

UNI-CRAFT SOLUTION SPOTLIGHT

180° PRODUCT INVERTER



The Uni-Craft Solution: Secure 180° Rotation & Handling

UCC develops specialized material handling equipment designed around unique products and customer's shipping requirements. Rather than forcing oversized wind turbine blades into a standard handling process, UCC engineered a custom solution that safely secures, rotates, and positions blades for transportation.

- ✓ Equipment designed to fit
- ✓ Controls and accessories
- ✓ Design and training support
- ✓ Parts and service

Problem

A wind energy manufacturer needed a safe and efficient method to reposition large wind turbine blades for palletizing and shipment. Traditional blade flipping methods relied heavily on complex crane maneuvers, increasing handling time, operational complexity, and safety risks when rotating oversized components.

Our Solution

UCC engineered a custom 180° Product Inverter to safely and efficiently reposition large wind turbine blades for shipment. The system combines a 180° strongback upender with an integrated scissor lift clamping system that securely restrains the blade throughout the inversion process. Once loaded, the blade is clamped, rotated a controlled 180 degrees, and released for pallet placement and transport. By integrating clamping and inversion into a single machine, the solution simplifies blade handling, reduces reliance on complex flipping operations, and improves operator safety, positioning accuracy, and overall process efficiency.

Customer Profile

Market Segment: Renewable Energy Manufacturing
Application: Wind Turbine Blade Positioning & Shipping Preparation
Equipment: Custom 180° Product Inverter with Integrated Scissor Lift Clamp

Get In Touch

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