

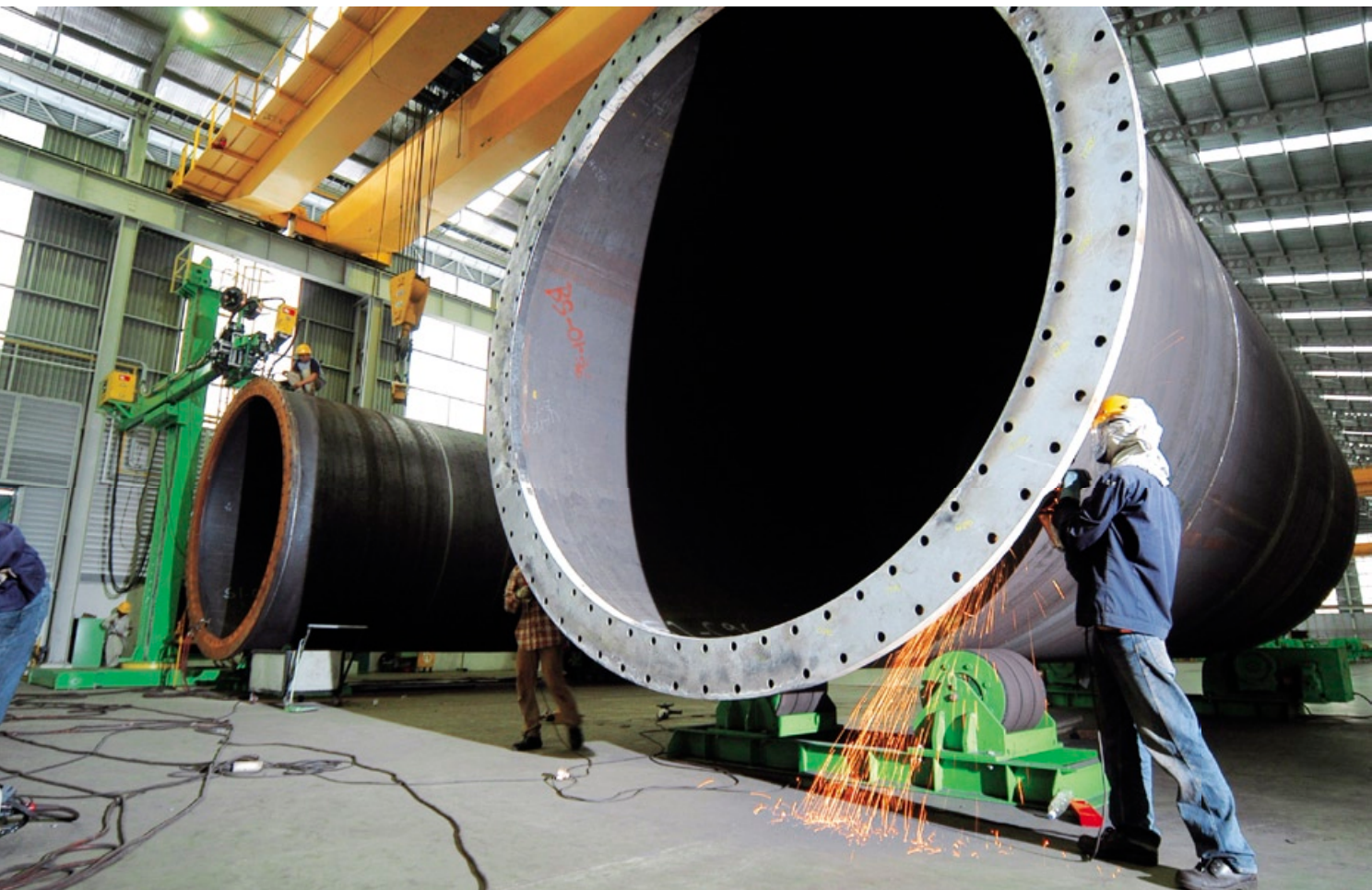


Wind Towers Powered by Precision



The Power of Precision

There is power in precision. With Korindo Wind towers, precision will be the foundation of your project.



Exacting Precision Supports Every Korindo Wind Tower.

We manufacture superior onshore and offshore towers and add value by focusing on what is most important to you: absolute quality, competitive cost and dependable delivery. As a supply partner, our power results from what's behind every section: ISO 14001 and ISO 9001:2000 certification, maximum efficiency, risk-free Precision LogisticsSM, absolute responsiveness and the financial strength of a global parent company.

We're bringing The Power of Precision to tower manufacturing, delivery and service. Let us show you what it can do for you.



Towers: Standing Strong, Onshore and Offshore

Korindo Wind manufactures towers and monopiles to American, European or Asian specifications. Our towers are standing strong across the North American landscape and around the world. They are supporting turbines manufactured by some of the best-known names in the industry, global companies like Vestas, Gamesa and Clipper Windpower that appreciate the value of exactitude.

Onshore and Offshore Tower Capabilities

Maximum Diameter:	7.5m
Maximum Steel Thickness:	80mm
Maximum Weight:	100 tons/section

Onshore and Offshore
Tower Manufacturing
Highlights

- 800+ Tower Annual Capacity
- 600+ Towers Delivered to USA
- Nearly 1,000 Towers Delivered Worldwide
- American, European or Asian Specifications



Efficiency:

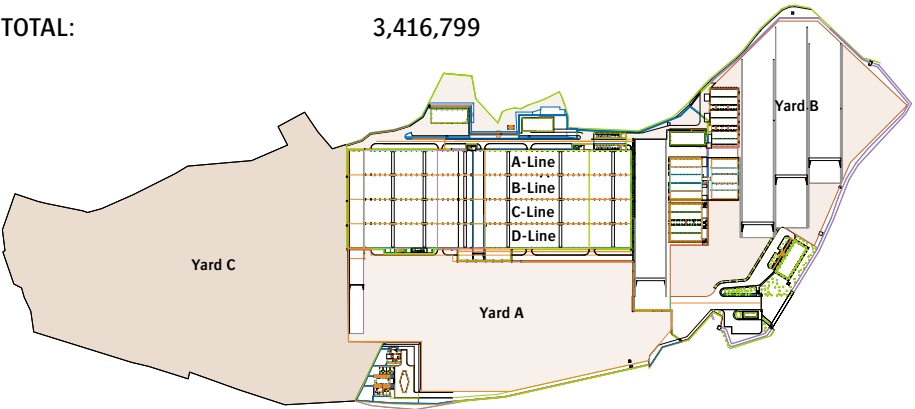
Zero Waste, Start to Finish

Our manufacturing facility features four massive bays and a linear production line that is the model of efficiency. Raw materials enter one end and finished sections exit the other with absolutely no time, effort or material wasted in between.

The depth of knowledge and experience of our plant management team allows Korindo Wind to take a proactive approach to plant configuration and process optimization in heavy manufacturing. In addition, our engineering team works closely with you to optimize designs and manufacturing processes so we can produce your towers more efficiently and with less cost.

The results are time and money saved, not just for us but also for our customers.

Factory Area	square feet
Fabrication:	406,295
Blasting & Painting:	71,429
Internal Assembly:	918,323
Storage:	2,020,752
TOTAL:	3,416,799



Efficiency Highlights

- Linear Production Line
- 50+ Years of Combined Tower Manufacturing Management Experience
- Advanced Precision Equipment
- Engineering Support



Quality: Elevating Tower Precision

There has never been a quality issue with a Korindo Wind tower, ever.

Every wind tower supplier claims it manufactures high-quality towers, but few can prove it to the extent of Korindo Wind. As an ISO 14001 and ISO 9001:2000 certified manufacturer, we are held to a higher standard.

We inspect for quality at every point of the process – raw material receiving, cutting, beveling, rolling, fit-up, submerged arc welding, blasting, painting and assembly – and we document every step with precision to ensure traceability. If you have special requirements for inspection and documentation, we’ll meet them.

Our plant features the most advanced precision equipment and automated cutting and welding systems available. Every Korindo Wind welder holds an American Welding Society (AWS) certification and our welding procedures are certified for both AWS and European (EN) standards. We also are working toward EN 18800 certification for quality. In addition, our quality team includes certified welding, coating, ultrasonic and other non-destructive testing inspectors.

We do the job right the first time which, for you, means shorter manufacturing lead times and fewer quality issues after production. And, through our continuous training and improvement program, our people and processes are getting even better every day.

Quality Highlights

- Zero Quality Issues
- ISO 14001 and ISO 9001:2000 Certified
- Advanced Precision Equipment
- AWS Certified Welders
- AWS & EN Certified Welding Procedures
- Certified Quality Inspectors
- Inspections at Every Process Point

Look more closely at our efficiency and quality control.

You'll see the strength of Korindo Wind towers flows from exacting precision that goes into every aspect of material procurement, design support, production, finishing and delivery.

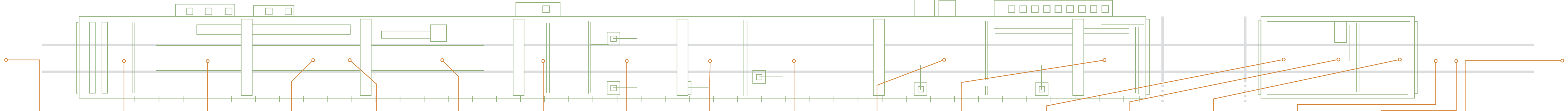
A Korindo Wind tower goes through a rigorous inspection regimen to ensure product integrity, with qualified QC personnel performing all inspections. The following illustrates our standard inspection plan and major milestones from drawing interpretation to customer delivery.

Quality & Performance Testing

- Visual Inspections (VT)
- Dimensional Inspections
- Ultrasonic Testing (UT)
- Radiographic Testing (RT)
- Magnetic Particle Examinations (MT)
- Destructive Testing (DT)

Process & Inspection Points

Illustration depicts just one of Korindo Wind's four massive linear manufacturing bays.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	
Shop Drawings	Material Receiving	Marking/Cutting/Beveling	Bending	Longitudinal Welding	Re-Bending	Flange-to-Shell Fit-Up	Shell-to-Shell Fit-Up	Section Fit-Up (Inside Circumference Welding)	Section Welding (Outside Circumference Welding)	Door Frame & Bracket Welding	Final Inspection	Shot Blasting	Metalizing	Painting	Internals Assembly	Storage & Dispatch	Shipping
Facility/Equipment/Technology <ul style="list-style-type: none">» 3-D CAD» SolidWorks Software» Pro/ENGINEER Software	Facility/Equipment/Technology <ul style="list-style-type: none">» Magnetic Lifting Fixtures (9)» 15-ton Overhead Cranes (8)» 20-ton Gantry Crane (1)	Facility/Equipment/Technology <ul style="list-style-type: none">» CNC Plasma Marking/Cutting Machines (3) Max – 40 tons x 3,300 x 36,000» CNC Flame Marking/Cutting Machine (1) Max – 300 tons x 3,300 x 18,000» Flame Beveling Machines (20)	Facility/Equipment/Technology <ul style="list-style-type: none">» Davi 4-Roll Type (CNC) Hydraulic Bending Machines (80 tons) Max – 80mm x 3,100m (1)Max – 60mm x 3,100m (2)Max – 45mm x 3,100m (1)	Facility/Equipment/Technology <ul style="list-style-type: none">» 30-ton Rotators (12)» Tandem, C&B SAW Welding Machines – Lincoln Electric (6) DC-1000 amps; AC-1,200 amps	Facility/Equipment/Technology <ul style="list-style-type: none">» Davi - 4-Roll Type (CNC) Hydraulic Bending Machine80 tons (1) Max - 80mm x 3,100mm	Facility/Equipment/Technology <ul style="list-style-type: none">» Fit-Up Tables (4)	Facility/Equipment/Technology <ul style="list-style-type: none">» Rotator Sets – Fit-Up & Inside Welding (8) Max – 60 tons Hydraulic Adjustment System» Tandem, C&B SAW Welding Machines – Lincoln Electric (4) DC-1,000 amps; AC-1,200 amps	Facility/Equipment/Technology <ul style="list-style-type: none">» Rotator Sets – Fit-Up & Inside Welding (8) Max – 100 tons Hydraulic Adjustment & Movement System» Tandem, C&B SAW Welding Machines – Lincoln Electric (4) DC-1,000 amps; AC-1,200 amps	Facility/Equipment/Technology <ul style="list-style-type: none">» Rotator Sets – Fit-Up & Outside Welding (8) Max – 100 tons Hydraulic Adjustment System» Tandem, C&B SAW Welding Machines – Lincoln Electric (8) DC-1,000 amps; AC-1,200 amps	Facility/Equipment/Technology <ul style="list-style-type: none">» Rotator Sets – (20) Max – 100 tons Hydraulic Adjustment System» FCAW Inverter Machine – Lincoln Electric (40)	Facility/Equipment/Technology <ul style="list-style-type: none">» Easy Laser System	Facility/Equipment/Technology <ul style="list-style-type: none">» 36m Blasting Rooms (4)» Rotator Sets (4) Max – 100 tons» Blasting Nozzles (24)» Automatic Steel Grit Recovery & Monitoring	Facility/Equipment/Technology <ul style="list-style-type: none">» 36m Metalizing Areas (2)» Rotator Sets (2)» Osu Metalizing Machines (2)	Facility/Equipment/Technology <ul style="list-style-type: none">» 36m Painting Rooms (14)» Rotator Sets (14)» Paint Spray Systems (12)	Facility/Equipment/Technology <ul style="list-style-type: none">» Assembly Area - 918,323 Square Feet	Facility/Equipment/Technology <ul style="list-style-type: none">» Storage Area – 2,020,752 Square Feet	Facility/Equipment/Technology <ul style="list-style-type: none">» Port – Max 60,000 DWT Vessels
	Tests/Inspections <ul style="list-style-type: none">✓ Visual & Dimensional✓ Material Identification & Traceability✓ UT (ultrasonic testing)	Tests/Inspections <ul style="list-style-type: none">✓ Bending & Fit-Up – Reference 50 mm Line✓ Visual & Dimensional✓ Root Face & Bevel Angle✓ Heat & Product Number Traceability	Tests/Inspections <ul style="list-style-type: none">✓ Roundness✓ Gap & Fit up✓ Linear Alignment	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Welding Parameters – Welding Procedure Specifications (WPS)✓ Welder Traceability✓ UT (Ultrasonic Testing)✓ Consumable Traceability	Tests/Inspections <ul style="list-style-type: none">✓ Roundness	Tests/Inspections <ul style="list-style-type: none">✓ Flatness – EZ Laser✓ Gap & Fit up✓ Linear Alignment✓ Reference 50 mm Line	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Welding Parameters – Welding Procedure Specifications (WPS)✓ Gap & Fit up✓ Linear Alignment✓ Reference 100 mm Line✓ Welder Traceability✓ Consumable Traceability	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Welding Parameters – Welding Procedure Specifications (WPS)✓ Flange Flatness & Angle Displacement✓ Gap & Fit up✓ Linear Alignment✓ Reference 100 mm Line✓ Welder Traceability✓ Consumable Traceability	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Welding Parameters – Welding Procedure Specifications (WPS)✓ Welder Traceability✓ UT (Ultrasonic Testing)✓ Consumable Traceability	Tests/Inspections <ul style="list-style-type: none">✓ Visual & Dimensional✓ UT (Ultrasonic Testing)✓ MT (Magnetic Particle)	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Flange Flatness & Angle Displacement✓ Designated Repair Area (To allow production flow)✓ Welder, Heat & Product Number Traceability✓ RT (Radiography Testing) If required✓ MT (Magnetic Particle Testing)	Tests/Inspections <ul style="list-style-type: none">✓ Cleanliness✓ Roughness of surface profile✓ Optimized Blasting-to-Painting Intervals	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Coating Thickness✓ Climate Monitoring	Tests/Inspections <ul style="list-style-type: none">✓ Visual✓ Film Coating Thicknesses (wet & dry)✓ Adhesion Test✓ Climate Monitoring	Tests/Inspections <ul style="list-style-type: none">✓ Mounting✓ Identification & Traceability✓ Internal Connections✓ Bolt Connections (Torque indicators)✓ Electrical Operation✓ Damage for Painting✓ Packing Condition	Tests/Inspections <ul style="list-style-type: none">✓ Damage✓ Surface Cleanliness✓ Packaging Condition	Tests/Inspections <ul style="list-style-type: none">✓ Loading – Survey & Report by 3rd Party Inspector✓ Discharge – Survey & Report by 3rd Party Inspector



Precision LogisticsSM: Comprehensive Solution, No Boundaries

We see logistics as more than mode of transport from plant to destination. For Korindo Wind, logistics includes everything from the moment we take your order until you accept your tower sections.

The Korindo Wind Precision LogisticsSM solution encompasses every detail. We do all the legwork to eliminate hassles and delays that would otherwise be associated with importing towers, to simplify the entire process and ensure you get the highest quality towers exactly when you need them. And, because Precision LogisticsSM incorporates the Delivery Duty Paid (DDP) method, it eliminates all your pre-delivery risk.

We retain responsibility for all exposure and costs until your sections reach their destination, whether it's the port closest to your project or directly to the site. You don't have to worry about a thing, including timing – Korindo Wind has never been late on a delivery.

Good to Go

Before your towers ever leave our plant, we:

- Ensure they comply with import laws or restrictions of the destination.
- Research the port to make sure it has the equipment, infrastructure and storage necessary to handle them.
- Negotiate costs.
- Provide port workers specific instructions for handling your towers safely and efficiently.

Before your towers reach the port, we:

- Execute the proper bonds.
- Pay duties and other customs charges.
- Coordinate port storage if necessary.

When your towers arrive, they will be custom cleared and ready to transport.

Comprehensive Package

Shipping – Overseas & Domestic
Sections Insured for Full Liability
Duty & Customs: Risk Free DDP Method
Port Work Coordination
Storage
Reverse Logistics



Maximum Dependability, Minimum Cost

Korindo Wind provides cost efficiencies, scheduling confidence and overall simplification, as well.

Guaranteed On-Time Delivery

It costs us money to have a ship sitting in port waiting to be loaded, so whatever it takes to complete your towers on time, we'll get it done. And you'll know well in advance exactly when your sections will arrive.

Cost Certainty

We have negotiated a maximum rate with an overseas shipping partner, so you will know your maximum cost up front and well in advance, regardless of fluctuating fees in a volatile market.

Best Port Rates

Due to the volume of business we do with U.S. ports, we are able to negotiate the most competitive rate possible for your shipment.

Fewer Inland Costs & Hassles

All your towers will be delivered to the port closest to your project site so your inland logistics challenges, transport costs and state-by-state permitting issues will be minimized.

Batch Delivery

All of your tower sections will arrive at your site at the same time, ready to install. Your project manager can schedule cranes and other heavy equipment accordingly to save on rental fees and eliminate costly down time.



Delivery to Port or Site

In the United States, Korindo Wind has strong ties with a heavy haul partner so we can manage logistics from the port all the way to your project site.

One Plant, One QA Professional

Korindo Wind can cost-effectively deliver high quality sections anywhere in the world. If you are pursuing projects in multiple countries, you can place one quality assurance professional at our factory rather than many in the plants of multiple suppliers.

Local After-Sale Service

Independent inspectors go over your sections at the port, and Korindo Wind repairs any minor handling damage that may have occurred in transit. We also work with a nationwide network of maintenance and repair providers to address issues when your sections arrive at the site or after they are installed.

Exporting is Our Nature

Korindo Wind's manufacturing facility is right next door to the world. Indonesia has been an exporting country for centuries due to its centralized location and easy access to every continent. Our plant is less than a mile from the Port of Ciwandan, so we can deliver your tower sections cost-effectively anywhere around the globe.

Benefits

- Comprehensive Solution
- Proprietary Stacking Frames
- Shipping Cost Certainty
- Perfect On-Time Delivery Record
- Best Port Rates
- All Sections Arrive Simultaneously

Precision LogisticsSM: Comprehensive Solution, No Boundaries





Stability: Strength from Strength

Korindo Wind is a division of The Korindo Group, a multibillion-dollar company that serves diverse industries worldwide. Founded in Jakarta in 1969, Korindo comprises 14 divisions that have decades of experience in heavy manufacturing, logistics and other areas that are crucial to wind energy development.

Companies of The Korindo Group are engaged in timber and forest management; paper manufacturing and recycling; and the manufacturing of busses and trucks, parts for commercial vehicles, chemicals, palm oil, heavy vessels and containers. They are also in trading, financial services, insurance, real estate development, logistics and shipping.

Overall, The Korindo Group employs more than 30,000 people who export products and services to every corner of the world, including the United States, Japan, Korea, China, Singapore, Taiwan, Malaysia, India, the Middle East and Europe.

We've brought all of this experience and expertise to bear in structuring Korindo Wind to maximize value for our wind energy customers. And, with Korindo's financial strength behind us, we can put together pricing and logistics packages that other suppliers simply cannot match.

To learn more, go to www.korindo.co.id.

The Korindo Group

Multi-Billion-Dollar Company

40+ Years of Heavy Manufacturing
Experience and Expertise

14 Divisions

30,000 Employees Worldwide



Green: A Natural Extension

Sustainability is a way of doing business for Korindo Wind, as it is throughout all 14 companies of The Korindo Group.

Korindo was thinking green, focusing on conservation and operating in an environmentally responsible manner long before it was the popular thing to do. As just one example, Korindo's timber business ensures the future viability of forests by replacing every tree it harvests with five new ones.

Launching Korindo Wind as a tower supplier for global wind energy development has been a natural extension of that dedication. Korindo Wind minimizes activities that harm the environment and works to improve our environmental performance. We continuously search for new ways to enhance our environmental stewardship in our day-to-day operations.



Partnership: The Only Way We Do Business

With Korindo Wind, what you see is what you get. We want to form a long-term relationship with you, and the only way to do that is to be honest, straightforward and responsive from the moment we begin discussing your order through delivery and ongoing service. No hidden costs, no change orders, no runaround. Instead, we are always available to answer questions and ensure you get precisely what you expect exactly when you expect it. If you need something special or different along the way, we will do everything in our power to accommodate that need.

Let's Generate Some Power

Wind energy is about generating power, and the ability to do it effectively flows from the precision, the quality, of every component. Korindo Wind towers are manufactured, delivered and supported with precision every step of the way, and we won't be satisfied until you are.

To make Korindo Wind towers the foundation for your project, contact us today.

Kousa International
Exclusive Agent for Korindo Wind
3600 Wilshire Blvd., Suite 1404
Los Angeles, CA 90010
213-365-5500
info@korindowind.com



Kousa International
Exclusive Agent for Korindo Wind
3600 Wilshire Blvd., Suite 1404
Los Angeles, CA 90010
213-365-5500
KorindoWind.com



100% Recycled Fiber



PCF Processed
Chlorine Free

Printed on paper with 100% post consumer recycled fiber content, made carbon neutral and processed chlorine free. Printed with agri-based inks. The 100% Recycled Fiber, Carbon Neutral, and PCF logos are Registered Trademarks or Trademarks of Neenah Paper, Inc. Printed in U.S.A.