



*"The Systems Solution People"*

EXTRUSION EQUIPMENT

A photograph of an industrial aluminum extrusion facility. The image shows a long, narrow aisle with a corrugated metal ceiling and walls. The floor is dark and reflective. The lighting is warm and yellowish, creating a sense of depth and scale. The perspective is from a low angle, looking down the aisle towards the end.

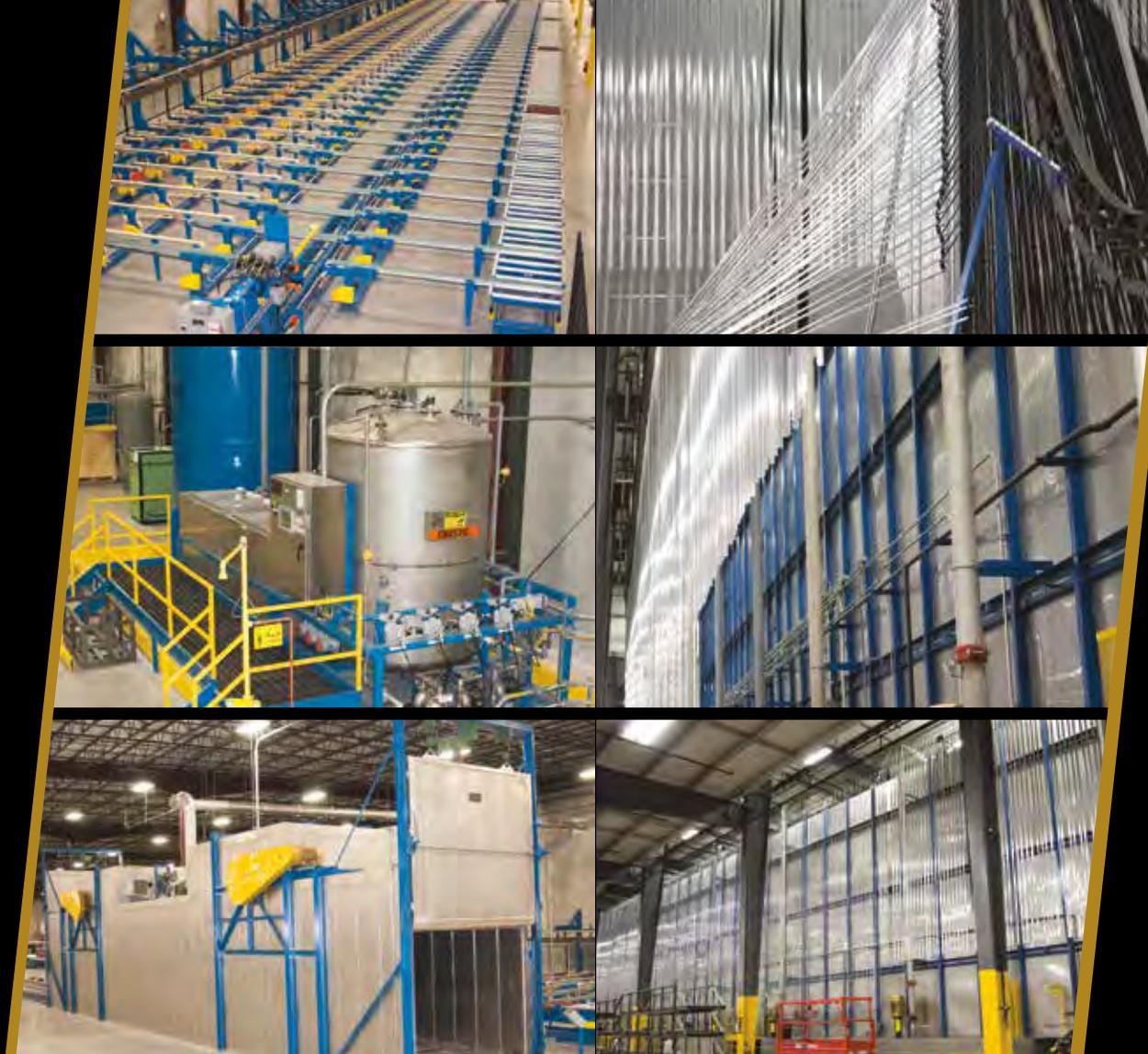
**WE ARE  
WITH YOU AT  
EVERY STEP,  
FROM START  
TO FINISH.**

## **FROM THE DRAWING BOARD TO YOUR SHOP FLOOR.**

Our expertise focuses on extrusion systems for the aluminum industry, supplying furnaces, hot log saws, handling systems, die ovens, age ovens, and pullers to name a few. Paint and powder finishing operations profit from our design and manufacture of custom washers, ovens, paint spray booths, and air make-up units, our finishing systems are ideal for the aluminum extruders in this market. We provide complete turnkey systems. Our strength can be attributed to our diversified product line and our willingness to respond to the growing and changing demands of the industries we serve.

# EXTRUSION & FINISHING AT A GLANCE

Customers looking for a total package solution to meet their specifications can count on Belco's complete turnkey systems. With every system or piece of equipment, we provide our customers with quality products, exceptional service, and on-time deliveries.



## EXTRUSION

FURNACE EQUIPMENT

PRESS EQUIPMENT

HANDLING EQUIPMENT

OVEN EQUIPMENT

DIE CLEANING SYSTEMS

PACKING LINE EQUIPMENT

## FINISHING

COMPLETE FINISHING SYSTEMS

PRE-TREATMENT EQUIPMENT

OVEN EQUIPMENT

MATERIAL HANDLING

SUPPORT EQUIPMENT & SYSTEMS

# FURNACE EQUIPMENT

Belco Industries has been on the cutting edge of furnace technological development for decades as the first to introduce and patent the four-hole probe and hot log saws. We provide custom sizes to meet your needs and requirements.

- Billet / Log Loading Tables & Pusher Conveyor
- Billet / Log Washer
- Billet Brush Cleaning Machine
- Log Welders
- Billet / Log Furnace
- Hot Log Saws
- Billet Transfer Conveyor
- Billet End Lubricator





# PRESS EQUIPMENT

As a system integrator, Belco is able to design, engineer, or manufacture accessories for your press from a wide variety of billet loader styles to the butt scrap conveyor.

- Billet Loaders to Press Container
- Billet Butt Conveyor
- Nitrogen Gas Generator Units

# HANDLING EQUIPMENT

Belco Industries is a leading manufacturer of aluminum extrusion handling systems that offers complete design engineering and installation services. With over 50 years of industry experience, we have designed and installed systems to handle all shapes and sizes of extrusions. At Belco, we know that one size doesn't fit all, so we provide custom designs for your needs using a wide range of equipment types.





# LEAD OUT EQUIPMENT

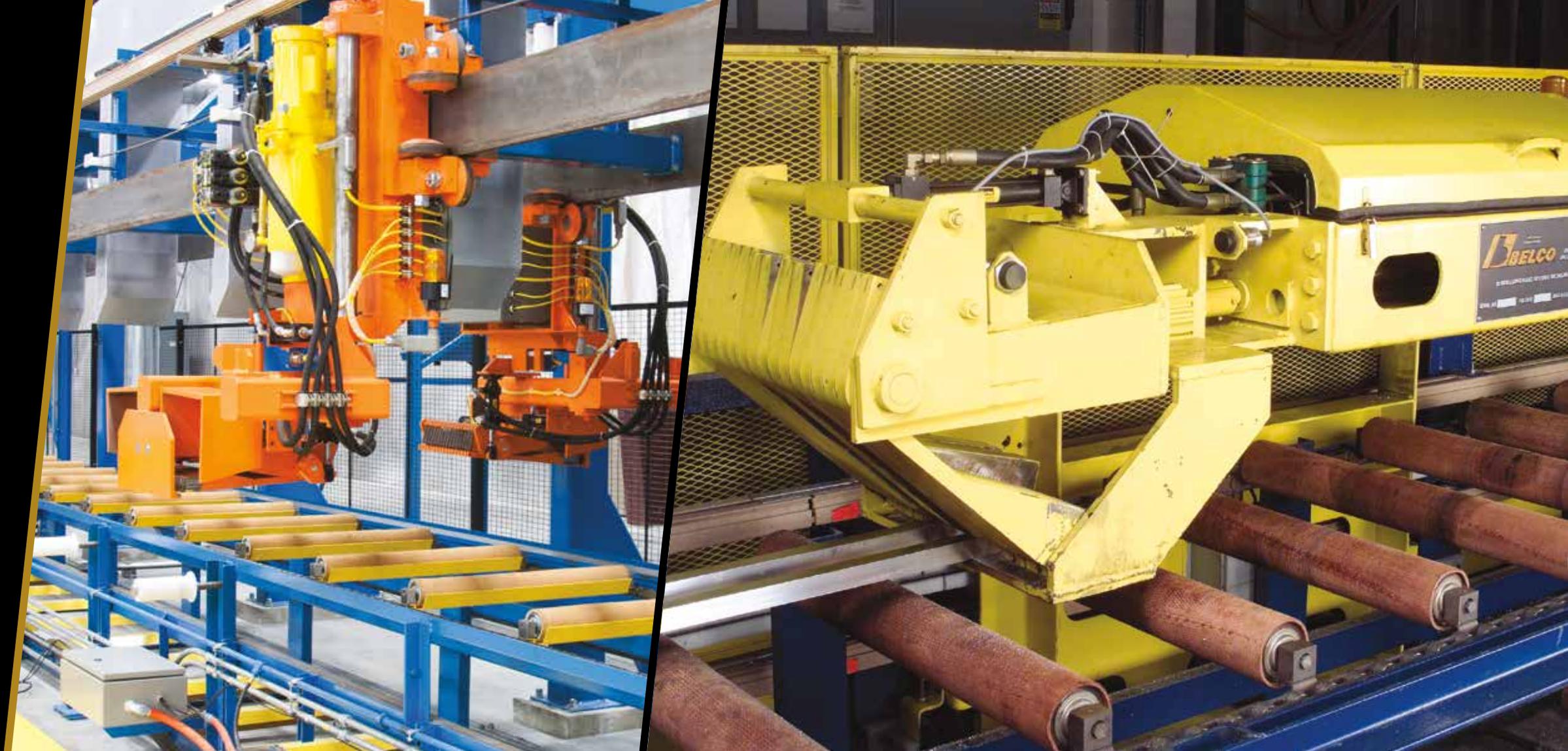
Belco can supply all your Lead Out Equipment needs, from a high-pressure water spray quench system to a cut-on-the-fly hot saw. Belco builds many different styles of quench systems, including high-pressure air/water spray and standing wave systems, to fit your quenching needs.

- Lead Out Table
- Flood Quench
- High Pressure Quench
- Hot Extrusions Shear
- Hot Extrusion Saw
- Over Table Cooling Fans
- Under Table Cooling Fans
- Over Table Duct Cooling
- Under Table Duct Cooling

# EXTRUSION PULLER

Belco's pullers range from a lightweight, cable-driven design to a heavy-duty chain driven drive. Dual puller is designed as a bypassing-type puller with no handing off from one puller to the other.

- Single Head
- Dual Head
- Flying Hot Extrusion Saw





# RUN OUT EQUIPMENT

Belco has designed simple run out equipment, from a chain-driven roller system to an idler roller conveyor system. The conveyors are designed to lower the material onto cooling tables for quick and gentle transferring of the product.

- Run Out Slat Conveyor
- Driven or Idler Roller Conveyor

# COOLING TABLES

All of Belco's cooling table systems feature aluminum extrusion beam construction and utilize only the most recent belt and power transmission technology.

- Liftover Transfer Arms
- Walking Beam Cooling
- Rolt Cooling
- Block Cooling
- Transfer Belt Cooling
- Belt Cooling
- Stretcher Feed Belt
- Traversing Beam





# STRETCHERS

Belco stretchers are hydraulically operated and use the latest in PLC control technology. Cam-style clamping heads with optional automatic stretch-to-length operation will be provided. Belco offers an assortment of configurations including one, two or no-man operations.

- One, Two, or No-man Operation
- Detwist and Non-detwist

# STORAGE TABLES

Belco storage tables receive profiles from the stretcher and batches the material for the transfer to the saw feed table. Soft vee-guided belts reduce scratches and dents on the profiles and quickly transfer the batch to the saw table. Optional automatic batching and feed systems help to increase output while minimizing manual handling.

- Walking Beam Storage
- Belt Storage
- Belt Transfer





# SAW INFEEED CONVEYOR

Belco saw feed conveyors automatically feed the profiles into the saw and gauge table. The conveyors are either driven roller type or gravity rollers with drive belts; both conveyor designs have the raise/lower style system for smooth transfer from the storage conveyor.

- Gravity Roller
- Driven Roller

# FINISH SAW & GAUGE TABLES

Belco works closely with its sister company, B&O Saws, in providing high quality finish cutoff saws and gauge tables. Gauge table systems are custom designed for your particular needs from a fully automatic stacker to a manual positioning gauge stop. Belco supplies simple profile off load belts and inspection belt conveyors.

- Finish Saws
- Chip Collector
- Gauge Tables
- Off Load Belts
- Automatic Stacker
- End Scrap Conveyor





# OVEN EQUIPMENT

Belco supplies a wide variety of ovens from small single cell die ovens to large heat treat ovens. Ovens are available with a choice of gas or electric heat. Custom conveyor systems to transfer material racks into and out of the ovens are supplied, with rack stacking and destacking systems.

## DIE OVENS:

- Chest Type
- Drawer Type
- Single Cell Type
- Die Storage Racks

## AGE & ANNEALING OVENS

- Single End Flow
- Dual End Flow
- Reversing End Flow
- Cross or Side Flow

## SUPPORT EQUIPMENT:

- Oven Conveyors
- Oven Racks
- Oven Carts
- Rack Stacker

# DIE CLEANING EQUIPMENT

Belco die cleaning systems are designed to allow the operator to place loaded baskets containing extrusion dies into the cleaning tank for the purpose of cleaning the aluminum from the steel die. This process relies on a chemical reaction between the high pH pre-heated solution of sodium hydroxide and the aluminum.

- Automatic Die Cleaning Systems
- Automatic Cranes for Die Cleaning Unit





# PACKING LINE EQUIPMENT

Belco's packing lines are semi-automatic systems that will speed up the way material is packed. The system includes a banding station and bundle scale right in line with the equipment.

- Adjustable Packing Stations
- Driven Heavy Duty Roller Conveyor
- Banding and Scales In-line
- Rolldown Shipping Platform

# COMPLETE FINISHING SYSTEMS

As a complete system integrator, there are not many companies that have a more diverse history than Belco. Systems for the Architecture, Office Furniture, Automotive, Aerospace, Recreational Vehicle, and Appliance industries are just a portion of what we do.

- Vertical Aluminum Paint Systems
- Vertical Aluminum Powder Coating Systems
- Horizontal Aluminum Paint Systems
- Horizontal Aluminum Powder Coating Systems





# PRE-TREATMENT EQUIPMENT

Belco's pretreatment systems are the most robust in the industry. Stainless steel and mild steel construction are standard with other materials available upon request.

- Multi-stage Inline Wash Systems
- Batch Type Immersion Systems

# OVEN EQUIPMENT

Belco ovens are completely manufactured by Belco. Support steel, oven panels, ductwork, controls, and trim all in house. We add the combustion equipment and fans, and the oven is then complete.

- Inline Moisture Drying Ovens
- Inline Paint/Powder Cure Ovens
- Batch Ovens
- Top Load Ovens
- Burn Off Ovens





# MATERIAL HANDLING

Belco works with all the top conveyor suppliers to provide a wide range of material handling concepts for the finishing industry.

- Overhead Monorail Conveyor
- Overhead Power & Free
- Manual Trolley Systems
- Load/Unload Feed Systems

# SUPPORT EQUIPMENT

To round out our complete integration capabilities, we include all of the different components it takes to complete the system, including installation and startup.

- Omega Style Extrusion Paint Booths
- General Industrial Paint Booths
  - Water Wash
  - Dry Filter
- Air Make Up Systems
- VOC Abatement Systems
- Paint Application Systems
- Paint Supply Systems
- RO & DI Water Systems
- Waste Treatment Systems





Belco Industries, Inc. 9138 West Belding Road | Belding, Michigan 48809, USA  
(616) 794-0410 | email: [belco@belcoind.com](mailto:belco@belcoind.com)  
[www.belcoind.com](http://www.belcoind.com)