



Winches Used to Pull Cable Through Casing

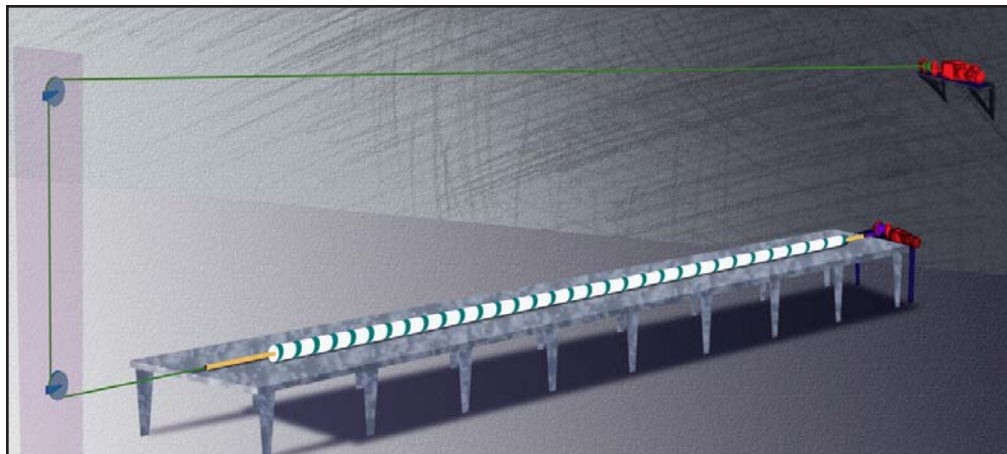
Thern winches contribute to operations in the manufacturing sector where line tensioning is required as part of specialized processes.

A cable manufacturer uses Thern units to help pull kevlar fiber cable through casing. Winches are positioned to create a closed-line system and work in tandem. The first winch sits at the front end of the work station and cable runs out from the winch along the length of the station before reaching a sheave at the far wall. The cable then is directed to the ceiling where it doubles back along the ceiling to the second wall-mounted unit which pulls in the cable as it is fed out from the first. Working in tandem, the winches allow operators to maintain desired line tension throughout the casing process.

Each winch has an electrically released clutch to allow it to free spool as the other winch pulls the kevlar cable in through the casing.



Hand winches are also employed for this type of process where manual control is desired or required. Spur gear hand winches are set up in pairs, one at either end of the assembly station, and cable travel is controlled similar to the automated electric winch configuration.



Left: Winches are set up creating a closed-system for the cable. This allows operators to carefully control and the cable the desired line tension to be maintained throughout the casing process.





Above: Winches are specially designed to maintain the proper amount of tension during the manufacturing process.

Below: Spur gear hand winches are also used to tension lines.



APPLICATION DETAILS

Lifting or pulling:	Pulling
Line pull required:	2,500 lbs
Line speed required:	20 fpm
Travel distance of load:	60 ft
Power source:	460/3/60
Installation requirements:	Base mounted
Environment:	Indoors
Frequency of operation:	Continuous

