

The MGS Group



SEMI-AUTOMATIC DUAL CANTILEVER SHAFT TAKEUP SYSTEM

MGS Dual Semi-Automatic Takeup Systems are known for their robust build and product and reel versatility. Equally well suited running conventional cables or sophisticated fiber optic products.



Maximum/Minimum Reel Diameter - 36"/ 12"*
(*hand loading or ramp < 20")

Maximum Traverse – 20"

Maximum Reel Weight – 1,000 pounds with 3" Arbor

Cutter / Feeder (Semi-Automatic Option)

The capstan wheel will be driven and coordinated with a cutter to feed the desired length for starting the next reel. All functions are controlled through the PLC and adjustable through the operator interface. Product cutter is sized for your full range of products.

Spindles

Spindle mechanisms are designed for your application. AC Spindle Drive, gearing and stopping brake are specific to your requirements. Interchangeable reel shafts support machine versatility.



Digital Lock Traverse System

Our digital lock traverse control system allows the operator to dial in the exact traverse lay required. Flange limit position and traverse lay will be set on the operator interface. A manual override will be provided to allow the operator to make adjustments during operation. Each spindle traverses by means of ball screws driven by a Servomotor.

A rapid traverse feature allows the traverse to be moved to one side for starting purposes

Reel Handling

To provide ease of handling of large reels, each reel shaft and drive assembly raises and lowers. This feature positions the shaft to place the reel at floor level for ergonomic loading and unloading. The spindle shafts are left at upper positions for the smaller, lighter reels typically handled by hand or from a cart.

Product and Reel Recipe System

A fully interactive recipe system allows the operator to set up packages once and store the settings for future use. Reproduce them later with the touch of a button.

ADDITIONAL OPTIONS:

Reel Upender

As reels are presented from the machine on their flanges, this option upends each reel into the 'eye to the sky' presentation. This allows for the operator to pick the reel with a hoist to palletize.



Stretch Wrap Assist

Two stretch wrap stations near each spindle facilitate the wrapping of each reel after winding is complete. A jog button/pedal is conveniently located to assist the operator with the process.



Interchangeable Coiling Heads

When coils are required, MGS offers coil heads with manually actuated release of product from flanged collapsible system. Each head is mounted in place of the shaft with four bolts to secure to spindle. The coiling heads are designed as a removable unit so that other size coiling heads or shafts for reels can be used to maximize machine flexibility.



MGS / HALL designs and manufactures product handling solutions which include Payoffs, Takeups, Dancers, Accumulators, Measuring Machines, and Capstans to handle most any product from sensitive optical fiber to 1000MCM (507-mm²) power cable. We also can handle odd shapes, tubing, ribbon, and tape.

Our Automatic and Semiautomatic Takeups are extremely reliable for on-line packaging of a wide range of products and reels at high speeds, resulting in significant cost savings. Machines that are built to meet the specifications of the individual customer is a characteristic of MGS/HALL systems. Comprehensive design and engineering capabilities together with meticulous manufacturing techniques and careful testing assure customer satisfaction. Some say we design machines with the user in mind. We like to think we're in the business of solving problems for other business –like yours!

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www.themgsgroup.com | sales@themgsgroup.com | 315-337-3350

MGS Manufacturing
122 Otis Street
Rome, NY 13441 USA

Hall Industries
8C Commerce Drive
North Branford, CT 06471 USA

Northampton Machinery Co.
7 Deer Park Road
Northampton NN3 6RX England