

Application case study

DECADES OF EXPERTISE

Metal Processing

Rolling Mills

Fenn Technologies manufactures precision engineered Rolling Mills.



In a further demonstration of its unrivalled expertise, Cone Drive has continued a thirty year old relationship with leading machine tool producer, Fenn Technologies.



engineered to keep you moving

Model HP speed reducers

In the latest example of their close co-operation with Connecticut-based Fenn Technologies, Cone Drive supplied double reduction worm gear reducers for a four stand tandem rolling mill which solved a number of practical difficulties as well as guaranteeing high performance.

The mill is designed for the rolling of soft metal plates for car batteries. Primarily the application required drives that could provide high capacity in a quiet and compact package.

However it was the other specialist requirements which made the difference and enabled Cone Drive to seal the order. The double reduction units have a number of features which set them apart from the competition: the right angle geometry makes for a more compact finished product and also the units also have a hollow output shaft which is larger in diameter than anything offered by the competition.



In terms of added value, Cone Drive was also able to facilitate the project for Fenn Industries by providing a shorter delivery time than the competition and helping the customer meet its own delivery times.

Cone Drive's Model HP speed reducers have higher shock resistance, greater endurance to withstand heavy starting and stopping loads, and can easily transmit two to three times as much torque as cylindrical worm gearing. Precision is increased, and backlash, chatter and noise are minimized.

Aside from this project in metalworking machinery, they are ideal for many applications in printing equipment and packaging machinery, mining equipment, and many others. Model HP double reduction worm gear speed reducers combine multiple single reduction speed reducers into one assembly. These units are built using true double-enveloping worm gearing and each of the gear sets is supported by heavy-duty tapered roller bearings and housed in its own heat dissipating housing.

Cone Drive assembles its Model HP double reduction speed reducers to order from standard Cone Drive parts offering a high level of interchange ability of parts - an important factor in permitting rapid manufacturing and delivery to customers.

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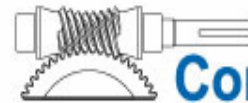
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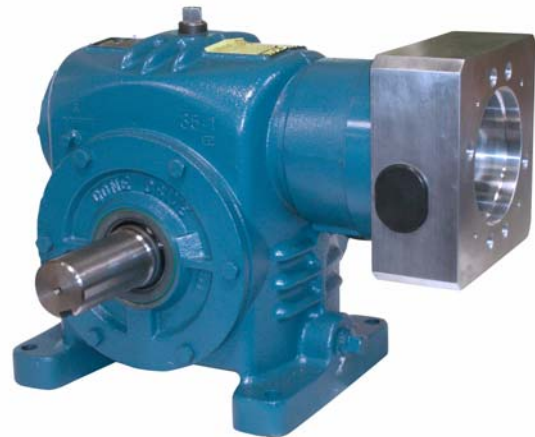
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engineered to keep you moving



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