The IK-545 sootblower is available with the following options which significantly reduce maintenance and provide enhanced sootblower cleaning performance:

- **EAPC Poppet Valve**: The Externally Adjustable Pressure Control (EAPC) Poppet Valve allows the blowing pressure to be adjusted while the sootblower is in line.
- **LLG**: Unit-loaded Gasket (ULG) for feed tube packing maintains compression without frequent manual adjustments. This greatly reduces maintenance on a traditionally high maintenance component.

**PHM Diamond’s exclusive Progressive Helix Mechanism (PHM)** improves cleaning coverage of the nozzle by incrementally changing the nozzle path. This device is a precision, geared indexing mechanism that shifts the nozzle starting position every cycle to establish a more complete cleaning path while reducing tube erosion.

**Solid™ Sootblower Nozzle**: This unique sootblower nozzle design maximizes energy delivered by both nozzle jets. The Gemini™ sootblower nozzle can dramatically improve cleaning performance while significantly improving operating and maintenance costs.

**Diamond™ Feed Tube**: The Diamond™ feed tube is 30 percent harder than chrome. Since this is not a coating, there is virtually no potential for surfacing coating on downstream piping. This means fewer lead times for new feed tube replacements and substantial maintenance savings.

**One Way Cleaning**: The forward stroke of the lance tube is a purge cycle using minimum blowout pressure to pre-heat the sootblower lance and feed tube and remove condensate from the sootblower and steam header. During lance tube retraction, this heat is preserved and is available for the cleaning. This can save up to 70 percent of steam usage, significantly reducing maintenance costs and reduced boiler tube erosion.

**Precision Clean™ Technology**: This technology extends the effective cleaning reach of the 90/95 sootblower by controlling jet progression, optimizing the rate of expansion to maintain constant collimated tangential sides of the nozzle exit. This maintains the full length of the feed tube, reducing the frequency of sootblower operations, improving boiler operation and reducing maintenance.

For further information contact:
Diamond Power Specialty Company
5000 N. 60th Street
Lancaster, OH 43130
Phone: (740) 687-6590
Fax: (740) 687-4304

Diamond Power Specialty Company reserves the right to make design or material changes without notice.

Diamond Power International, Inc.

For additional information, visit www.diamondpower.com
Diamond Power Specialty Company

The information herein is solely for your information, and is not offered, or to be construed, as a warranty, or contractual obligation.