

Winsert^{INC.}

*Precision Valve Seat Inserts
Affordable Wear Solutions*



Experience Provides Value

With more than a quarter century of experience, Winsert has become a leading supplier of engineered cast valve seat inserts (VSIs) for the world's severe-duty engine market.

Winsert utilizes proprietary alloys to create affordable solutions with superior heat, wear and corrosion resistant properties. Winsert delivers greater long-term value for OEM customers by developing systems that meet valve train recession goals, extend engine warranty and minimize exposure to price volatile metal markets.

Since 1992, Winsert has maintained the industry's most sophisticated alloy development and wear-testing capability for the VSI sector. This R&D resource gives Winsert customers a

matrix of proven design and performance options for warranty-critical valve train components.

Winsert's proven proprietary alloys will become your competitive advantage.



Manufacturing

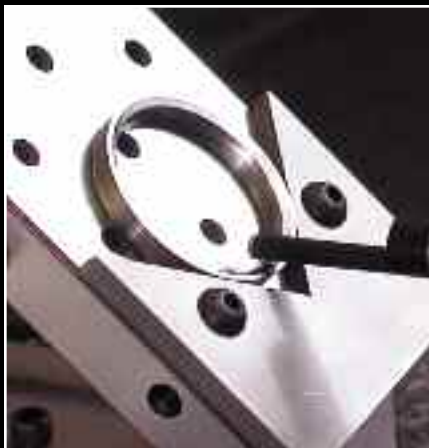
Winsert produces millions of VSIs annually with additional capacity to meet your production needs. From casting and finishing, to automated visual inspection, verification and delivery, Winsert has the people and resources to respond to your order with components that are ready to enter your manufacturing process precisely when needed.

Winsert is committed to ISO / TS 16949 and ISO 14001 to provide zero-defect PPM quality performance and ready-to-install VSI parts

for our global customer base. Winsert is a preferred solutions provider that works with



customers to address their individual order specifications. This level of service has earned Winsert sole-source responsibility with many of its customers.



Tomorrow's Affordable Solutions

Winsert is expert in continuous process improvement. We develop severe-wear VSI materials that allow engine



manufacturers to meet the next generation of emission requirements.

Winsert has the industry's most comprehensive archive of VSI materials and proven test result data. This resource, and our advanced testing and concurrent engineering allow us to work with your personnel to test materials and quickly solve specific heat, wear or corrosion application problems.

Winsert reduces your engine development cycle time, helps you find affordable alternatives to high-cost materials and can give you the assurance that you have found the right long-term solution provider.

Winsert, your competitive advantage.





Winsert^{INC.}

2645 Industrial Parkway
PO Box 198
Marinette, WI 54143-0198

Phone 715 732 1703
Fax 715 732 2824
E-mail info@winsert.com
Web www.winsert.com