

Application case study

LOW BACKLASH



Turret Indexer

Continued support for clients is vital in helping them get the most out of their investment.

At a recent trade show an OEM customer who had purchased Cone Drive units for use in their turret index reported that the reducer backlash was causing problems. In the interim this had led to the customer to purchase a competitor's product in an attempt to address the problem, although this had not brought any improvement..



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In fact Cone Drive representatives were able to reassure the client that he was already in possession of information on levels of backlash although he was not aware of this fact.

As index tolerances had become more demanding since installation the customer had tried to solve the problem himself without approaching Cone Drive to ask what could be done to reduce backlash. Once the situation had been evaluated, Cone Drive was able to discuss the requirement and supply the customer with low backlash units in subsequent orders. The next order of four 4.000" CD and two 6.000" CD double reductions effectively solved the problem once and for all.

An effective demonstration of teamwork between colleagues was able to turn client dissatisfaction to satisfaction helping to guarantee continued custom in the years to come.



Cone Drive offers three levels of backlash: Standard, low and true zero. Turret winders and unwinders typically experience lost motion as the turret rotates over center. A low backlash reducer can significantly reduce the lost motion. Overall backlash values can be less than one arcminute in a double reduction.



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Other Cone Drive Solutions:



Triple Reduction Reducers

Ratio Range: Up to 216,000:1

Backlash: Standard/ Low (< 6 arcminutes) or zero.

Output Options: Solid, hollow, shrink disc

Motor Adapter: NEMA, Servo

Output Bores: Up to 7 15/16"

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