



# STOBER MACHINE TOOL INDUSTRY

## Insight

*Accuracy, stiffness, and life are all important in machine tool design. How can you successfully design for all three?*

*STOBER has the knowledge and products to successfully accomplish all three.*



# COMMON CHALLENGES AND PROBLEMS

- 1** Designing high performance machines while competing with low cost alternatives
- 2** Engineering resources spread thin, extending design time
- 3** Minimizing machine envelope while maintaining performance
- 4** Poor finish quality due to lack of stiffness
- 5** Total lost motion compromises final goods



# APPLICATIONS

Carbon fiber tape laying

Horizontal and vertical mills

Flame, laser, waterjet, and plasma cutting

Grinding

Indexing

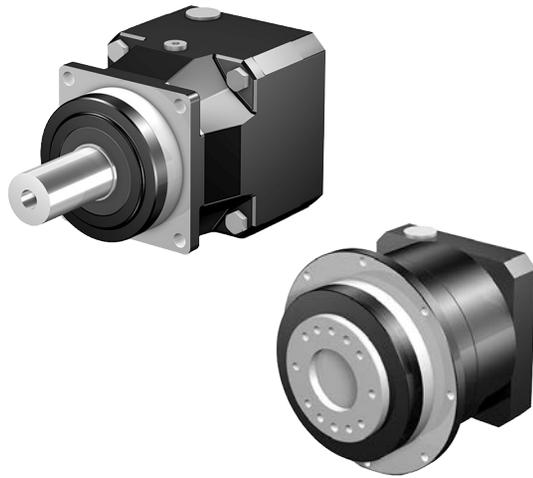
Bending and forming

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



# PRODUCTS OFFERED BY STOBER

## PLANETARY SOLUTIONS



### BENEFITS

*5 YEAR LIMITED WARRANTY*

- Accurate positioning at very high speeds
- No maintenance
- Precise - lowest backlash rating available

## GEARED MOTOR / MOTOR SOLUTIONS

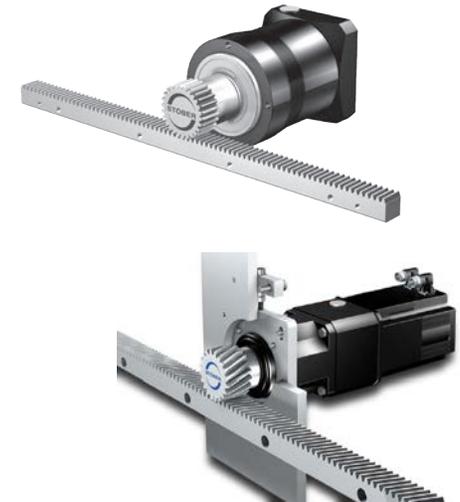


### BENEFITS

*2 YEAR WARRANTY*

- Compact - save even more space with no motor adapter
- One supplier for easier sizing and communication
- Extreme torque density
- Better dynamic performance

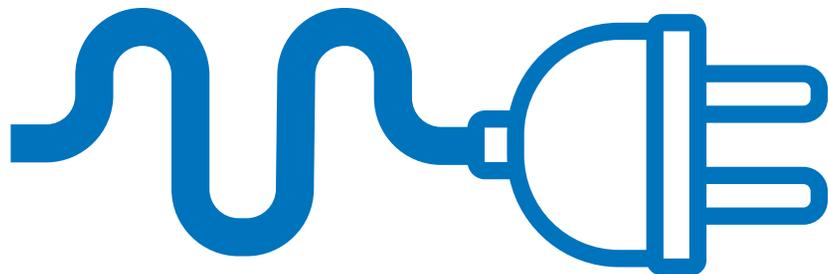
## RACK AND PINION SOLUTIONS



### BENEFITS

*2 YEAR WARRANTY*

- Options for high force or high speed
- All sizing calculations done by STOBER
- Support selecting best ratio and pinion tooth count to maximize throughput



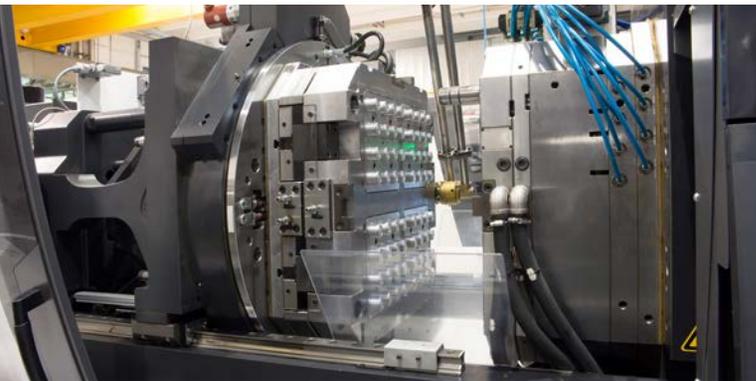
## PLUG 'N PLAY CONNECTIVITY

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
- ▶ Global Application Support
- ▶ Breadth of product to solve any application
- ▶ Knowledge and experience of the applications
- ▶ Minimal Lost Motion
- ▶ Highest Quality Gearing for significantly longer life and performance



## GLOBAL PRESENCE

11 LOCATIONS AROUND THE GLOBE  
TO HELP WHEREVER YOU ARE

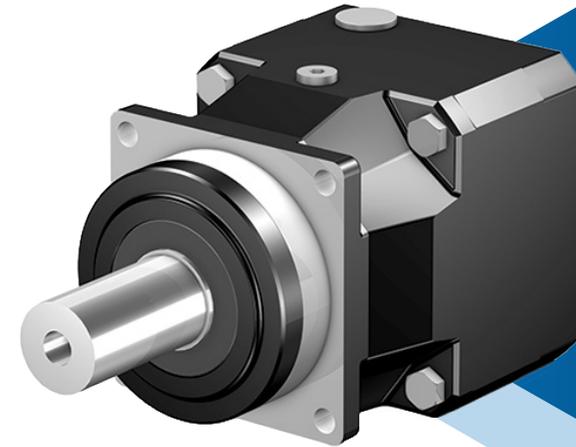


## CUSTOMER CHALLENGE

Customer was designing a machine to lay carbon fiber. The gearbox they were using was leaking oil, costing them thousands of dollars.

## THE STOBER SOLUTION

Our solution was the P Series. Not only did it not leak oil, but it was able to provide the stiffness and accuracy they needed to improve their machine design.



# STOBER

1781 Downing Drive  
Maysville, Kentucky

[www.stober.com](http://www.stober.com)

1.800.711.3588



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CONFIGURATOR

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