

COMPLETE SOLUTIONS FOR THE METALS INDUSTRY

STEEL • STAINLESS STEEL • ALUMINUM • NON-FERROUS

roll coverings • equipment fabrication
precision machining • rebuilds



INTRODUCTION

One of our deepest industrial roots. Now stronger than ever.

Metals have always been at the heart of our industrial expertise. For generations, our teams have worked alongside steel, stainless steel and aluminum producers to solve the wear, traction, chemical, thermal and surface-quality challenges that define modern metal production.

That experience has created exceptional know-how in roll coverings, engineered surfaces, precision finishing, mechanical repair and lifecycle support, from aggressive chemical sections and high-temperature applications to critical coil-handling equipment.



Surface Expertise

Rubber, polyurethane, composites, thermal spray, carbides and application-specific surfaces.



Process Knowledge

Steelmaking, casting, hot and cold rolling, pickling, annealing, galvanizing, coating, finishing and coil handling.



Lifecycle Support

Inspection, rebuild, repair, grinding, balancing, management, optimization and performance support.

Since 1896

130 years of industrial expertise, innovation and application-specific surface engineering.

+60 years

Over six decades of experience in rebuilding, machining and servicing critical equipment for the metals industry.

One integrated approach

Surface engineering, machining, rebuilding and service expertise brought together in one complete offering.

WORLDWIDE

Global expertise. Local response.



Hannecard's metals expertise is built on an international network of local production and service teams, backed by shared materials knowledge, engineering, R&D and specialist technologies across the Group.

This allows global producers to work to consistent standards across multiple plants while keeping service and technical support close to the mill.

17 COUNTRIES

International reach. Local presence.

25+ PRODUCTION LOCATIONS

A powerful network of production and service capabilities.

1,000+ EMPLOYEES

Local know-how. Global expertise. One connected team.



North America, strengthened by Glunt

Four Ohio plants, 225,000+ sq. ft. of production space and 80+ CNC units significantly expand our heavy machining, fabrication and rebuild capabilities in North America.

OUR COMBINED PROPOSITION

One team.
One complete
metals partner.



Metal production places extreme demands on every contact point and mechanical interface. Heat, impact, abrasion, chemicals, scale, tension and continuous operation all affect equipment life, line stability and product quality.

Together, Hannecard and Glunt Industries extend support beyond the roll surface. By combining surface engineering with large-scale machining, fabrication, repair and rebuild capabilities, we provide lifecycle support for critical mill assets.

01

Roll Coverings & Elastomer Solutions

Rubber, polyurethane and composite coatings engineered for maximum lifetime.

02

Thermal Spray & Engineered Surfaces

Tungsten and chromium carbide, zinc-pot and release technologies, wear- and corrosion-resistant systems.

03

Precision Machining & Fabrication

Large and complex parts machined and finished to exact tolerances.

04

Mechanical Repair & Rebuilding

Reconditioning, journal restoration, welding and complete refurbishment.

05

Chocks, Mandrels & Mill Equipment

Critical assemblies repaired, upgraded or manufactured. Chocks, mandrels, guide boxes, gearboxes, spindles and more.

06

Field Support & Emergency Response

Inspection, maintenance programs and urgent breakdown support.

Support across
the complete lifecycle.

**Inspect & Analyze**

Condition assessment, dimensional control, failure-mode analysis and non-destructive testing.

**Engineer & Optimize**

Reverse engineering, material selection, 3D modeling and process-specific design upgrades.

**Repair & Rebuild**

Journal restoration, re-stubbing, welding, component replacement and complete refurbishment.

**Cover, Coat & Overlay**

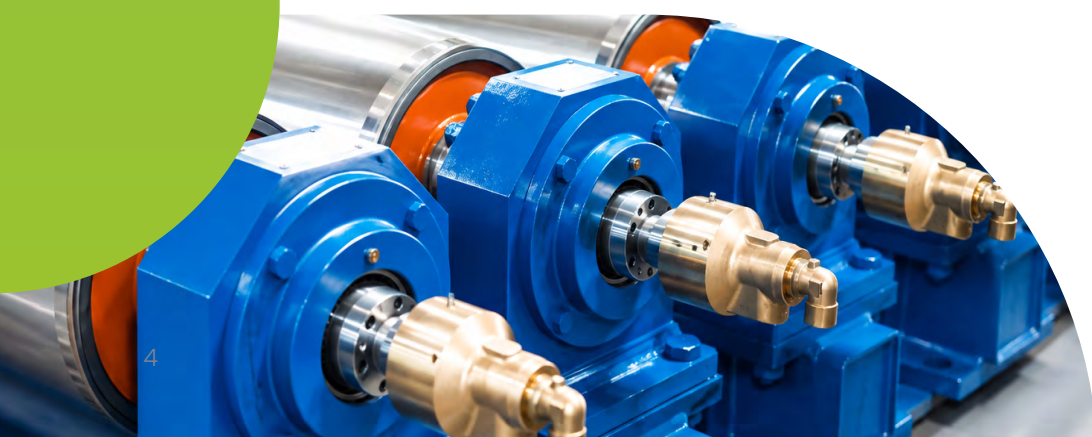
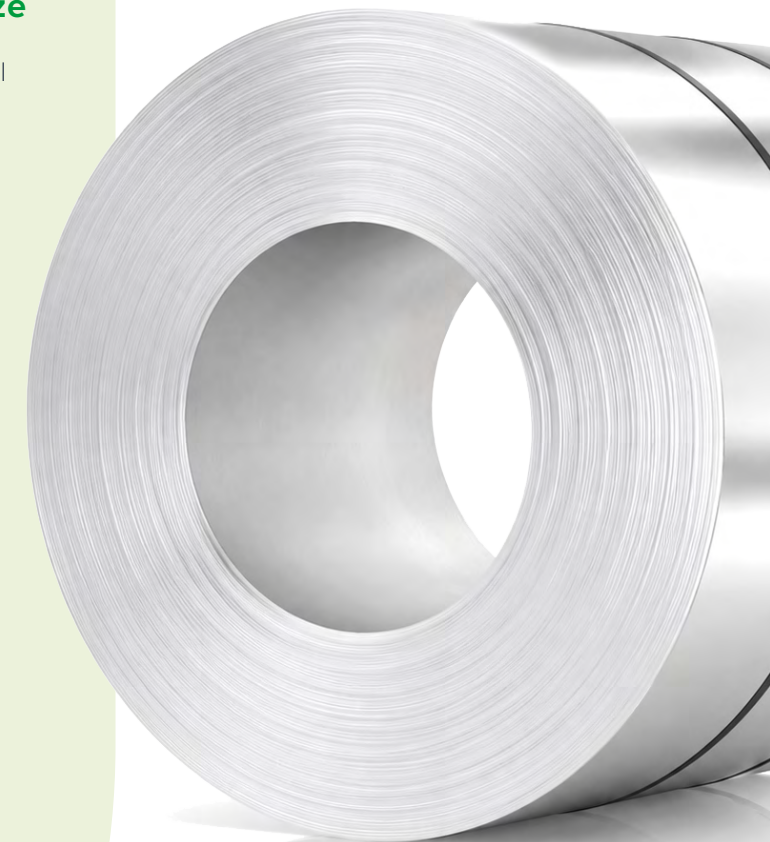
Elastomer, composite, carbide, thermal spray and weld-overlay systems.

**Machine & Finish**

Turning, milling, grinding, grooving, crowning, polishing and superfinishing.

**Assemble, Test & Support**

Assembly, balancing, inspection reports, installation support and emergency response.



LIFECYCLE & SUSTAINABILITY

Extend life. Reduce impact.

In metals production, sustainability also means making better use of the value already embedded in critical equipment. By inspecting, repairing, rebuilding, recoating and upgrading rolls and mill components, we help extend service life, avoid premature replacement and keep materials in use for longer.

Circularity through engineering.

01

Repair Before Replace

Restore valuable components instead of replacing them prematurely.

02

Extend Service Life

Engineered surfaces and rebuilds keep critical assets performing longer.

03

Keep Materials In Use

Preserve the material and manufacturing value already embedded in the asset.

04

Restore. Upgrade. Optimize.

Use the rebuild as an opportunity to improve design, surfaces and performance.

Less replacement

Avoid premature replacement when technical restoration is the better option.

Less material consumption

Keep valuable steel and engineered components in productive use for longer.

REPAIR BEFORE REPLACE

Give critical assets another life.

Instead of treating coating, machining and repair as isolated services, we connect them around the actual failure mode, operating conditions and performance target.

before & after



vertical scale breaker



edger roll assembly



work roll chock

Longer service life

Combine surface technology, machining and rebuilding around long-term performance.

COATING SOLUTIONS

Engineered surfaces for every roller.

Hannecard combines an exceptionally broad metal-industry covering portfolio with precision finishing, repair, testing and roller management.

- 01 **Rubber Coverings**
Application-specific compounds for squeezing, chemical resistance, traction, temperature and strip protection.
- 02 **Polyurethane Coverings**
High abrasion and cut-in resistance, deformability, purity and long service life in demanding positions.
- 03 **Composite & Core Protection**
Systems that protect roll bodies and interfaces against corrosion, chemicals and mechanical damage.
- 04 **Thermal Spray & Carbides**
HVOF, HVOF, plasma, flame, electric arc and cold spray technologies for wear, corrosion and heat resistance.
- 05 **Precision Roller Finishing**
Grinding, grooving, crown/profile control, polishing, balancing and surface engineering.
- 06 **Maintenance & Management**
Inspection, mechanical repair, assembly, logistics, line audits and performance-driven lifecycle support.

25+ plants
Worldwide.

2,600 mm
Roller diameter.

12,000 mm
Max roller length.

32,000 kg
Max roll weight.

REPAIR & MANUFACTURING SOLUTIONS

Mechanical mastery at mill scale.

Glunt extends our capabilities beyond the roll surface with large-scale machining, fabrication, rebuilding and 24/7 emergency support for critical equipment for steel and aluminum mills, including hot and cold rolling applications.

Chock Service

Fabrication and rebuilds for work-roll and backup-roll chocks, including disassembly, inspection, bearing service and complete assembly.

Mandrels & Reels

Recoilers, downcoilers, payoff reels, tension reels and stub mandrels, reconditioned, rebuilt, upgraded or manufactured.

Rebuilds, Repairs & Upgrades

Journal repair, reconditioning, service-life extension and reverse engineering.

Large-Scale Machining

Turning, milling, grinding, welding, stress relieving, finishing, testing and assembly for large and complex assets.

Rolling Mill Equipment

Guide boxes, plate levelers, gearboxes, cable drums, spindles, couplings and engineered replacement components.

Emergency Mill Repair

24/7 breakdown support and rush rebuild capability for North American mills when uptime is critical.



4 plants
Ohio manufacturing and repair footprint.

225,000+ ft²
Production space.

80+ CNC
Machining equipment.

77 in x 75 ft
CNC turning capability.

SELECTED METALS REFERENCES

Built in the mill. Proven around the world.

Our expertise in the metals industry has been built over decades, working directly inside some of the world's most demanding production environments.

Today, more than **300 metal-producing customers in over 30 countries** rely on Hannecard and Glunt services, technologies and expertise across **steel, stainless steel and aluminum production**.

From steelmaking, hot and cold rolling to pickling, galvanizing, coating, finishing and specialized processing lines, this global installed base gives us an exceptional understanding of how rolls perform under real production conditions.

Decades of metals experience

Our customer base includes many of the world's leading metals producers:

Steel

ArcelorMittal
Tata Steel
Nippon Steel / U.S. Steel
Cleveland-Cliffs
Thyssenkrupp
Vallourec

Aluminum

Constellium
Novelis
Arconic

Stainless Steel

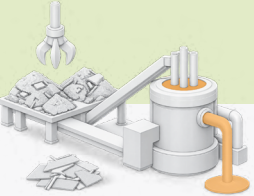
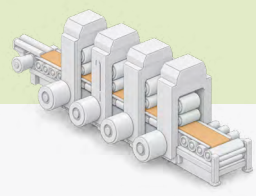
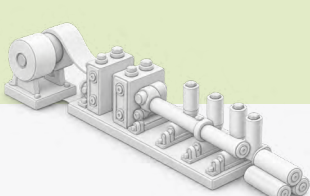
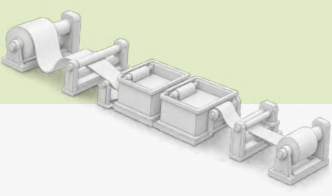
Acerinox Group
Aperam

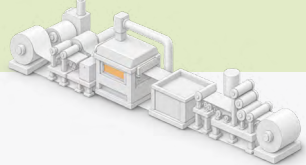
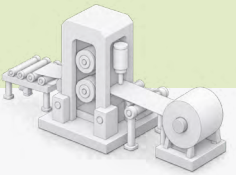
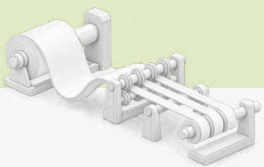
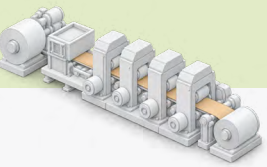
Every mill, line and application adds to our knowledge. Different alloys, chemistries, temperatures, speeds, strip grades and operating conditions continuously expand our understanding of roll performance.

That accumulated experience is what turns coating and engineering know-how into true mill expertise.

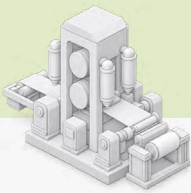
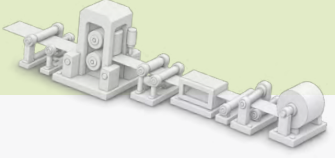
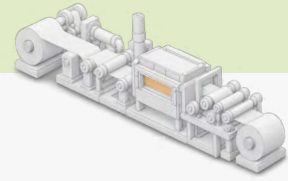
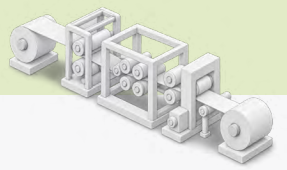
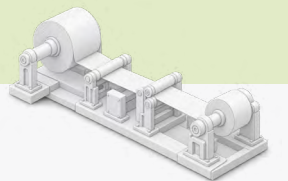


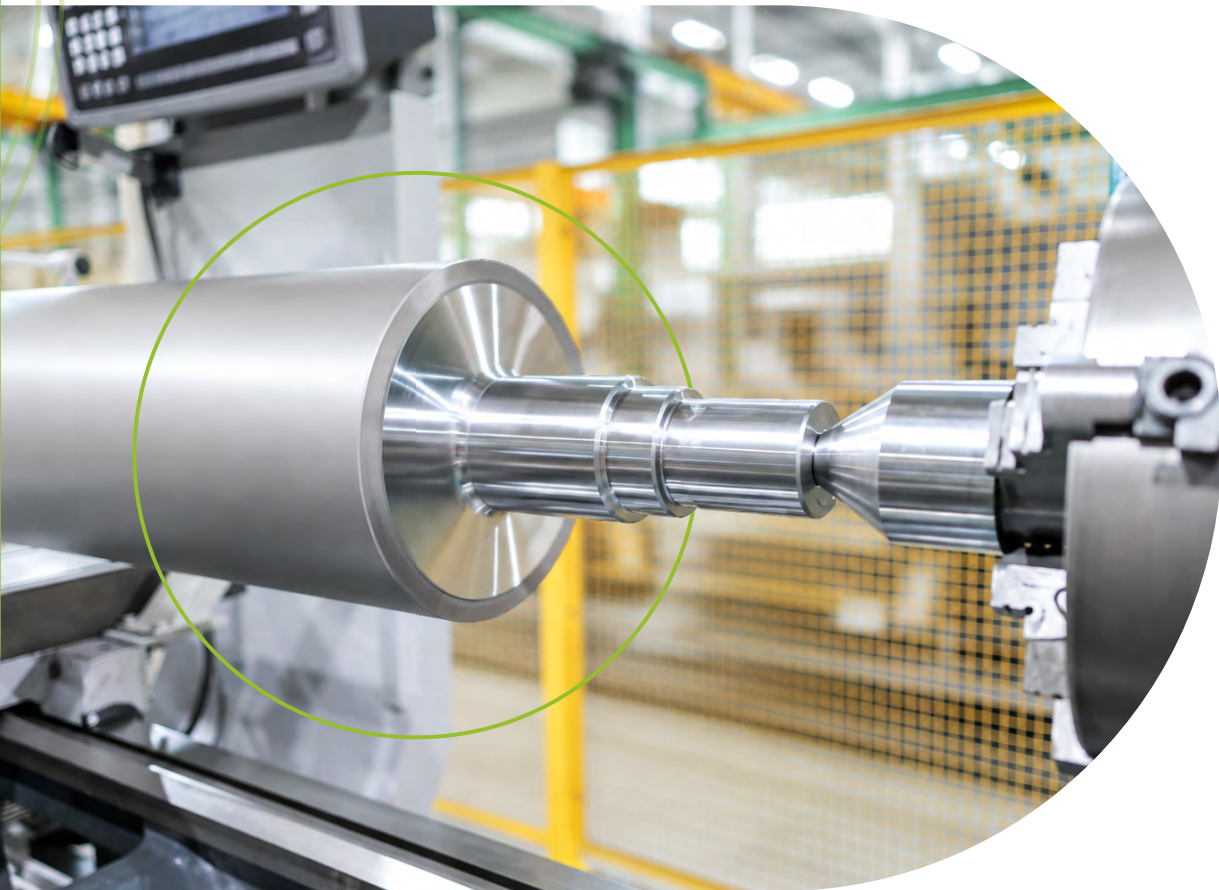
OUR SOLUTIONS ACROSS THE PRODUCTION LINE

	Steelmaking process	Steel casting	Steel hot rolling mill	Steel tube & pipe production	Steel pickling
					
Products	Pellet rollers, ore & mineral transport	Casting rolls	Mill work/backup rolls, chocks, VSB (vertical scale breaker) rolls, table/transfer/looper rollers, edgers, exit rollers, coiler pinch, deflector & wrapper rollers, spindles	MPM/FQM rolls, transfer & conveyor rolls, straightener rolls, Diescher discs	Squeegee/wringer rollers, bridle rolls, looper & table rollers, deflector & turn rolls, pinch rollers, edge trimmer rollers
Services		Inspection, repair, refurbishing, new rolls & parts	Inspection, repair, refurbishing, new rolls & parts, (dis)assembly	Inspection, repair, refurbishing, new rolls & bars	Inspection, (re)coating, repair, refurbishing, new rolls & parts, (dis)assembly, balancing
Materials & Technologies		Submerged arc welding, tempering, metal spray, metal cores & parts	Submerged arc welding, tempering, metal spray, metal cores & parts	Submerged arc welding, tempering, metal cores	Rubber, polyurethane, composites, carbides, ceramics, submerged arc welding, tempering, metal spray, metal cores & parts

	Steel cold rolling mill	Steel strip process lines	Steel skin pass & temper mill	Steel strip finishing lines	Aluminum hot rolling mill
					
Products	Mill work/backup rolls, chocks, spindles	Squeegee rollers, immersed deflector rolls, counter-brush rollers, bridle rolls, looper & table rollers, deflector rolls, pinch rollers, edge trimmer rollers, cradle rolls, zinc pot & stabilizer rolls, end caps, top rolls, furnace rolls	Mill work/backup rolls, chocks, spindles, couplings	Brake rolls, bridle & steering rolls, looper & table rollers, deflector rolls, pinch rollers	Mill work/backup rolls, exit & conveyor rollers, chocks, edgers, spindles
Services	Inspection, repair, refurbishing, new rolls & parts, (dis)assembly	Inspection, (re)coating, repair, refurbishing, new rolls, (dis)assembly, balancing	Inspection, repair, refurbishing, new rolls, (dis)assembly	Inspection, (re)coating, repair, refurbishing, new rolls, (dis)assembly, balancing	Inspection, repair, refurbishing, new rolls & parts, (dis)assembly
Materials & Technologies	Submerged arc welding, tempering, metal spray, metal cores & parts	Rubber, polyurethane, composites, carbides, ceramics, metal spray, MIG welding, PTA welding, metal cores	Submerged arc welding, tempering, metal spray, metal cores	Rubber, polyurethane, MIG welding, PTA welding, metal cores	Submerged arc welding, tempering, metal spray, metal cores & parts

OUR SOLUTIONS ACROSS THE PRODUCTION LINE

	Aluminum cold rolling mill	Aluminum foil rolling & finishing	Aluminum coil processing lines	Tension leveling	Mandrel reels (hot mill & cold mill)
					
Products	Mill work/backup rolls, chocks, ironing rollers, pinch rollers	Mill work/backup rolls, chocks, ironing rollers, separator rollers	Squeegee rollers, immersed deflector rolls, counter-brush rollers, bridle rolls, looper & table rollers, deflector rolls, pinch rollers, tensioning rolls, oven entry & exit rolls	Bending rollers, bridle rolls	Uncoiler/recoiler mandrels and equipment — new, rebuilt and upgraded; elastic mandrel sleeves
Services	Inspection, repair, (re)coating, refurbishing, new rolls, (dis)assembly, balancing	Inspection, repair, (re)coating, refurbishing, new rolls, (dis)assembly	Inspection, (re)coating, repair, refurbishing, new rolls, (dis)assembly, balancing	Inspection, (re)coating, repair, refurbishing, new rolls	New manufacturing, repair, refurbishing, new mandrel sleeves
Materials & Technologies	Submerged arc welding, tempering, metal spray, metal cores, rubber, polyurethane	Submerged arc welding, tempering, metal spray, metal cores, rubber, polyurethane	Rubber, polyurethane, carbides, metal spray, MIG welding, PTA welding, metal cores	Rubber, polyurethane, carbides, metal spray, complete manufacturing, welding	Rubber, polyurethane, complete manufacturing, welding





sales@glunt.com
www.glunt.com



info@hannecard.com
www.hannecard.com