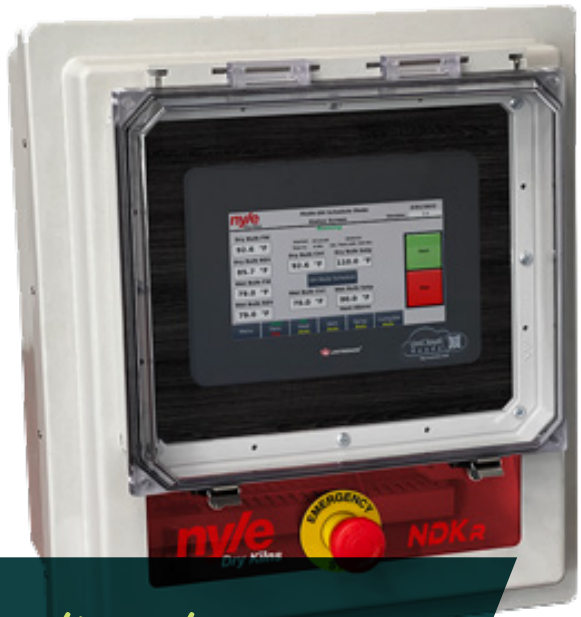
NDKR

Kiln Control Package

nyle Dry Kilns



Starting at

$14,995.00*

MADE IN THE USA WITH U.S. & IMPORTED PARTS

KEY FEATURES

Versatile Control Modes

The NDKR system offers multiple control options, allowing for precise adjustments and customization to suit various drying needs.

Built-In Energy Management

Integrated energy management system optimizes power usage, helping to reduce operating costs while maintaining efficient kiln performance.

Advanced Sensor Technology

Equipped with state-of-the-art sensors for accurate monitoring of temperature and humidity, ensuring consistent and reliable drying results.

Compatible with Any Kiln

Designed to be retrofitted to any kiln, regardless of the manufacturer, providing flexibility for existing setups without needing a complete system replacement.

About The NDKR

The NDKR controls package was designed for kiln operators by kiln operators and is capable of being installed on any kiln from any manufacturer. Our newest platform encompasses the company's goals of creating energy-efficient solutions for kiln drying, all while applying advanced functionality to reduce drying time without compromising quality.

*The "starting at" price is for the first controller and one KilnConnect edge box. Each subsequent controller will cost $7,900.

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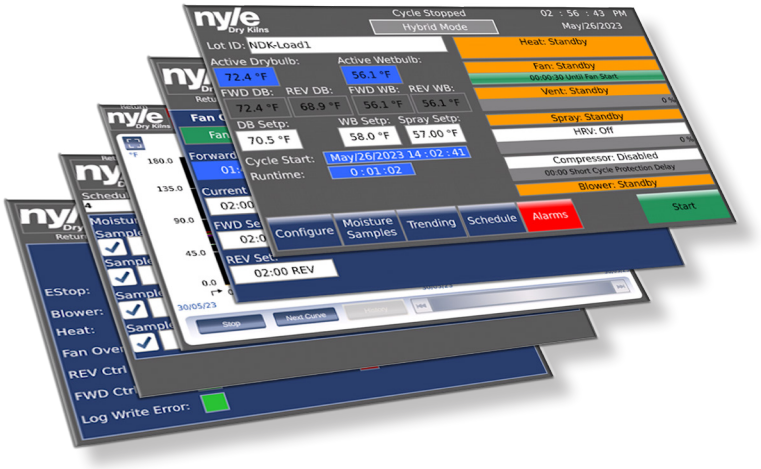
OPERATION MODES

DH Mode

Optimized for slower-drying hardwoods, this mode uses a compressor to remove moisture without heat loss, making it energy-efficient and maintaining consistent drying conditions by retaining heat in the kiln chamber.



Hybrid Mode

Combines traditional heat sources with dehumidification for versatile drying, automatically switching between primary & secondary heat sources to maximize moisture removal while minimizing energy use, making it suitable for fast-drying softwoods.

Conventional Mode

Ideal for general drying needs, this mode uses venting to control humidity, allowing you to reduce moisture levels efficiently by expelling excess humidity through vents while regulating temperature using spray controls.

Added Features

REMOTE ACCESS

DATA TRACKING

FLEXIBLE SCHEDULING

7” TOUCH SCREEN

nyle KILNCONNECT

Overview

Nyle's KilnConnect edge box, combined with NDKR controls, offers advanced functionality for larger operations, driving innovation by enabling facilities to share drying knowledge, standardize SOPs, and harness valuable data. This cloud-connected system provides SCADA-level control, historical data logging, and cutting-edge AI capabilities for a seamless, hands-off experience.

KEY FEATURES

Data Integration

Captures and expands data from each kiln across sites.

Analytics & Monitoring

Enhanced graphs, data analytics, & energy usage tracking.

Customizable Displays

User-specific dashboards for operators and managers.

AI-Driven Insights

Leverages IoT & AI for optimized operations and decision-making.

Benefits

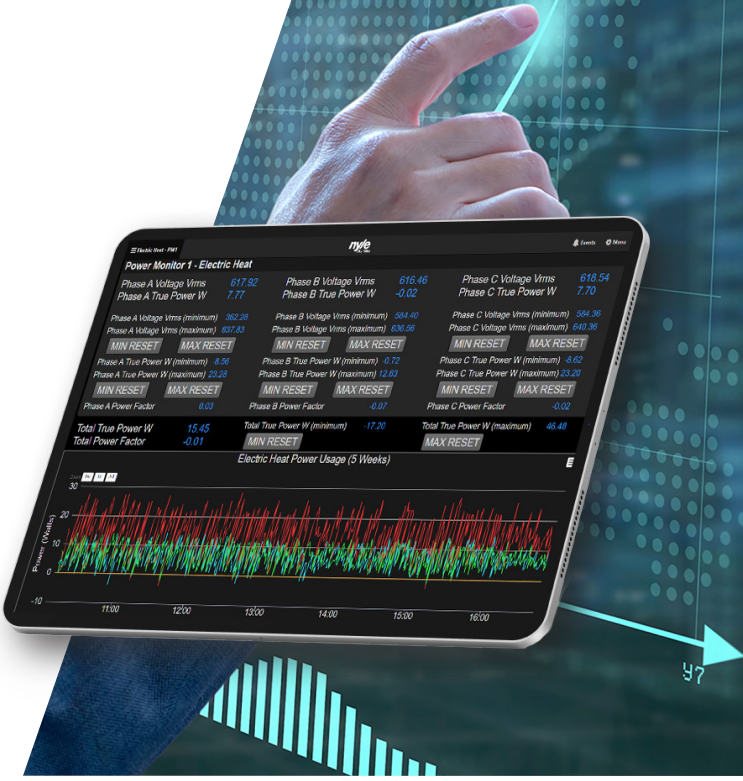
ENERGY EFFICIENCY: Track and compare energy usage across multiple sites.

ENHANCED CONTROL: Customize variables like cost per board foot and average drying time.

IMPROVED COLLABORATION: Facilitate the development of consistent SOPs and share best practices.

nyle EMS

ENERGY MANAGEMENT SYSTEM



Overview

The NDK Energy Monitoring System (EMS) is an advanced add-on to Nyle's NDKR Control platform, designed to optimize energy usage across the kiln drying process. This system allows real-time monitoring and control of power consumption for circulating fans, drying equipment, and pre-heating components.

KEY FEATURES

Comprehensive Monitoring: Track power usage for each part of the drying process.

Customizable Control: User-specific dashboards for operators and managers.

Reporting & Analysis: Generate ongoing or historical reports for fine-tuning operations.

Energy Efficiency: Tailor power usage to meet infrastructure needs while maintaining ideal drying conditions.

Customizable Installation: Includes power monitoring, sensors, & relay outputs, with initial programming by Nyle.

Why Choose Nyle's Energy Management System

The NDK Energy Monitoring System (EMS) offers kiln operators precise control over energy consumption, enabling significant cost savings and enhanced operational efficiency. With its flexible customization and powerful reporting capabilities, EMS ensures that your kiln operates at peak performance with minimal energy waste.

Contact Us

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