



PACAMOR KUBAR BEARINGS

## Pacamor Kubar Bearings (PKB) Newsletter

September 2009

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### Dear Reader,

Welcome to the September issue of Pacamor Kubar Bearings (PKB) ball bearing and mechanical motion newsletter. The weather is cool with a bright blue sky on this beautiful day at the tail end of summer.

PKB's miniature and instrument FAA TSO-C149 Certified Aircraft Bearings are manufactured and assembled in our ISO9001:2000 and AS9100:2004 certified factory in Troy, NY and are widely specified by OEMs and FAA repair centers. PKB continues to expand our manufacturing capabilities to meet ever more demanding requirements from our Aerospace customers for our DFARS approved ball bearings.

In order to ensure prompt and uninterrupted delivery to your mailbox, please opt in.

Sincerely,  
**Nancy Cogliandro**  
 603-563-7708  
[pacamor@msn.com](mailto:pacamor@msn.com)

Call or email me anytime for all your miniature and instrument ball bearings!

### PACAMOR KUBAR BEARINGS ANNOUNCES CLEANROOM EXPANSION

In response to growing demand by Aerospace OEM and MRO customers, Pacamor Kubar Bearings (PKB) [www.pacamor.com](http://www.pacamor.com) in Troy, NY, is expanding its Class 10,000 Cleanroom Environment. Scheduled for completion in Q4 '09, the current ISO 9001:2000 and AS9100:2004 certified manufacturing cleanroom space will be dramatically increased, effectively doubling the size. It will be equipped to provide complete bearing assembly processes including component inspection, bearing assembly, lubrication, specialty inspection processes, secondary operations, test and packaging capabilities.

New equipment for the expanded cleanroom will include a state of the art Running Torque Tester complete with tooling for every bearing size manufactured by PKB; a new heated vacuum impregnation chamber and a new high speed centrifuge for lubrication processes; a new nitrogen gas backfill system for specialized packaging processes; and many other specialty instruments and production tools. Also contained in the new cleanroom, an automated bearing wash system, numerous Class 100 laminar flow benches for ultra clean processing, numerous gages and precision inspection instruments.

The expanded system is designed to provide tight temperature, humidity, and particulate control. The cleanroom is regularly measured using particle counters to read the return air stream particulate level. The current PKB cleanroom regularly maintains cleanliness levels far superior to the Class 10,000 levels to surpass the 1,000 PPM rating on a consistent basis. PKB's ultra-clean Class 100 laminar flow benches regularly report single digit PPM cleanliness levels.

"Customer requests for cleanroom assembled and processed aerospace and medical bearings are on the rise as companies look to eliminate contamination and additional cleaning processes from their final assembly operations," says Ed Osta, Executive Vice President. "The stringent and comprehensive contamination control methods, along with some of the finest technology in the industry, will meet our customers' cleanliness requirements and help reduce their time to market."

**QUALITY MANAGEMENT SYSTEM**  
**CERTIFIED BY DNV**  
**ISO 9001 \ AS9100**

This cleanroom expansion project is just another example of Pacamor Kubar Bearings (PKB) commitment to our customers and their needs. We will continue to advance our capabilities to meet and exceed future customer requirements. Pacamor Kubar Bearings manufactures high performance DFARS compliant miniature and instrument ball bearings for the aerospace, defense, medical, dental, industrial, and commercial industries.

Customers include major aerospace manufacturers and key resellers as well as various national laboratories and prestigious government organizations such as the National Aeronautics and Space Administration (NASA). PKB provides these industries with precision ball bearings, including those with unique designs and materials used at sub-cryogenic temperatures.

## PKB Factory Videos - Take a Tour!

The Pacamor Kubar Bearings (PKB) quality certified factory is located in Troy, NY. PKB is ISO 9001:2000 and AS9100:2004 certified. All PKB bearings are FAA TSO-C149 Aircraft Bearings certified and are appropriately DFARS approved. PKB maintains an in-house DMIR for expedited deliveries to our aerospace customers.

This video provides a tour of the PKB quality certified factory in Troy, NY:

<http://www.pacamor.com/quality/video1.php>

This video provides a brief overview of some of the many applications where PKB bearings can be found:

<http://www.pacamor.com/about/index.php>



*If you any have trouble viewing the video links, please request a copy of the file.*

## PKB Dental Bearing Summer Sale!!

The PKB Dental Bearing Summer Sale is running at full speed (Steel and Ceramic). We know that many of you like to place your annual order for dental and medical bearings during this sale. If you didn't receive last month's newsletter and/or would like a copy of the sale flyer, please contact me and I will send a flyer to you right away. [pacamor@msn.com](mailto:pacamor@msn.com)



## Social Networking - All Ball Bearings! All The Time!!

Pacamor Kubar Bearings (PKB) is on **Facebook**.  
Click and become a fan! <http://companies.to/pkb>

Join the PKB bearing discussion groups on **LinkedIn**  
<http://tinyurl.com/cl8r9s> and on **Facebook**  
<http://groups.to/pkb>

PKB is on **Twitter**. <http://twitter.com/pacamor>

PKB **BLOG**; comments welcome: <http://www.pacamor.com/blog/>

PKB **YouTube** Channel: bearinggoddess (that's me!)



## Useful Technical Links For Bearing Engineers

Bearing Cross Reference From Other Manufacturers:  
<http://www.pacamor.com/technical/bearingcrossreference.php>

Radial Play:  
<http://www.pacamor.com/technical/radialplay.php>

Bearing Lubrication:  
<http://www.pacamor.com/technical/lubrication.php>

Bearing Installation:  
<http://www.pacamor.com/technical/installation.php>

Bearing Life & Load Calculator:  
<http://www.pacamor.com/technical/lifeloadcalculator.php>

Technical Pages Index:  
<http://www.pacamor.com/technical/index.php>

How are PKB Bearings Manufactured? **Click here for a PKB factory tour!**  
<http://www.pacamor.com/quality/video1/php>

and much, much more: <http://www.pacamor.com>

Thank you for reading!