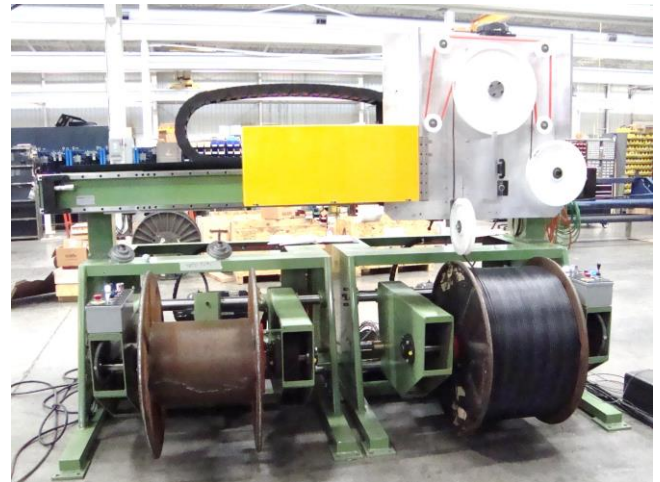


*The MGS Group*



# SEMI-AUTOMATIC MOVEABLE ARM TAKEUP SYSTEM

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



**Versatile Reel Range from 30" to 120" Diameter;  
All Products from 18 awg to 1000 MCM**

### **The Dual Semi-Automatic Moveable Arm Takeup**

The system provides full range of capability to semi automate handling of a great range of larger reel sizes. MGS places two MA style takeups side by side with a common traverse and capstan wheel to reduce the amount of operator handling and time required to load, cut and transfer cable lengths. With state of the art controls and HMI interface, the operator interaction is safe and efficient.

### **Cutter / Feeder (Semi-Automatic Option)**

The traverse frame capstan wheel is driven and coordinated with a cutter to feed the desired length for starting the next reel. The cutter is sized to cut your full range of products.



### **Drive Arm and Spindle Adapters**

Each drive arm is driven by an AC Drive. Suitable gearing and a stopping brake are included. The pintle adapters are interchangeable, with one size being included.

### **Digital Lock Traverse System**

Each spindle traverses by means of ball screws driven by a Servomotor. Our digital lock traverse control system is used which 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.

### **Ergonomic Reel Handling**

This system facilitates operator ease, handling large to small reels, as the lift arms raise and lower through simple joystick control. This feature allows the spindles to position the reel just off the floor for loading and unloading.

### **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. Use them later with the touch of a button.

### Common Traverse and Length Measurement

This system uses a common traverse and clamping/transferring/feeding device with cable cutter and guiding for your specified product range. A belt capstan will be driven and coordinated with a cutter to hold the product and feed the desired length for starting the next reel. An encoder is mounted on the capstan wheel shaft to measure length. A signal is sent to the PLC to show readout and preset functions on the touchscreen.



### Sequence of Operation

When the first reel has reached length and has come to a stop, the product is automatically clamped, cut, indexed to the start position of the next reel and a predetermined length is fed out. The operator manually attaches the end to the reel. The second reel is then ready for winding.



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-mm<sup>2</sup>) 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!

***The MGS Group***

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