

Brooks On-Board[®] IS Upgrade for E220/500 Ion Implanters

Turn-Key Upgrade Package:

- **Brooks offers a performance-enhancing, fully-integrated On-Board IS cryopump upgrade solution for all vacuum configurations of the VSEA E220/ 500 Ion Implanters:**
 - **On-Board IS 250FE or On-Board IS320FE Cryopumps will replace On-Board 250F or On-Board 10F on the End-Station.**

Value Proposition:

This upgrade is for customers who are concerned with increasing tool availability and wafer throughput.



All upgrade inquiries must be transacted through Brooks technical support 1-800-FOR-GUTS[®]

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Features:

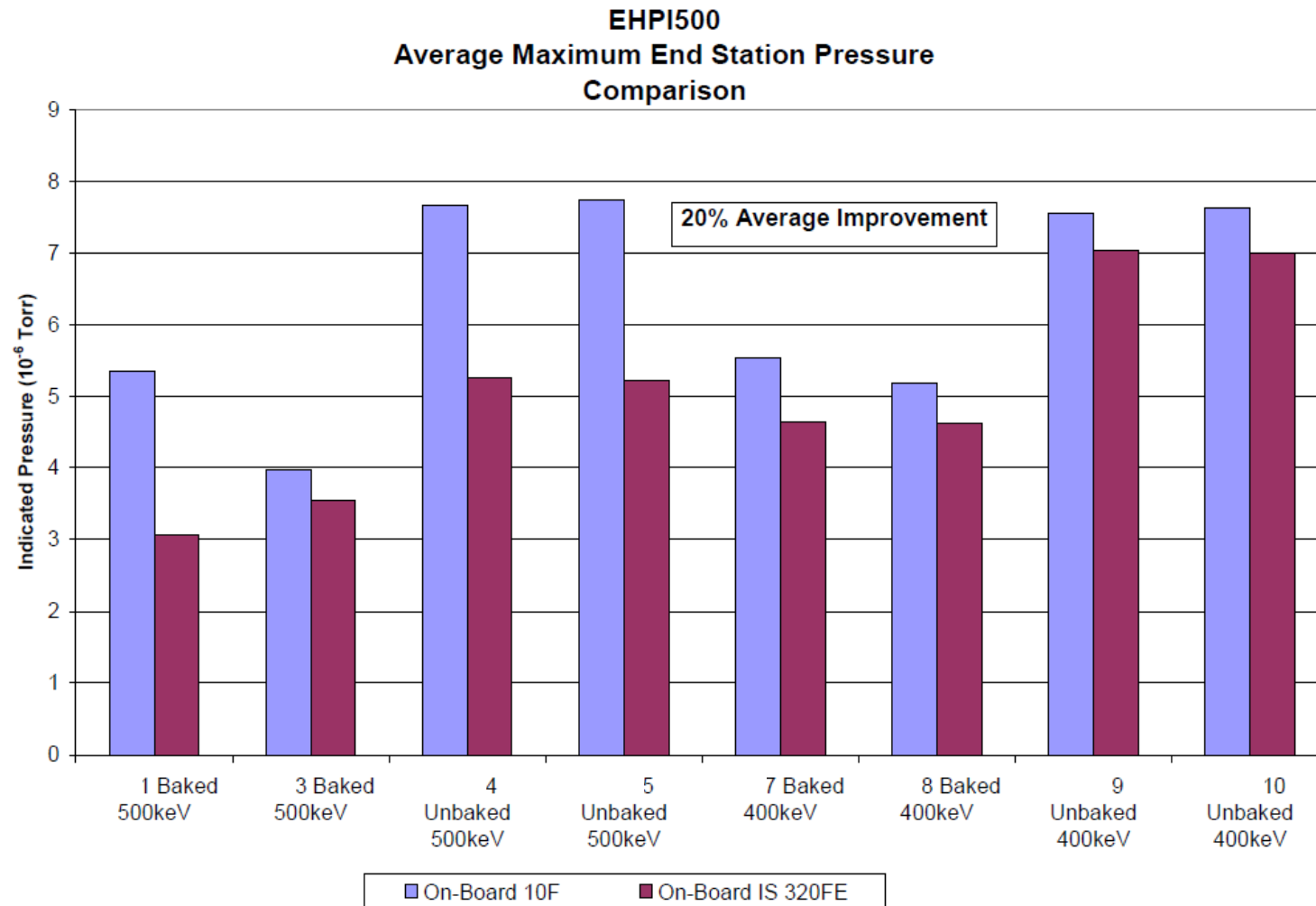
- **Increased Hydrogen pumping speeds**
- **Multi-speed motor provides faster cooldown times**
- **Faster and improved automated regenerations**
 - Full Regeneration = 1.5 hours
 - Fast Regeneration < 30 minutes
- **Fast Regenerations restore hydrogen pumping speed and capacity to 100%**
- **GOLDLink[®] enabled**
- **Installed by experienced Brooks Engineers**
- **Backed by 1-800-FOR-GUTS[®]:
7x24x365 Technical Support**

Benefits:

- **Increases Tool Throughput**
 - **Significantly reduces dose hold conditions due to hydrocarbon out-gassing**
 - **Intelligent controls ensures a predictable environment for pumping hydrogen at high speeds**
- **Increases Tool Availability**
 - **Minimizes pump regeneration time**
 - **Full recovery of speed and capacity after regeneration in severe implant environments**

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