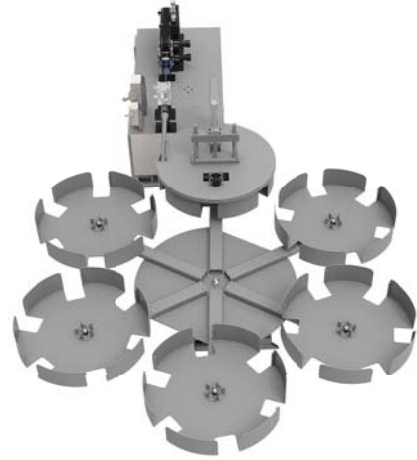


# Plant Production Equipment

**Precision-Hayes International's** Plant Production Equipment provides customers with tailored solutions suited to meet their unique tendon extrusion and fabrication needs.

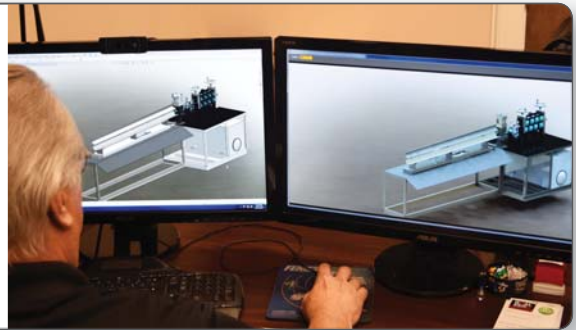
With over 25 years of experience building Plant Production Equipment, **Precision-Hayes International** has developed an in-depth expertise providing highly durable and efficient solutions.

Whether expanding or upgrading an existing line or building a new one, our knowledgeable equipment team is here to help in both the design and maintenance aspects.



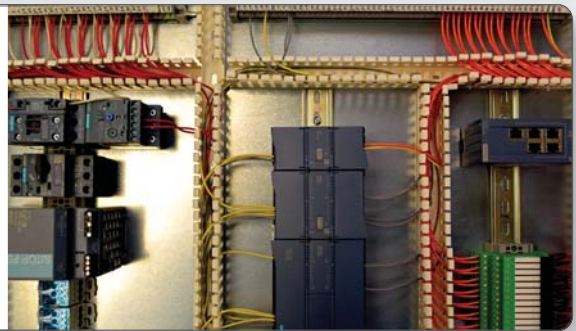
## **CUSTOM DESIGN and ENGINEERING**

Our in-house team of engineers and technicians combine their knowledge of tendon production, hydraulic, electric, and mechanical systems to tailor system controls to match unique customer requirements.



## **EQUIPMENT FABRICATION**

All hydraulic, electronic and mechanical fabrication along with programming are done in-house, ensuring the highest standard of quality is met.



## **SERVICE TEAM**

Our experienced service team can help design new equipment to customer specifications, as well as provide maintenance on existing equipment.



## Complete Line Build and Installation



- **Built with all the necessary components: pumps, vacuum loaders, drawer magnets, water cooling systems, grease applicator and take-ups**
- **Durable and field tested hydraulic take-ups**
- **Lines are available in several configurations including: Single or dual pay-offs, various extruder sizes, cooling trough lengths, cooling systems, single or dual take-ups**
- **Upgraded, state-of-the-art industrial control screens and PLC systems by Siemens**
- **Individual components are also available for upgrade of existing lines**

Strand Sizes:

**0.50 and 0.60 inch**

Pay-offs and Take-ups:

**Single or Dual**

Grease Applicators:

**Flow-regulated**

### Siemens Touch Control Screens



New Siemens industrial touch control screens are durable and easy to use, featuring an IP65 protection rating. The new control screens also enable a back-up automatic line shutdown feature. This back-up feature activates during machine failures, abrupt speed changes and at the ends of the coil.

Can be customized to fit your needs



▼ *Our take-ups are specifically designed to optimize the post-tension cable extrusion process.*



▼ *Multiple extruding heads available depending on customer need.*



# Cutting Line

## Complete, Custom-Built Systems



- Accurately control length by automatically measuring and shearing the strand
- Swiftly and easily perform material changes with available single or dual pay-offs
- Dual shear upgrade allows customers to cut two cables at one time
- The semi-automatic tying machine upgrade decreases labor
- Make clean end cuts of 0.50" and 0.60" PC strand with hydraulic shears
- Minimize downtime with easy access to rotate or change shear blades
- Local or remote data input is available

Standard Tub Layouts:

**2, 3 or 4**

Strand Sizes:

**0.50 and 0.60 inch**

Pay-offs:

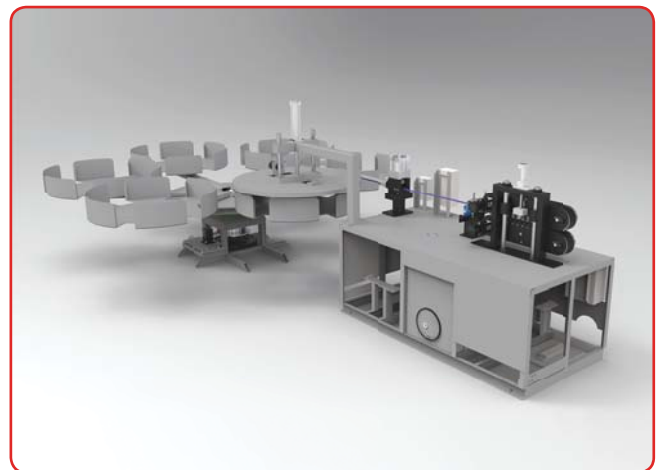
**Single/Dual  
Vertical/Horizontal**

Can be customized to fit  
your needs



### New HYDRA Indexing Multi-tub Cutting Line

The new HYDRA is safer, faster and more efficient than other cutting line models. The indexing tubs further reduce downtime and allow for assembly line style production, increasing efficiencies. Optional upgrades include an electric/pneumatic stripper, semi-automatic tying machine and an easy arm hoist. These upgrades increase efficiencies and reduce injuries caused by repetitive tasks. The HYDRA will also feature a refreshed data input interface which will work with multiple cut list formats and will be able to store a digital log online.



▲ Rendering is representative and does not show safety barriers

## Strand Anchor Fabrication Lines and Assembly Table

Geotechnical strand anchors require specialized production equipment. We provide equipment built with knowledge of the industry requirements. Precise measurement and cutting, along with either half-pipe or rolling tables, make anchor assembly efficient.

We provide high quality equipment for coiling and uncoiling anchors that is proven durable and reliable.



## Cable Bolt Fabrication Lines

We build automatic cable bolt fabrication equipment for the mine supply industry. These lines include strand pay-off, measuring and cutting stations, providing accurately cut pieces for further fabrication into roof bolts.



## Cable Sheathing Stripper

Electric/Pneumatic device to remove sheathing during fabrication. It can be adjusted to cut at variable lengths. This sheathing device is safer than many common alternatives, as users do not need to use razor knives and other unsafe cutting tools.



## Dead End Seating Equipment

We build complete anchor seating systems that include the required hydraulic pump, seating ram, steel work bench, gauge and hoses. We provide either "push" or "pull" systems with horizontal or vertical orientation, according to the customer's need.



## Semi-Automatic Tying Machine

This machine ties individual tendons quickly without the need to have drills and other tying tools. It also reduces labor and is safer, reducing repetitive wrist injuries. This machine is sold as an add on to cutting lines or separately.

