

Upgrades And Rebuilds

Overview

Davis-Standard's global offering of equipment upgrades, spare parts and service provides optimum performance for your extrusion equipment. By listening to customers and observing market trends, we offer access to the latest aftermarket equipment and extruder refurbishing services.

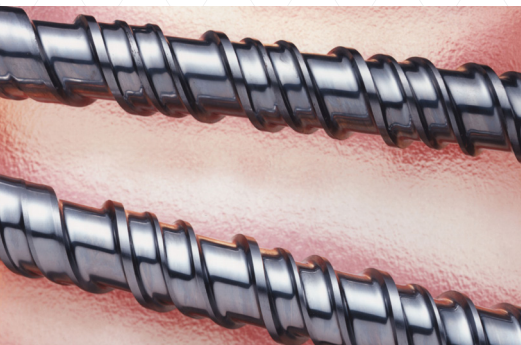
Whether you need to add new capabilities or upgrade existing equipment, Davis-Standard offers spare parts and modernization packages to support cost-effective results with a fast turnaround. These include current drives and controls as well as a menu of services to keep production efficiency a priority.

Available 24 hours a day, seven days a week, our service technicians are experts at addressing extruder parts inquiries and solving emergency service issues.

Services

- New die and head upgrades
- Extruder upgrades
- Feedscrew replacement and rebuilding
- Gearcase retrofit package
- Process control upgrades
- L/D conversions
- Air-to-water conversion packages
- Internal diameter increase (IDI) conversion packages
- Complete line upgrades

Product/Industry Overview



Die and Head Upgrades

Whether you use crossheads for the wire and cable industry or blown film dies, our heads and dies provide years of dependable operation. Each head is engineered and manufactured by Davis-Standard to meet your process requirement.

Extruder Upgrades

Upgrading an existing extruder can boost profitability. We will evaluate your extruder and provide options for improving operating efficiency and output. Our upgrade options can bring outdated machines up to current standards.

Feedscrew Replacement and Rebuilding

Our new feedscrews range from 3/4-inch (19mm) to 12 inches (305mm) with virtually any L/D. Our screw designs are known for superior performance and mixing qualities. In the case of screw rebuilds, we engineer your feedscrew back to its original performance characteristics. We also polish and chrome plate our screws to accommodate food-grade PVC polishing, or use hard chrome for industrial requirements.

Gearcase Retrofit Package

The gearcase is one of the most essential elements of the extrusion process because it provides the torque needed for high outputs. We overhaul gearcases so that your extruder maintains optimal processing efficiency. We can adapt your machines with Davis-Standard gearcases.

Process Control Upgrades

We can upgrade or replace any controller, including competitor brands, and keep downtime to a minimum. This includes upgrades ranging from heat panel replacements on discrete controllers to installation of state-of-the-art EPIC III® supervisory control systems.

L/D Conversions

If you have an extruder that requires a longer L/D, we offer a variety of conversion packages to upgrade older extruders at a minimal cost. A longer L/D gives processors the versatility to expand their technological capabilities.

Air-To-Water Conversion Packages

Cooling conversion packages are available for extruders from 1 1/2-inch to 6 inches (40 to 150mm). Water cooled extruder conversions provide better temperature control than air cooling conversions in situations where ambient temperature has no effect on the process. A water to air conversion is required when plant water supplies are of poor quality or non-existent.

Internal Diameter Increase (IDI) Conversion Packages

By increasing your extruder diameter, you can increase your production capacity. Davis-Standard technicians can come to your plant to replace your extruder barrel, feedsection, screw and breaker plate. Everything else remains the same.

Complete Line Upgrades

We can upgrade an entire extrusion line from the extruder through downstream equipment to meet changing process demands. We dismantle, rebuild or replace each piece of equipment or component on an extrusion line. Then, we test the line prior to shipment to ensure your system is installed quickly and efficiently.