



**PULP & PAPER**

# **ANDRITZ KÜSTERS MULTI MASTER UPGRADE**

**HIGHEST QUALITY,  
STATE-OF-THE-ART**



**ANDRITZ**

**ENGINEERED SUCCESS**

# Multi Master Control System

High-performance production equipment and maximum availability are a must for today's papermakers. In order to meet these increased requirements, control systems for machines must also be state-of-the-art. As a reliable and long-term partner, ANDRITZ Küsters offers you comprehensive services for your Multi Master control system with regard to the latest hardware and software solutions.

The ANDRITZ Multi Master Control System is a scalable, modularized control system for process applications in automation. The system is a combination of a hardware device, programmable logic controllers (PLC), and the software applications of the ANDRITZ Multi Master Control System.

In addition to the standard functions of a modern visualization system, the system includes displays, functions and control algorithms, that are commonly used in the continuous production of material webs with bending and zone-controlled rolls, presses and calenders. These reliable control algorithms and functions are optimally adapted to the ANDRITZ Küsters roll family and deliver high-quality products fast in line operation.

Available as a stand-alone system or integrated into DCS systems.

## FEATURES

- Process control
- Data acquisition
- Long term data recording
- Visualizing, operating (HMI)
- Alarm management
- Recipe management
- Monitoring, analyzing
- Trending, reporting
- Auto data backup
- Open data interfaces

## SPECIAL APPLICATIONS IN CALENDERING

- Line force and pressure control
  - User interface for CD Line force profiles
  - Optimization pressure values
  - Pressure control
  - Force monitoring
- QCS cross profile control with CLOSED LOOP
  - CD caliper control
    - Up to 10 rolls/scanner in the PM
    - PrimeRoll MHV - PrimeRoll S EdgeTrim
    - Product data management
    - CD Control with lab measurement data

SUPPORT OF THE WHOLE ANDRITZ KÜSTERS ROLL FAMILY!



# Upgrade solutions

Based on your current system, ANDRITZ would like to take this opportunity to inform you that a major upgrade will be required in the foreseeable future to ensure full functionality and flawless operation.

The Multi Master system has been in use for almost 30 years and has always been kept up to date with the latest technology to fulfil new requirements. To ensure that your system remains safe and reliable in the future, we recommend a system update. This will ensure that your system meets current and future requirements. Regarding cyber security, the system now supports OPC UA instead of using OPC DA, which offers increased security.

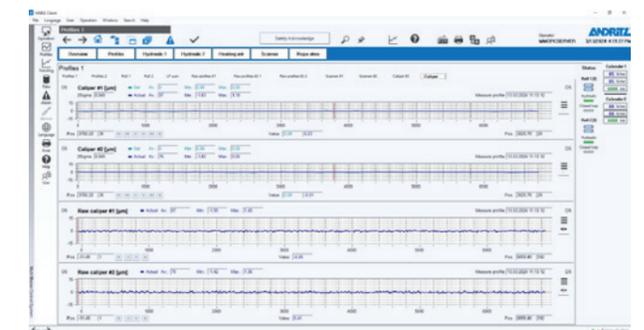
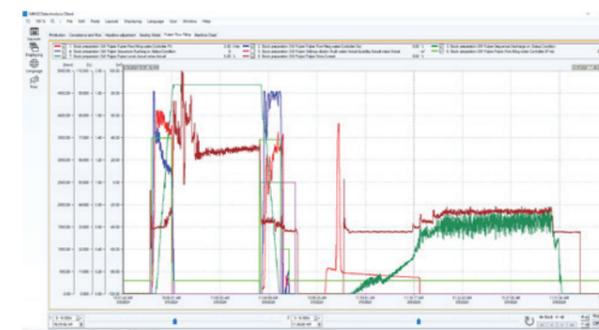
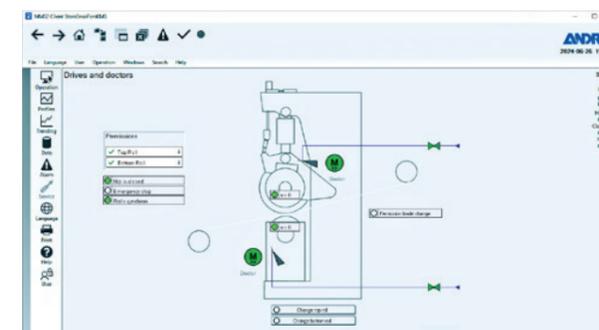
The updated hardware and software components are supported longer on the market and keeps your system maintainable and more secure.

The Multi Master System is ready to be integrated into the Metris All-in-One digitalization platform. The Metris All-in-One digitalization platform provides full support for the very latest state of the art in the advanced digitalization solutions. For more information about the Metris technology, please contact us.

ANDRITZ looks forward to a cooperation to implement these customized upgrade packages according to your needs.

## SYSTEM IMPROVEMENTS

- Support Windows operating system family (Win Server, Win 10, Win 11)
- Support virtualization
- OPC UA
- Hot backup solution
- Modernized UX design
- Usability improvements
- Flexible integration options into DCS systems like PCS7
- Trend extensions
- Improved process objects and Face plates
- Ready for integration into the Metris All-in-One digitalization platform
- Improved cyber security requirements





## **PrimeService FOR TISSUE, PAPER AND BOARD: IMPROVE YOUR MACHINE PERFORMANCE**

ANDRITZ supplies spare parts and engineered wear products and provides customer-specific maintenance and upgrade services for your paper mill – from stock preparation to the reel, including automation solutions and pumps.

Our service specialists are skilled and experienced at raising the production efficiency of a machine, process step, or production line. Their knowledge helps protect and extend the life of your equipment and lower your overall operating costs. The huge variety of ANDRITZ upgrade products provides performance improvements, energy and cost savings as well as return on investment (ROI) within the shortest time. We work closely with you to monitor, maintain, repair, and upgrade your assets. Full technical, mechanical, and personal support is provided to you regardless of who originally manufactured your equipment.

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