

**Bray**  
INTERNATIONAL NEWS



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# Bray Technical Center Grand Opening



## Tech Center Opening (Cont'd)



*From L to R: Frank Raymond, Brad Kirchhofer, and Craig Brown cutting the Grand Opening ribbon*

## **Bray Technical Center opened on June 23, 2011**

**Several hundred guests were treated to presentations featuring a special Guest Speaker: Ray Bojarczuk from Exxon Mobil along with guided tours of the new Technical Center:**

- The BTC office area houses the engineers, designers, and drafters of the BII Technology Group.
- The Technical Center's climate controlled Machine Shop has a machining area of about 9,000 sq. feet.
- The 4300 sq. foot Development Lab houses testing activities on prototype products and materials.
- The Technical Center's high-pressure/cryogenic testing area has a bunker with dimensions of 18 ft deep by 13 feet square for high-pressure gas testing and larger cryogenic packages that can accommodate valves up to 72" diameter.
- Valve Assembly is served by 3 cranes and a test rack able to handle 120" valves with room for an actuator when testing.
- Bray Technical Center's Warehouse has 15,000 square feet of storage.

# Tech Center Opening (Cont'd)



*Guest Speaker, Ray Bojarczuk, P.E.  
ExxonMobil Research & Engineering Company*



*Bray Technical  
Center Development Lab*



*Bray Technical  
Center Lobby*

# Tech Center Opening (Cont'd)



*Cryogenic Testing Area*



*Bray Conference Center*



*Bray Valve Display Booth*



# Tech Center Opening (Cont'd)

*Customers in the Bray  
Technical Center Test Rack Area*



*Bray Cyberbus Room*



*Bray Technical  
Center Development Lab*



*The Display Booth was used at  
the Valve World Americas Tradeshow*



*Bray Valve Display Booth*



*Distributors Group Photo  
Bray Technical Center Lobby*

## Woodford Reserve and Bray - Dave Evans



*Copper Still*

Woodford Reserve Distillery is located in the heart of Kentucky, and hidden between some of the most scenic Thoroughbred horse farms. To get there you'll drive along 2 lane roads under a canopy of beautiful trees. These winding roads are bordered by limestone fences and emerald green manicured pastures with horses quietly grazing.

On arrival at Woodford, you see buildings that date back over 100 years. During the tour, you learn that the area sits on a huge limestone aquifer that, not only, makes good whiskey but promotes strong bone development in horses.



*Woodford Reserve*



*Bray Valve*



*Fermenting Sour Mash*

The tour is very educational as you learn about the corn, wheat and rye that are used to produce bourbon. How they are milled, then cooked and why the limestone water is preferred is also discussed. You see and smell the mash as it ferments. Then you are guided to the distilling process and watch the clear alcohol liquid that will be placed in white oak barrels to age for a minimum of 6 years. It is in this process that you will see Bray valves. The aging process produces the flavor and turns the clear alcohol into the golden Handcrafted Woodford Reserve Kentucky Bourbon.



*Bray Valve*



*Aging Woodford Reserve Bourbon*

## Grand Opening of Bray India Technical Services Center



On April 4<sup>th</sup>, 2011, Bray Technical Services India Pvt Ltd (BTSI), Bray's new Technical Service Center in Bangalore, India moved to their newly furnished office premises and was formally inaugurated by BII Chief Operating Officer Brad Kirchofer.

In November 2010, Varadharajen Lakshmanan, Vice President of Technology for the EMEAA region of Bray International, Inc., was assigned the responsibility to create a technical services group in India to support the growing demand of engineering and product development needs across Bray divisions. BTSI is the outcome of this initiative and BII is excited about this new set-up in India. BTSI currently has nine members, all of whom bring valuable experience from leading valve industries.

The newly furnished office of BTSI is about 3,500 sq. ft and can accommodate up to 30 people, with a vision for future growth in the very near future. In addition to the office space, BTSI also has a lab space of around 1,500 sq.ft to carry out the testing and validation activities as an inherent part of R&D and product development.



*Brad Kirchofer cutting the ribbon*

BTSI is yet another testimonial of Bray's vision to become a truly global organization by taking advantage of the talents and resources across the world to further enhance Bray's reputation as a High Performance Company, not in mere words but through actions.

## Bray Butterfly Valve as an Altitude Control Valve - Javier Padilla

Let me share with you this application for its novelty and complexity at the second most important company in Colombia, MPE (Medellin Public Enterprises). On this application I want to highlight three very important aspects. First, the ingenuity displayed by the project designer Mr. Juan Camilo Torres, who employed his creativity in solving a particular problem in an area of difficult access with minimal economic resources. The second instance is the high demand and stress our Bray Valve is subject to as a final control element in a system of elevation of a water storage tank and treated water. Finally the comments of the engineer (Mr. Torres) after observing perfect operation (without bindings or jams) for a year and a half. He describes our product with the highest opinion and qualifications saying: "I found out that the Bray Valves are part of a selected High Performance Valve group for the potable water industry, which provide reliability, durability, and maintainability"

**Application:** A 14" Bray Butterfly Valve Series 31, Trim 119 (Nylon Coated Disc) and actuated by a floating system designed and manufactured by MPE is used to regulate the inflow by gravity to a tank of glass fused to steel. The difference in head pressure is 40 m.c.a. (Approx. 56 PSI)

**Advantages:** Low cost compared to other possible solutions thanks to a FDA grade disc and seat (the only elements in contact with the fluid) eliminating the possibility of contamination of the treated water. Finally a hydraulic advantage was gained with the elimination of transient flows as a result of direct action of the valve disc, unlike the altitude control valves normally used (diaphragm type floating devices).



*Inside Elevated Water Tank*

In conclusion, the strong performance of the Series 31 valve for this complex application (which has always been committed to other types of valves and control systems) has found success at MPE. Finally I wish to thank MPE for giving Bray the opportunity to demonstrate that we are able to meet their rigorous fluid control requirements.

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