

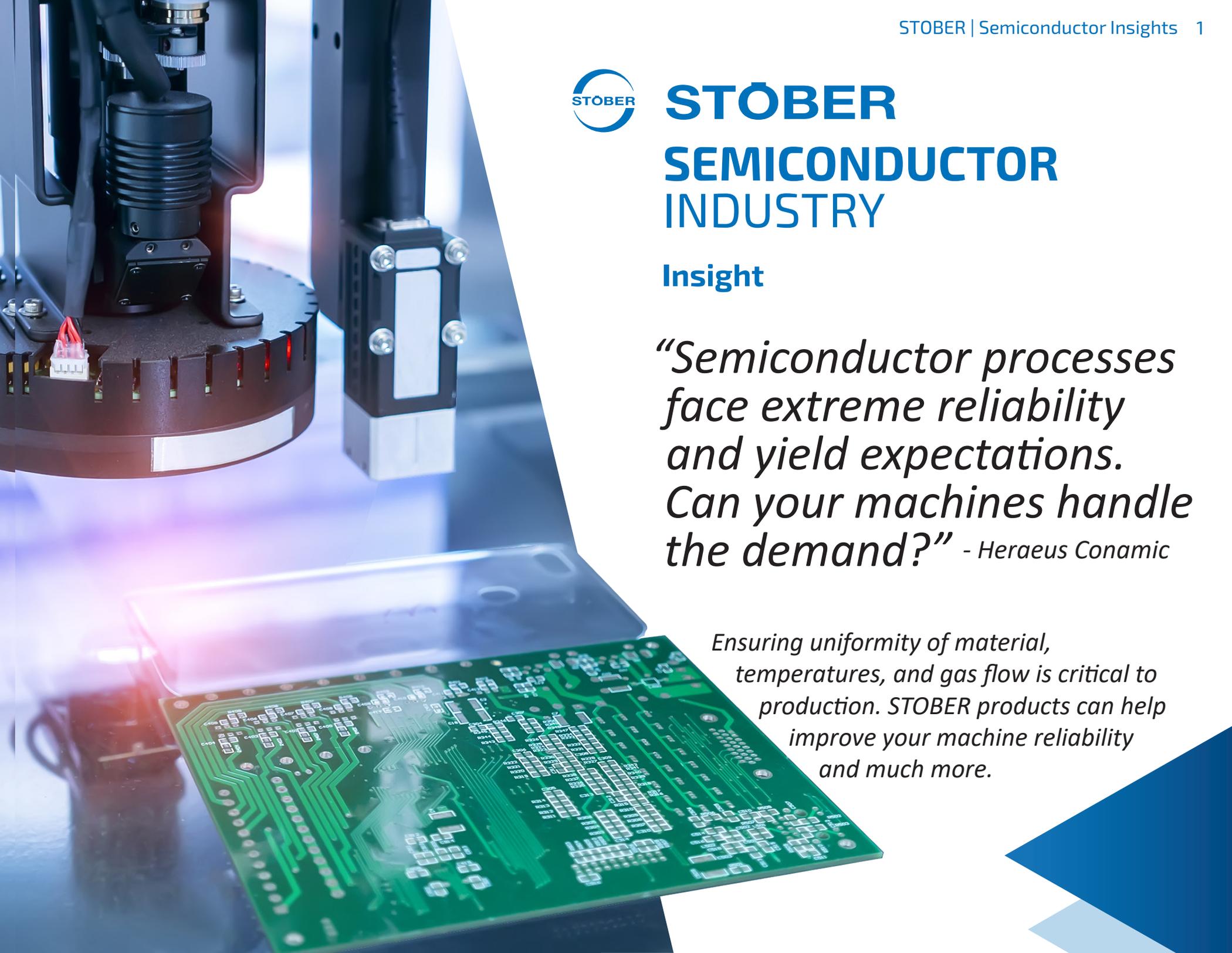


STOBER SEMICONDUCTOR INDUSTRY

Insight

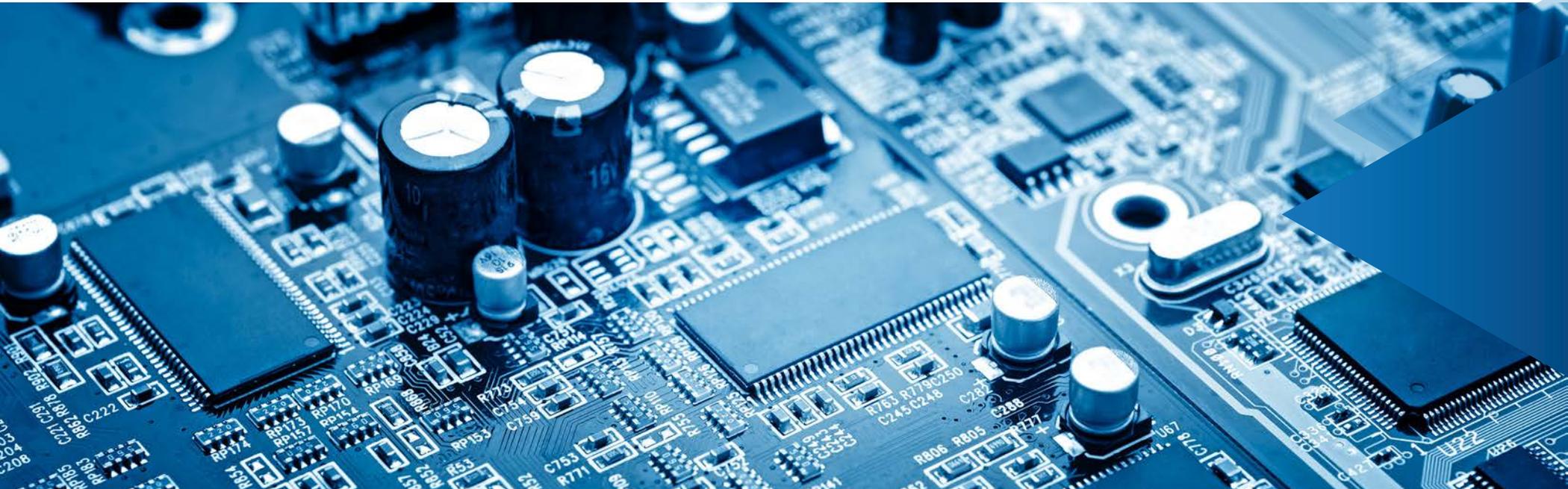
“Semiconductor processes face extreme reliability and yield expectations. Can your machines handle the demand?” - Heraeus Conamic

Ensuring uniformity of material, temperatures, and gas flow is critical to production. STOBER products can help improve your machine reliability and much more.



COMMON CHALLENGES AND PROBLEMS

- 1 Minimize machine footprint
- 2 Increase throughput
- 3 Reduce cost
- 4 Improve reliability
- 5 Part/chip size shrinking
- 6 Torque or speed ripples can limit yield



APPLICATIONS

Chemical mechanical planarization (CMP)

Wafer manufacturing/processing

Surface conditioning

Expose and write

Etching

Ion implant

Sputter

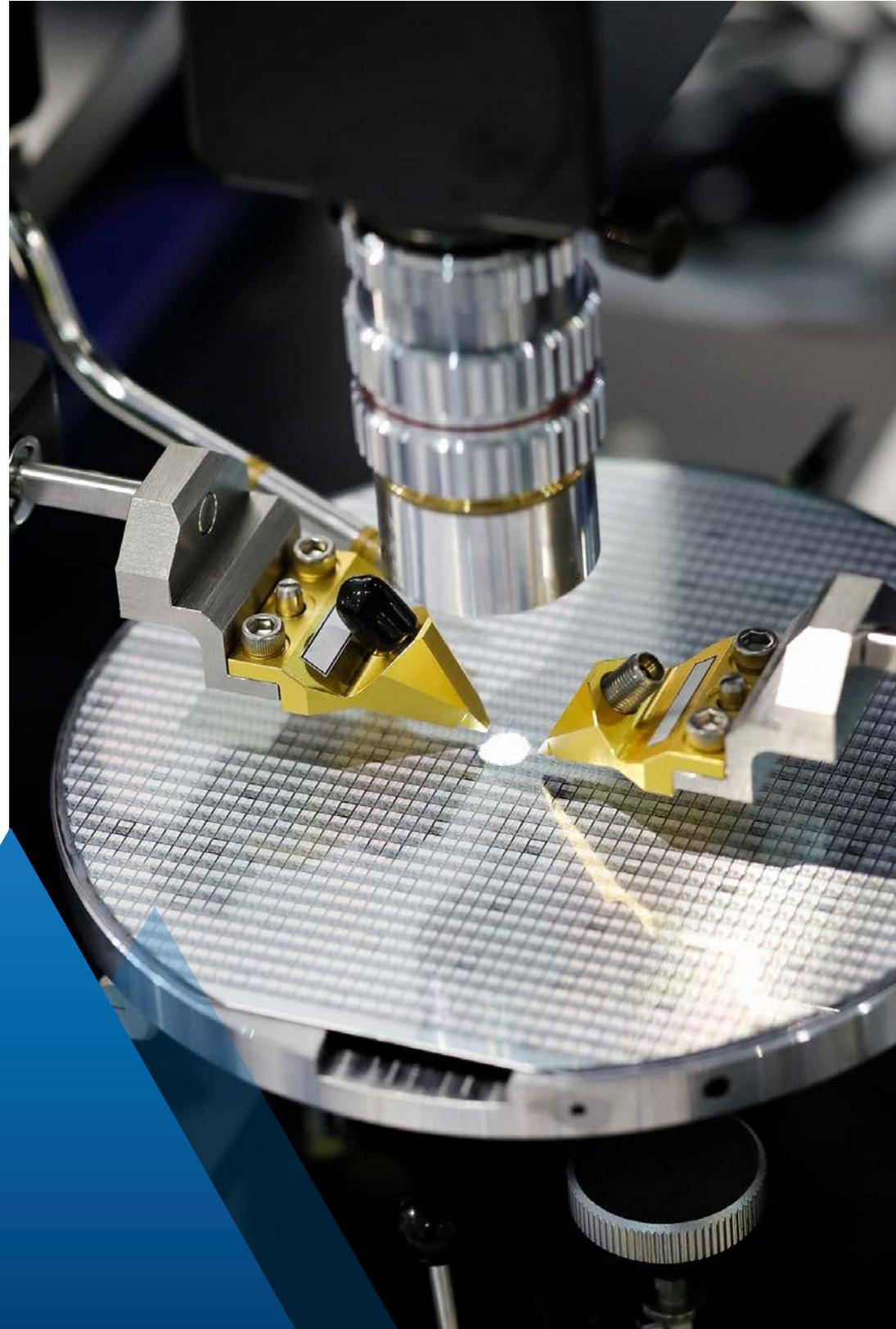
Chemical Vapor Deposition (CVD)

Inspection Measurement

Assembly and Packaging

Testing

Many more - ***We have the experience and product knowledge to solve your problems!***



PRODUCTS OFFERED BY STOBER

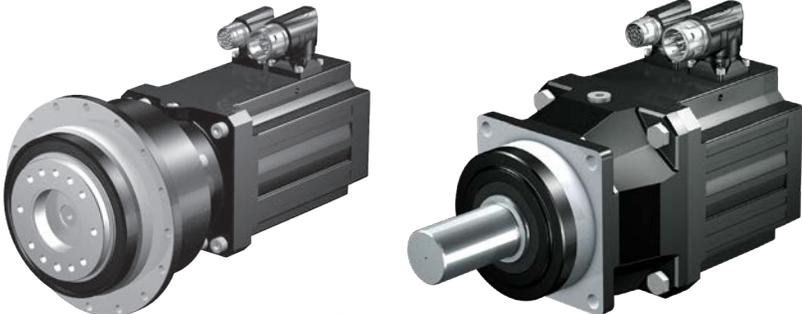
PLANETARY SOLUTIONS



BENEFITS

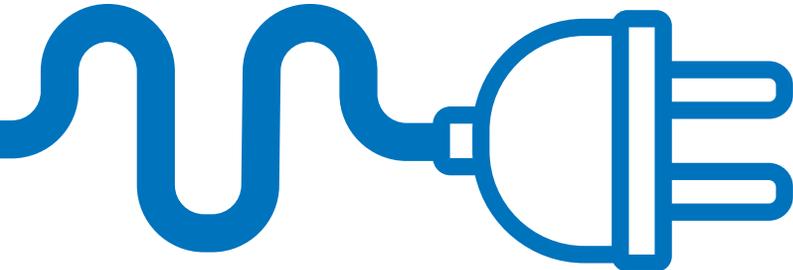
- Extreme torque density
- Longer Life
- Precision design for optimal speed and torque control
- Concentricity - Almost perfect sinusoidal output in speed and torque
- No Leaks- reliability that doesn't compromise clean room integrity
- Extreme rigidity with higher stiffness
- Reduced backlash options for ultimate precision

GEARED MOTOR SOLUTIONS



BENEFITS

- Extreme torque density
- Precise speed control
- High dynamics
- Most compact solution on the market
- No leaks- reliability that doesn't compromise clean room integrity
- Large range of ratios - allowing for downsizing motor and drive combination



PLUG 'N PLAY CONNECTIVITY

STOBER geared motors work with B&R, Beckhoff, Bosch, Kollmorgen, Rockwell, and Siemens drives.

THE STOBER ADVANTAGE

- ▶ Longer Life
- ▶ Fast Delivery- Help reduce time to market
- ▶ 24/7, 365 Support
- ▶ Modular designs to meet very specific requirements
- ▶ Compact Package
- ▶ Extreme Torque Density
- ▶ Reliability - Superior design and quality not only extends the life of the unit, but also lessens the need for maintenance



Eliminate costly oil leaks and save thousands in production cost!

GLOBAL PRESENCE

11 LOCATIONS AROUND
THE GLOBE TO HELP
WHERE YOU ARE

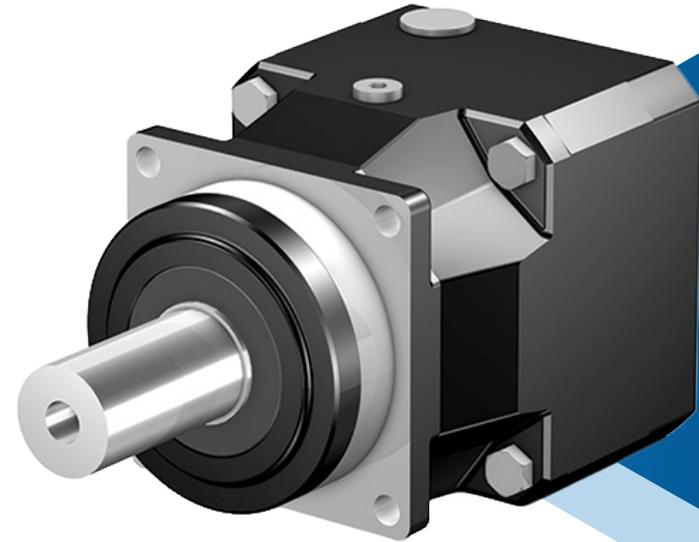


CUSTOMER CHALLENGE

Customer had a chemical mechanical planarization application. The gearboxes they were using for wafer polishing were leaking oil onto the products.

THE STOBER SOLUTION

STOBER provided the only gearhead solution that would not leak in a vertical application. We became the spec for this machine!



STOBER

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STOBER 
CONFIGURATOR

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