the contractor, equipment specialists and Janice his wife, Tim made the decision...

**“Let's Go For It!”**



*The parlor at 9:00 AM—with 550 cows outside watching in silence  
“What are they doing?”*

**Possible with Pre-cast Slabs**

As luck would have it they got a hold of reject concrete slabs from a nearby highway project, which they cut to size ahead of time - ready-to-go flooring in place shortly after each Module was placed.



*Each slab was cut a week ahead of time, numbered and cross referenced to its designated place.*



*Ready-to-go cow platform one hour after parlor had been placed. Slabs will be replaced later on with poured concrete*

**How Much Time to Retrofit a Parlor?**

Depends on a number of factors:

- How large is the parlor?
- What access to the space where it goes?
- Experience of the Contractor and Dairy Equipment Dealer

On average it takes 20 to 24 working hours to retrofit a parlor over a total of 36 hours elapsed time. Normally we start removing the first side at 6:00 AM and start milking between 4:00 and 6:00 PM. The second on the second day usually takes from 2 to 4 hours less.

*How long for a new parlor?* Up to 4 hours for a smaller parlor and up to 8 hours for anything larger than a dbl. 12 (four Modules instead of just two).



*'Ready-To-Milk' Left hand Module immediately before installation at about 12:00 Noon*

**16 Hours**

**How Was It Possible?**  
 Yes, it took pre-assembled Modules and, no - it couldn't have been done without pre-cast concrete slabs. But the one and only critical factor was the fierce determination of the Kehoe brothers.

**What We Installed...**



*A dbl. 14 all-stainless Germania ProTime II HerringBone*



*Rapid Exit, Automatically Indexing Brisket Bars*



*BouMatic Style Pulsation System with 3" Fresh-Air Line*



*Automated CIP Cup Holders— Operate 28 units with one button*



*All-Stainless Germania Legacy 9000 Arm TakeOffs*

**Where Did the Equipment Come From?**

From the Meisner Dairy near Milwaukee, WI., where it was a 22-stall three sided Trigon, originally installed in 1988. The additional stalls came from a dbl. 40 Herring-Bone near Cimarron, KS.



*(10) 3" x 10" Germania stainless Cylinders*



*3" Lo-Lines, (2) Receiver Groups, 2" CIP & miscellaneous other Lines*

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