

Higher Performance for Draw Rings, Step Cones, Pulleys & Guides

Adam Osekoski relates that Izory®HD, available from **Refractron Technologies Corp.**, Rochester, NY, USA, will reset your expectations for the performance of the draw rings, step cones, pulleys and guides used to manufacture wire. Our latest evolution is 15% harder, 30% stronger and offers a 40% improvement in standardized abrasion testing when compared to traditional magnesia stabilized zirconia (MgPSZ) used throughout the wire industry.

And don't worry, Izory®HD still comes with the same great fracture toughness expected from MgPSZ. Fracture toughness is the property, which quantifies the ability of a material to resist crack propagation and chipping. It is critical to the durability required for parts used in wire manufacturing.

Resistance to Dimensional Changes

"Improved ceramic properties probably sound nice, but how do they translate into wire quality and operational efficiency?" asks Osekoski.

Izory®HD's improved microstructure and better properties make it better equipped to resist dimensional changes that can wreak havoc on your process control. Its resiliency can translate into longer maintenance cycles, better wire quality and lower total costs.

Applications

Izory®HD can be used to manufacture a variety of products for any application where wire quality is important and wear resistance is required. We've designed Izory®HD for wire guides on Cv lines, rings on rod breakdowns, threaded eyelets on take-ups, pulleys in annealers and capstans on multiwires.

Our local manufacturing starts with in-house-made powder, and our forming and finishing capabilities allow us to make nearly any precise shape your process requires. And to help provide just-in-time delivery for unplanned

maintenance, we keep Izory®HD draw rings and rolls in stock for a number of standard machines including those made by **Niehoff**, **MFL**, **SAMP**, **Syncro** and **Henrich**.

Engineering Support & Customer Service

We understand a great material like Izory®HD is important, but we know engineering and design support and customer service are critical too.

To provide the best total solution, we'd like to talk to you about your experiences and schedule an assessment at your factory. We think personalized face-to-face meetings and our on-site assessments are still the best way to clarify your goals and experiences, identify all the requirements and ensure we meet your objectives.



Izory®HD is specified on drawing lines made by all major OEMs and trusted by manufacturers around the world. It is produced at our factory outside of Rochester.

Refractron is *ISO 9001:2015* certified, and is **ITAR** registered. To service the needs of our customers, our facility is outfitted with an array of equipment to produce one-off prototypes or high volumes. We have an in-house materials lab to confirm key ceramic properties, and we use 100% inspection with customized part specific laser marks to tie our quality system together and provide easy inventory control for our customers.

To learn more about our products and services, contact Adam Osekoski at Refractron Technologies Corp. at adamo@refractron.com.

www.refractron.com

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