

GEAR UNITS IN WAR ON TERRORISM



The transport device of a huge security scanner is using a geared motor unit supplied by Cone Drive.



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David Brown : Series K07 Geared motor

The K Series servo gear unit was chosen above the competition for two main reasons - its high capacity within such a limited volume, and its right angle configuration which permitted a more compact transport mechanism. An in-line device would have projected from the side in an undesirable manner.

For positional accuracy the platform is driven by a servo motor rather than an ac motor.

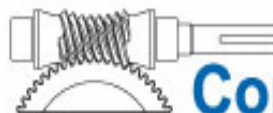


To counter potential threats concealed inside containers, this Cone Drive customer specializes in the design of scanner devices that can detect the presence of radioactive materials. Such is the mass of the device, which is heavily shielded with lead, that the designers have found it more practical to move the container while the scanner remains stationary. A David Brown Series K geared motor is at the heart of the solution, driving the transport mechanism.

The Series K geared motor is designed with integral cast feet for base or end mounting and can be offered with single or double extended output shafts. Units are also available shaft mounted or with output flanges and are available for mounting horizontally or vertically.

This product takes advantage of many years of accumulated design expertise together with the use of high quality materials and components.

The end result is a series of speed reducing geared motors offering high load carrying capacities, increased efficiency, quiet running and reliability.



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