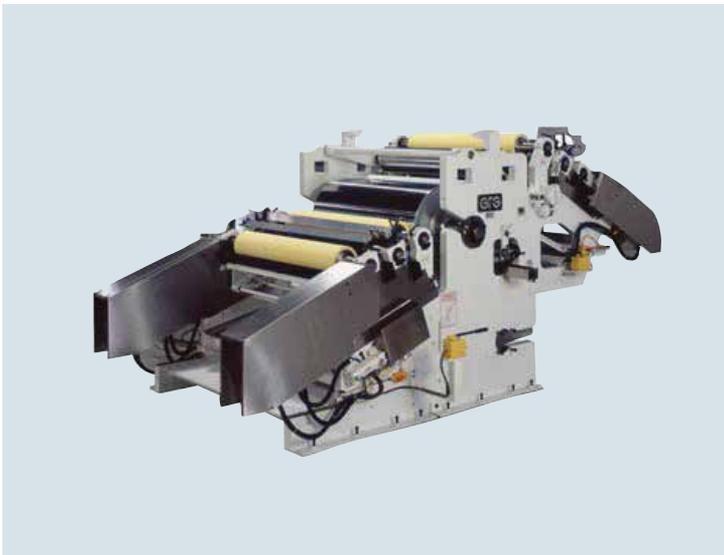




SPECIALISTS IN  
COIL PROCESSING EQUIPMENT



# SUPPLYING THE WORLD

WITH COIL PROCESSING EQUIPMENT

**GFG has long set the industry standard in coil processing equipment. From our very beginning in 1965, GFG has been the industry's leading force with its technologically advanced coil coating and laminating equipment. We've also gained a world-class reputation for complete integrated, cost-effective processing lines. Our Peabody division continues to dominate the world market with its innovative electrostatic**

**GFG**  
**PEABODY**

**You won't find another company that offers a more complete line of quality coil coating equipment and services. Our knowledge, experience, and resources provide us the foundation to produce a broad range of highly specialized, custom engineered machinery designed to meet your demanding requirements.**

**We employ the latest computerized design and manufacturing techniques as well as integrated planning and project management.**



**All of our equipment is built with durability, reduced maintenance, and ease of operation in mind.**

**STATE - OF - THE - ART FACILITIES:** Our equipment is manufactured in our modern Midwest facilities, complete with a sophisticated research and development center that features full-size operational systems for prototyping and piloting process parameters. This capability has allowed for sophisticated but user-friendly control system evolution to provide optimum performance for individual equipment, as well as total process line equipment utilization.



**PROJECT MANAGEMENT:** Our service to you begins in the initial phase of project discussions. GFG's talented technical sales force is comprised of engineers with a proven track record of translating your specifications into solutions. We become an extension of your organization and take time to learn as much about your requirements as possible. When we begin your project, our "open door" approach allows your staff to visit GFG to understand your system from design engineering through equipment manufacture.



**CONTINUOUS SUPPORT:** From uncoiler to recoiler, GFG provides the highest level of customer support throughout the entire manufacturing and installation process. A comprehensive operator training program is provided before the equipment is shipped and continues on site during our supervision of your equipment installation and commissioning. Beyond installation, customer service representatives are available to assist you with future service or spare part requirements.



**WORLDWIDE COVERAGE:** GFG's success can be seen throughout the world. Our equipment is distributed to over 50 different countries. In fact, nearly half of GFG's total sales come from overseas. Because we're a global-thinking manufacturer, we ensure that every one of our products complies with international standards. Our client base ranges from the world's largest steel and aluminum manufacturers to service centers concentrating on specific areas.



**THE GFG DIFFERENCE:** With the GFG name front and center, we're powerfully positioned to offer you the capabilities and level of service no one else can match. Our experts in planning, design, engineering, materials, installation, and training are dedicated to helping you achieve your production goals. Contact our technical sales representatives today to find out more about our product line and capabilities. Call (262) 691-0400 or visit [www.gfg-peabody.com](http://www.gfg-peabody.com).



# NOT JUST ANOTHER LINE

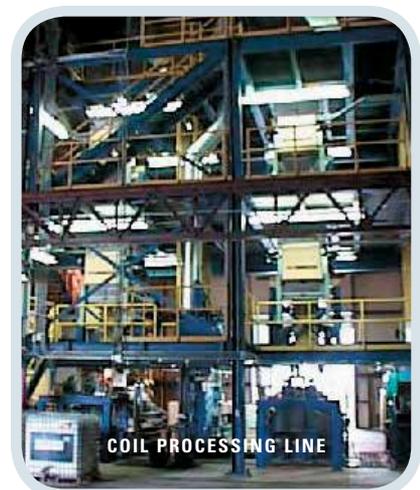
## INTEGRATED COIL PROCESSING LINES

**GFG has achieved industry prominence as a coil processing line specialist. That's because we combine our vast knowledge, experience and resources to offer the finest integrated and cost-effective processing solutions for coating lines. Our leading systems include our renowned coaters, as well as coil handling equipment, accumulators, strip cleaning and quench systems, coil management systems, and leading-edge technology.**

**GFG coil processing lines not only include the finest equipment you'll find on the market, but we also incorporate state-of-the-art electronic controls. Our talented team of electrical and system engineers combine their expertise of processing lines with the latest control technology, providing the most sophisticated control systems that integrate the individual equipment components into a unified, efficiently functioning system.**

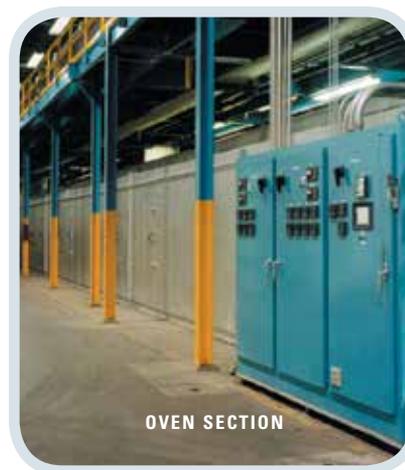
**REBUILDING EXISTING LINES:** Even if a complete processing line isn't in your budget, we can still help you increase the production and efficiency of your current coil processing system, and at the same time minimize downtime. We offer upgrades and rebuilds, as well as other equipment and control systems that will maximize the speed of your current lines.

So whether you're installing a complete processing line, or upgrading your existing line, we offer the top-of-the-line. For more information on our processing lines contact our technical sales staff at (262) 691-0400.



## GFG CAPABILITIES AT A GLANCE:

- Cleaning Lines
- Coil Preparation Lines
- Inspection Lines
- Coil Coating Lines
- Grinding and Polishing Lines
- Coating Sections for Galvanizing Lines



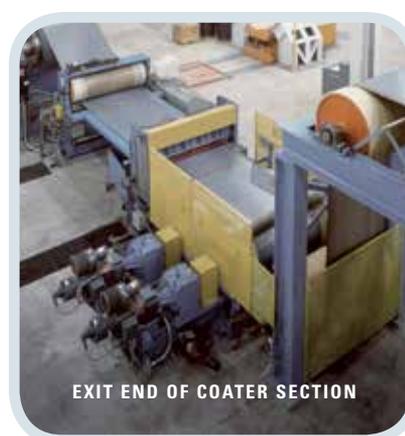
## SERVICES:

- Foundation Engineering
- Installation Supervision
- Software Automation
- Spare Parts
- Field Service
- Rebuilds
- Retrofits
- Equipment Refurbishing
- Equipment Relocation
- Maintenance and Training



## CUSTOM PROCESSING:

- Fin Stock Lines
- Can End Stock Lines
- Lamination Lines
- Toll Coating Lines
- Tab Stock Lines



# ON A ROLL

## ROLL COATERS & LAMINATORS

The GFG brand name has long been synonymous with superior roll coating equipment. Our world market-leading coaters and laminators are tailored to specific customers demanding needs that meet the complete spectrum of coating applications for various strip widths and thickness as well as line speeds. What's more, all of the GFG roll coaters are designed to accept our computerized coating head control system that increases accuracy and productivity, while improving coating weight consistency.

GFG offers many other coater configurations specifically designed to meet your operation's requirements. Our product line includes the "S" Type, Vertical, Horizontal, "T" Type, and Quick Color Change Shuttle Type Coaters.

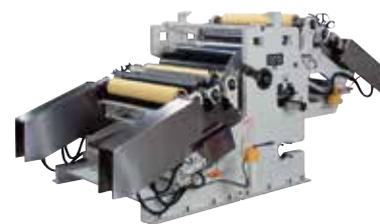
**HORIZONTAL CHEMICAL COATER:** Designed to work in tandem with strip pre-treatment equipment, our no-rinse Chemical Coaters significantly reduce the amount of chemical waste products produced during coating. In addition, the bottom-side head can be rolled out from under the strip for easier maintenance and roll changes.



**PRIME COATER:** This conventional "S" Type Prime Coater includes a retractable topside head. Teamed with the GFG cantilever applicator roll removal feature, the Prime Coater allows for easy replacement of the bottom-side applicator roll.



**S-TYPE FINISH COATER:** Finish Coaters can be used individually or in conjunction with each other on separate floors to increase the flexibility and speed of color changes. The configuration can include a S-Type Finish Coater and a T-Type Finish Coater. Addition of the computerized coating head control system allows for roll position and force to be automatically adjusted and controlled.



**T-TYPE FINISH COATER:** The T-Type Finish Coater is used in conjunction with a S-Type Finish Coater and allows instantaneous color changes on the topside coating thereby eliminating the need for using a "night strip". The net result is a reduction in downtime and an increase in your production output.



**LAMINATOR/EMBOSSER:** Normally located at the finish oven exit, GFG Laminators apply a variety of films or emboss a previously coated strip. Supplied with this system are the guides, controls, unwinds, edge trim unit and scrap removal system.



**VERTICAL WAXER:** The GFG Vertical Wax Coater is designed to melt and apply a thin film of lubricating wax to the strip for products such as can end stock.



**QUICK COLOR CHANGE SHUTTLE COATER:** This Shuttle Coater was designed to improve your production capabilities by enabling color changes in approximately 30 seconds. While coater operators cleanup one set of coating rolls and pans, another set of rolls is in operation eliminating costly downtime. Shuttle Coaters can be equipped with two sets of topside heads, two sets of bottomside heads, or dual heads on both the topside and bottomside.



**DUAL-HEAD FINISH COATER:** The "dual-head" design of this GFG Finish Coater provides an economical solution for quick color changes on the topside coating. While disengaging one topside head, the second topside head is engaged allowing for extremely efficient color changes with a minimal amount of scrap being generated. The Dual Topside Coater provides a quick color change solution for your line when space constraints prevent the use of other coater configurations.



# A WELL - OILED MACHINE

## PEABODY ELECTROSTATIC SYSTEMS

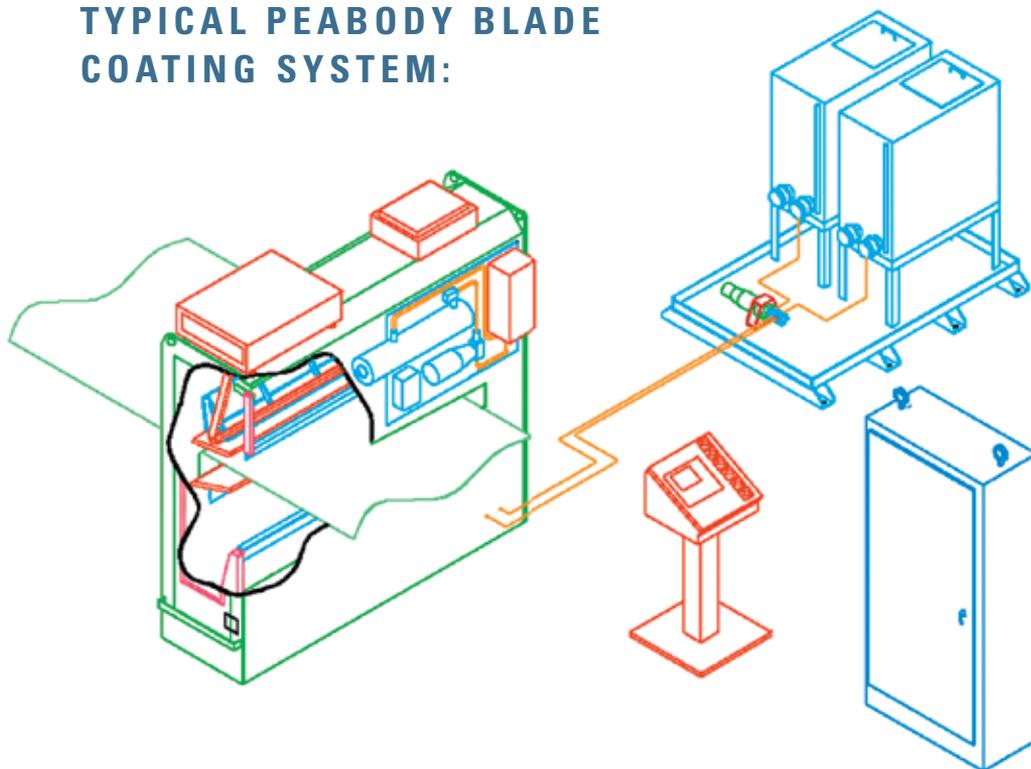
GFG also leads the worldwide market with its Peabody line of electrostatic coating systems. We offer a comprehensive line of standard and customized electrostatic oilers designed for your rigid production requirements. Whether it's a pickle line, galvanizing line, temper mill, slitting, inspection or blanking line, we have the right oiler for the right application.

What makes Peabody stand above the rest lies within its innovative custom and standard design features. For example:

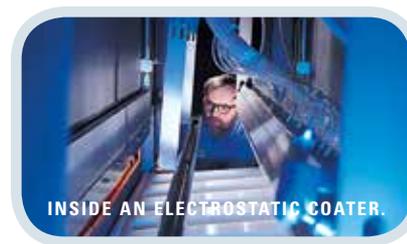
- Your oiler can be designed with a "C" Frame design, allowing you to move the oiler off line with the strip present.
- Telescopic blade carriers will allow your technicians easy access to blades and the inside of the enclosure when periodic maintenance is required.
- Tank heaters are designed to be easily removed – without draining the tank.
- Enclosure heating is available for adverse environmental conditions.

In addition, all oiler systems feature solid state power supplies and patented Dynamic Voltage Control for superior coating performance. Both single and dual polarity power supplies are available.

### TYPICAL PEABODY BLADE COATING SYSTEM:



**HERE'S HOW THEY WORK:** In our Electrostatic Systems, coating particles are subjected to a high electrical charge so the now like-charged particles break up into tiny droplets. The charged particles are then strongly attracted to the surface being coated, allowing for controlled, uniform dispersion. What you get is an extremely efficient coating with minimum waste, resulting in substantial cost savings.



**A GENEROUS BENEFITS PACKAGE:** By selecting a Peabody Electrostatic System, you will experience immediate benefits, including:

- Uniform Coating
- Significant Oil (Coating) Savings
- Coating Weight Flexibility
- No Mechanical Contact
- Coating Material Transfer Efficiency Nearly 100%
- Improved Environment: Improved Coil Shape
- Few Moving Parts/Low Maintenance Costs

Peabody systems feature two proven application methods – the Blade Coater and the Rotary Atomizer.



**BLADE SYSTEMS:** Blade Systems utilize a narrow slot to distribute the electrostatically charged coating uniformly over the entire target surface. The blade incorporates design features including our sharp edge technology, adjustable spray widths, and a heated delivery system. The patented L.A. Strip increases the density of the atomized particles within the charged pattern significantly more than conventional blade types. This enables L.A. Blade Systems to use less coating fluid and to operate over a wider range of coating weights.



**ROTARY ATOMIZER SYSTEMS:** In Rotary Atomizer Systems coating is delivered to a rotating bowl, then spun out to the bowl's edge where it is subjected to an intense electrostatic energy field. The patented atomizer is rotated at high speeds using a friction-free air turbine. A combination of centrifugal and electrostatic energy is used to atomize and distribute coating fluids uniformly over the target surface.



**TEMPER MILL OILERS:** Space in a line for an Electrostatic Oiler is not always available, as is generally the case with temper mill lines. To address this issue, Peabody has developed and successfully installed countless "Temper Mill or Over-the-Mandrel" Oilers. By utilizing features such as Peabody adjustable spray width blade designs, automatic height compensation software/hardware, and the patented Peabody Dynamic Voltage Control, our oilers will provide you with the ultimate oiling solution when space for a conventional oiler does not exist.



# NO PROJECT BEYOND OUR SCOPE

## THE GFG LINE OF LINES

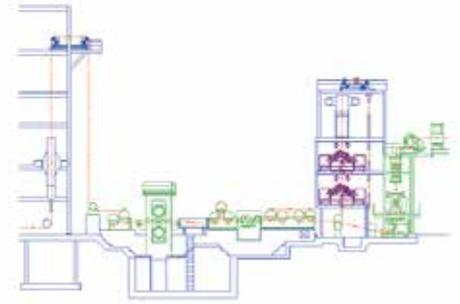
**Whether you are processing steel, aluminum, brass or specialty metals, GFG has the experience, expertise and knowledge to provide you the finest line available in the industry. GFG, known in the industry for producing the highest quality roll coaters available, has taken the same philosophy when configuring coil processing lines with the very best equipment and technology available in the industry. From uncoiler to recoiler, and everything in between, GFG engineers insure that the equipment designed will meet and exceed our customers' requirements and expectations. Whether you are looking to upgrade an existing line or build a new processing line, GFG engineers are ready to assist.**

**SOLUTIONS:** GFG processing lines and equipment provide our customers with solutions. Whether you have issues with floor space, production constraints, environmental concerns, manpower requirements, or other factors - GFG's experienced team of engineers are dedicated to finding a workable solution that will address your specific needs. Our extensive client list and reputation confirm our claim and speak volumes about who we are and what we can do for you.

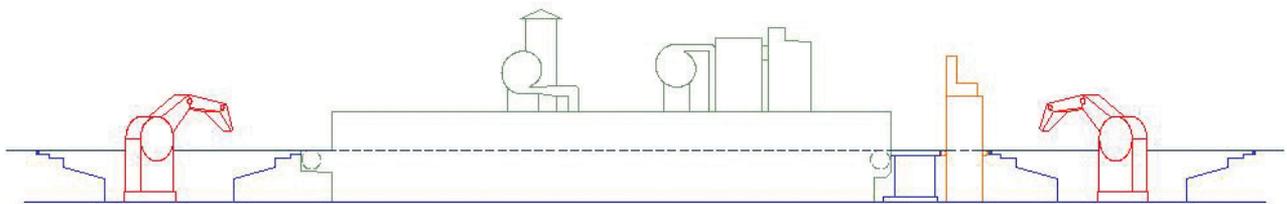


## **GALVANIZING LINES – COATERS, IR OVENS, CHILL ROLLS**

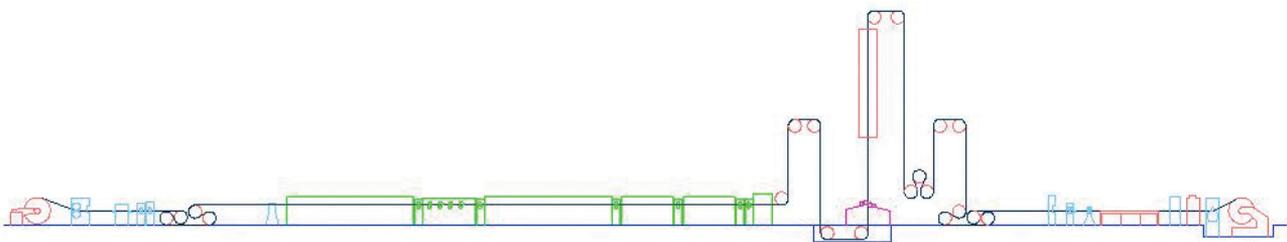
**AND GUIDE BY GFG:** Realizing the need to produce value added products in today's competitive marketplace, many galvanizing lines are adding coating sections. The GFG Coaters apply acrylic resins and dry-in place pretreatments to the galvanizing products prior to recoiling. By utilizing "stacked" vertical GFG coaters the galvanizing lines can run continuously, 24-7 – optimizing production and adding value – a successful combination.



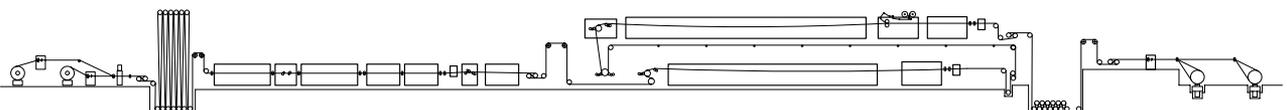
**BLANK PROCESSING LINE:** GFG has teamed up with robotic integrators to produce the highest quality Blank Processing System capable of automatically loading automotive blanks on to a conveyance system that transports the blanks through a GFG wash, rinse and drying section. Once cleaned, the blank then progresses through a GFG - Peabody Electrostatic Oiler that applies a specific amount of stamping oil to both sides of the blank before being off-loaded by the robotic unload station.



**HIGH SPEED COIL PROCESSING LINE:** This GFG Line has the ability to process steel at speeds in excess of 1,000 FPM. This system is designed to clean and brush steel as well as apply dry-in place pretreatments. Also incorporated into the line is a slitter, strand extensioner, and GFG – Peabody Electrostatic Oiler.



**PAINT COATING LINES:** GFG has designed, built and installed Paint Coating Lines in various configurations. One of the most versatile line configurations is shown below complete with a Chemical Coater, Prime Coater, Finish "A" and Finish "B" Coater. By utilizing the combination of Finish "A" and Finish "B" Coater color changes can be made "on the fly" with virtually no scrap and no down time. Other GFG line configurations include vertical coaters and wet sections, and Z Line configurations.





#### NORTH AMERICA

Canada  
Mexico  
United States

#### CENTRAL AMERICA

Costa Rica

#### SOUTH AMERICA

Argentina  
Brazil  
Chile  
Columbia  
Venezuela

#### AFRICA

Morocco  
Nigeria  
South Africa  
Tanzania  
Uganda  
Zambia

#### EASTERN EUROPE

Czech Republic  
Hungary  
Kazakhstan  
Macedonia  
Poland  
Russia  
Slovakia  
Turkey

#### EUROPE

Austria  
Belgium  
Denmark  
Finland  
France  
Germany  
Greece  
Italy  
Luxembourg  
Netherlands  
Norway  
Spain  
Sweden  
United Kingdom

#### MIDDLE EAST

Saudi Arabia

#### FAR EAST

China  
Japan  
Korea  
Taiwan

#### SOUTH EAST

Asia  
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India  
Indonesia  
Malaysia  
Nepal  
New Zealand  
Philippines  
Thailand  
Vietnam



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