

# Float-A-Shaft Gearbox

## APPLICATIONS

### YOU CAN'T FIND A MORE FLEXIBLE GEAR DRIVE

If the distances between take-ups are varied during operation, both shafts can be slid axially through the Float-A-Shaft. They're available in right or left hand drives to meet your exact requirements. And what's more, the shaft's direction is reversible to suit your changing operation.

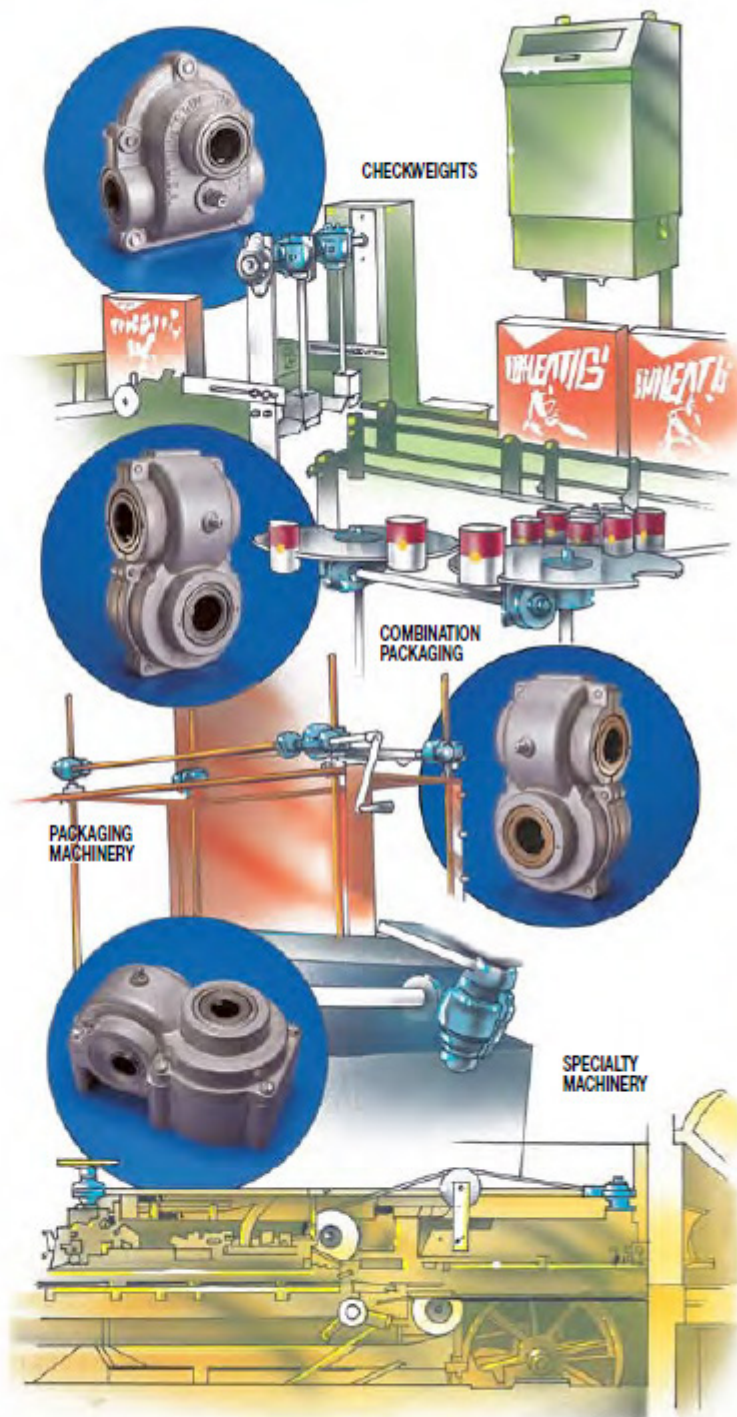
### FLOAT-A-SHAFT IS EASILY INSTALLED

An ingenious installation technique and one piece assembly eliminates coupling and shaft alignment problems.

Tolomatic makes the best right angle gear drives you can buy. We're out to prove that no one can get you around a corner faster than Tolomatic.

*NOTE: Pillow block bearing supports are recommended on all Float-A-Shaft applications. Effectively mounted directly between the Float-A-Shaft unit and the load, the pillow block bearing supports will absorb any shaft deflection or sideloading and assure alignment.*

*NOTE: All Float-A-Shaft units have 3° to 5° of backlash on reversal of input.*



# Float-A-Shaft Gearbox

## INTRODUCTION

### TOLOMATIC IS TURNING THINGS AROUND

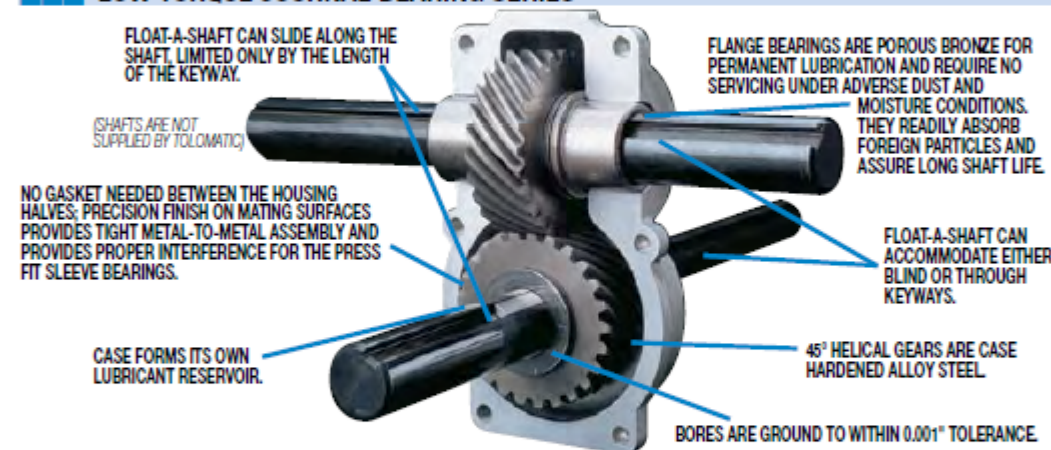
Tolomatic's Float-A-Shaft right angle gear drive was invented 50 years ago, and the competition still hasn't caught up. That's because Tolomatic gearboxes "float" on rotating shafts. Along with the Slide-Rite gearbox, no other design has the versatility, durability, safety, or the ease of operation as Float-A-Shaft.

Float-A-Shaft is a universal right angle gear drive coupling. It consists of two 45° helical gears that mesh at right angles, designed to turn power around any corner. Float-A-Shaft can be operated in either direction and can slide axially along the drive or driven shaft.

A lightweight aluminum housing encloses the gears, serving as a structural support and a lubricant reservoir. The gears mount directly on the shafts through keyways in the gears and shafts. These rugged and durable hardened helical gears have been field-proven for 50 years, assuring dependable operation. Yet with all of that, Float-A-Shaft retains a compact design well suited for use in tight quarters.

Float-A-Shaft's unique floating design maintains perfect alignment. It also eliminates dangerous chain sprocket drives and the additional adjustments required for chain drive applications.

### LOW TORQUE JOURNAL BEARING SERIES



### HIGH TORQUE ROLLER BEARING SERIES

