

ZERO BACKLASH

• 1 ARC-MIN POSITIONAL ACCURACY

Twice the Torque

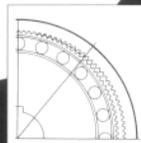
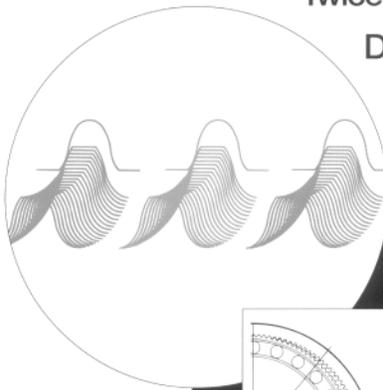
Double the Life

Twice the Stiffness

Patented "S" Tooth Profile



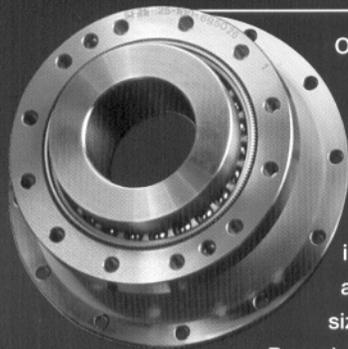
As the world's leader in ultra-precision motion we offer the machine and motion control design engineer the widest choice of harmonic drive gearing solutions. We also offer our customers the most advanced technology, such as our patented "S" tooth profile, hollow shaft units and gear ratios from 30:1 to 160:1. In addition, our new line of Harmonic Planetary® gearheads has gear ratios from 5:1 to 33:1 with backlash of 1 arc-min for the life of the gearhead.



HD Systems has improved the performance of harmonic drive gearing by designing a highly sophisticated tooth profile with benefits unequalled by conventional harmonic drive gearing. Our patented "S" tooth profile offers twice the torque, double the life and twice the stiffness, all in a smaller package, while maintaining accuracy, efficiency and zero backlash.

H a r m o n i c D r

Component Sets:



Offering maximum versatility for the design engineer, a component set is the basic gearing mechanism of a harmonic drive product. It can be incorporated into a customer's housing to achieve a minimum package size. Cup, Hollow Shaft and Pancake Type Component Sets are available in several sizes and gear ratios.

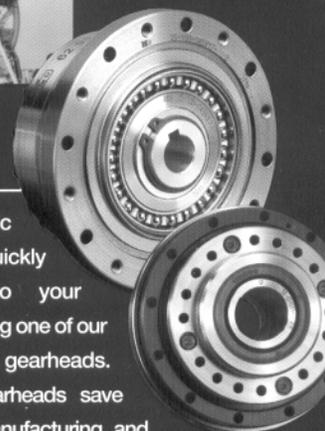
COMMUNICATIONS



Gearheads:

All the benefits of harmonic drive gearing can be quickly incorporated into your designs by selecting one of our harmonic drive gearheads.

These gearheads save design, manufacturing, and assembly effort by providing a suitable housing and output shaft support structure for our component sets. Miniature and hollow shaft units are available in a wide range of gear ratios.



ROBOTICS

