



Nicely's EG-8002 Series

Sustainable and versatile slitters

Taiwanese slitting and winding machinery supplier Nicely has recorded high demand for its models at the recent Labelexpo Europe 2023 in Brussels.

After successfully exhibiting at Labelexpo Europe 2023 in Belgium, Nicely has returned with an array of promising leads from the packaging and label industry. Despite concerns expressed by some sectors about a sluggish market, their observation indicates that market demand remains strong.

As highlighted in last year's C2 issue on slitting and winding, Nicely made an accurate prediction regarding a substantial surge in sales for their EG-8002 and EG-7008 series within the label & packaging industry due to high demand. This prediction has proven to be on point, with continued robust demand for Nicely's slitter rewinders across various packaging segments, involving paper packaging for food, composite label applications, and film-based packaging. This demonstrates the resilience and adaptability of the label and packaging industry in response to changing market dynamics and a growing emphasis on sustainable solutions.

In this article, Nicely shares three models with the C2 readers that garnered significant attention at Labelexpo Europe

2023, along with a successful case of repurposing older equipment sustainably.

Outstanding performance and automation advantages for large roll diameters

Let's start by exploring the features of the EG-8002 large roll diameter slitter rewriter. This model has been engineered to cater to a wide range of slitting applications, including large-format label materials (pressure-sensitive adhesive), film, paper composite materials, and thicker-range food packaging paper board.

One of the standout features of the EG-8002 is its centre winding mechanism, which enables precise tension control for thin & thick materials. This results in exceptional roll winding performance, ensuring the highest quality output for various materials.

In terms of technical specifications, the EG-8002 truly stands out with its capabilities. It accommodates a roller width up to 2600mm, boasts a maximum outer roll diameter of 1200mm, and operates at an impressive speed of up to 800m/min.

Beyond its exceptional mechanical configuration, the EG-8002 series incorporates comprehensive automation features that significantly enhance productivity and efficiency. Including:

- » Motorised web threading
- » Automatic knife positioning system
- » Motorised finished roll unloading, and add-on functions for weighing, packing, and palletizing finished rolls

For high-volume production requirements, the EG-8002 undoubtedly is a highly recommended model from NICELY.

Meeting diverse slitting requirements with top and bottom shaft winding

The EG-7008 series utilises a top-and-bottom shaft winding method, which is a widely adopted technique in the slitting industry, especially for film-based applications. This series is another favoured choice among professionals in the label and packaging industries. While it offers a slightly smaller roll diameter compared to the EG-8002, with a maximum of 800-900mm, it impressively maintains an operational speed of up to 600m/min.

The EG-7008 series offers a minimum slitting width of 25mm, greatly enhancing operational ease with its one-sided operation configuration. Additionally, the dual-shaft unloading method ensures a seamless transition from rewind section to automated conveyance, packaging, and palletizing. To simplify the downstream roll handling process, Nicely provides a comprehensive one-stop solution for customers seeking streamlined operations.

Exploring a new era of automated small roll label slitting

Small roll label slitters have been a longstanding cornerstone of Nicely's production lines, renowned for their stability and durability. Some of their customers still rely on the first-generation small roll slitter rewinders for their thermal cash roll applications. However, due to the intensifying price competition and the labour-intensive nature of these models, Nicely's EG-1N series have gradually faded from primary product offerings.



The EG-7008 series for diverse slitting requirements

In recent years, small roll slitter models have undergone significant transformations, driven by the surging demand, which has made it imperative to reduce reliance on labour-intensive processes and pushing for the development of fully automatic production lines. This evolution has garnered

significant attention in the field of linerless thermal labels and has accelerated production cycles for POS rolls.

At Labelexpo, Nicely's EG-1N01 fully automatic small roll slitter rewinder stood out as a captivating model. Its impressive suite of automation features includes:

Coating, Slitting and Laminating
perfectly combined

Continuous Coating
Special solution to your needs
We are ready to meet your challenge

Mathis
www.mathisgroup.com

Building facilities for laboratory and production

- Laboratory
- Chemical Industry
- Pharma
- Food
- Paper
- Textile
- Plastics
- Glass
- Rubber
- Metals

Market leaders are using Mathis technology

- » Automatic paper core loading
- » Automatic tail material cutting
- » Tail material adhesive application
- » Finished roll conveying, and finished roll bagging/boxing

Responding to the growing demand from customers for reduced paper core consumption, the EG-1N01 small roll slitter (1" & 1.5") introduces coreless roll winding capabilities. This innovation not only leads to a decrease in paper core usage but also aligns with users' sustainability goals.

Sustainable upgrades: Driving the retrofit revolution for eco-friendly slitter rewinders

In the realm of sustainability, we all have vital roles to play in exploring ways to achieve growth while respecting the limits of finite resources. Nicely's commitment goes beyond their own sustainable development; they are dedicated to partnering with customers to jointly pursue this goal.

Nicely proposes to their customers the opportunity to meet evolving market demands with their existing slitter equipment. The company offers comprehensive solutions for upgrading older slitters. This approach ensures that replacing outdated equipment with brand-new ones is not the sole option, thereby promoting the concept of sustainable utilisation.

Leveraging extensive design and manufacturing expertise, Nicely has initiated the process of upgrading primary and secondary slitter rewinders, ranging from 3m to 8m, whether they are Nicely-branded or from other manufacturers.

In the past, Nicely has successfully reinvigorated primary slitters of a discontinued brand in the market. This year, they accomplished a retrofit project for a 6.5m primary slitter rewriter in the United States. This project enabled their customer to use the machine for slitting new materials for the market. The modification project encompassed various aspects, including

- » Update of hydraulic control systems with energy-efficient motors
- » Upgrade of main motors to energy-efficient ones
- » The enhancement of winding tension through the replacement of contact pressure rollers, and the implementation of numerous other improvements
- » The replacement of the PLC controller with a highly efficient control and drive system
- » A complete overhaul of the human-machine interface system, enabling data-driven production monitoring

This successful retrofit project is a crucial part of Nicely's dedication to environment-friendly upgrades. Besides being proud of their strong skills, they greatly value helping customers modernise their equipment for new purposes and, most importantly, working together to promote environmental sustainability. ■

Image sources: Nicely



The Nicely team at Labelexpo Europe 2023