

GUARDIAN® Bearing Isolator

Case Study: Application in Machine Tools



Industry

Mechanical Engineering

Customer

Our client develops, designs and sells 3-spindle Machine Tools.

Background

They offer over 3 times greater productivity with a single robot and its 3-spindle system ensures much lower running costs, saving on space, energy and specialist intervention. These are unique machines with a high degree of specialization and specific requirements.

Challenges faced

The customer was looking for sealing solutions to avoid bearing oil leakage or debris inclusions.

Operating Conditions

Speed: Medium and low speeds

Solution and Benefits

GUARDIAN® has been installed between the housings and their spindles. Bearing oil leakage and debris inclusions are eliminated now.

The Customer specified GUARDIAN® in all machines of a special model replacing original labyrinth seals.

The introduction of GUARDIAN® simplified the overall design and related installations. Machine reliability increased reducing the total cost of production.

For more information, please visit:

www.garlock.com

GARLOCK GMBH

an Enpro Company

Falkenweg 1, 41468 Neuss, Germany

☎ +49 2131 349 0

garlockgmbh@garlock.com

www.garlock.com

Garlock Sealing Technologies

Garlock USA

Garlock Australia

Garlock Canada

Garlock China

Garlock Germany

Garlock India

Garlock de México

Garlock New Zealand

Garlock Singapore