

FRONTMATEC

By **Fortifi**

REFURBISHMENT CO2 STUNNING SYSTEM

Extend the life of your CO2 stunning system with Frontmatec's refurbishment solutions. Improve efficiency, reduce downtime, and ensure optimal performance with minimal disruption to your operations.



WHY UPGRADE? THE CHALLENGES OF AGING CO2 STUNNING SYSTEMS

After years of heavy operation, your CO2 stunning system may no longer perform at its peak. Increased wear and tear lead to higher maintenance costs, reduced efficiency, and unplanned downtime - directly impacting your bottom line.

At Frontmatec, we understand the critical role stunning systems play in your production line. That's why we offer a complete refurbishment solution that revitalizes your system with the latest technology while minimizing disruption to your operations.

Common Challenges Faced by Meat Processors:

- **Reduced Efficiency:** Aging hydraulic systems struggle to maintain optimal performance.
- **Increased Maintenance Costs:** Frequent breakdowns and expensive spare parts drive up operational expenses.
- **Unexpected Downtime:** Unreliable components lead to interruptions in production.

- **Outdated Technology:** Older control systems lack the precision and energy efficiency of modern alternatives.

With the Frontmatec Refurbishment Kit, we offer a seamless upgrade that enhances reliability, lowers maintenance costs, and extends the lifespan of your stunning system.



Is Your Stunning System Losing Efficiency?

Over time, CO2 stunning systems experience wear and tear, leading to increased downtime, rising maintenance costs, and declining performance. Frontmatec's Refurbishment Kit revitalizes your system with cutting-edge technology, reducing operational costs and ensuring maximum efficiency—all with minimal downtime.

STATE-OF-THE-ART UPGRADES FOR MAXIMUM PERFORMANCE



Frontmatec's refurbishment package is designed to restore your CO2 stuning system to peak performance by integrating cutting-edge technology and advanced engineering.

Our solution replaces outdated components with high-quality, energy-efficient alternatives, ensuring long-term operational benefits.

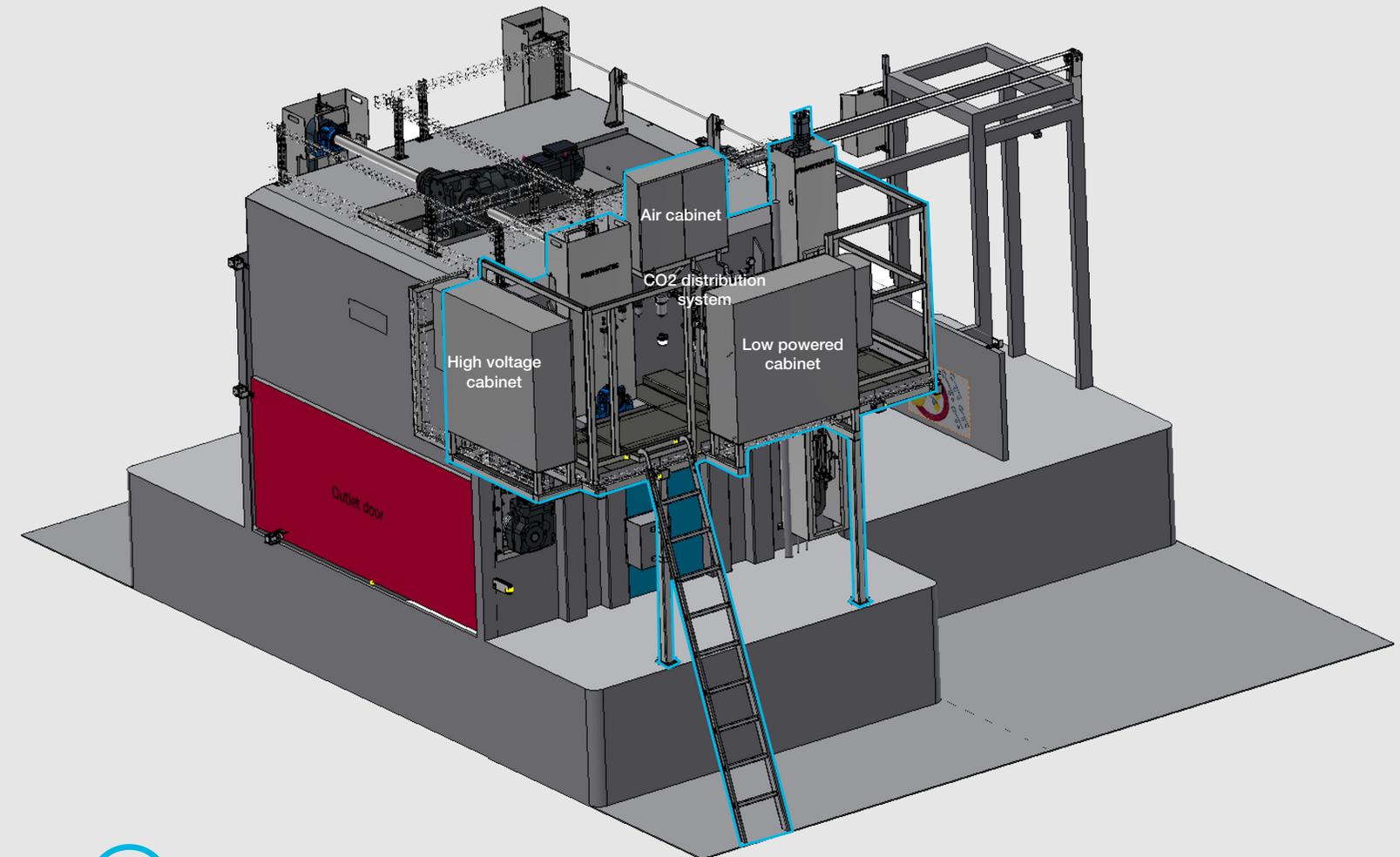
Basic Upgrade Package – Core Components

- **Platform Station:** Enhanced accessibility with redesigned service areas and electrical cabinets.
- **Main Drive Unit:** Upgrade to Siemens Servo motor for higher precision, energy efficiency, and longer lifespan.
- **Tip-Out Device:** Engineered for optimal performance, moved externally for effortless maintenance.
- **Hoisting Unit:** Newly designed lifting system with a durable toothed belt, reducing wear and maintenance needs.
- **CO2 Management System:** A completely new gas distribution system, with an optional CO2 extraction system for enhanced environmental control.
- **New Electrical System:** Complete replacement of cables, switchboards, and control panels, ensuring compliance with modern industry standards.

Optional Upgrades for Further Optimization

- **New Chain & Gondola System:** Increases operational stability and extends component lifespan.
- **Refurbished Preloader System:** Reduces manual labor and improves efficiency in both Frontmatec and Butina configurations.
- **Cleaning & Hygiene Optimization:** Fully automated cleaning system to improve food safety and regulatory compliance.
- **Evacuation & Ventilation Upgrades:** Enhanced airflow control for improved worker safety and CO2 management.

By implementing these upgrades, you not only enhance equipment performance but also reduce maintenance time, improve worker safety, and lower operational costs.



Choose your upgrade today!

Frontmatec's refurbishment kit replaces hydraulics with servo, updates the electrical system, and ensures cost-effective service. It also includes platform, main drive, tip-out, hoisting unit, lubrication, CO2 management, infeed loader, and new control panels.

Options: Additional components like conveyors, sump pump, ventilation, and cleaning system.

Main changes: Improved access, Siemens gear servo, external tip-out and hoisting units, optimized lubrication, and full electrical upgrades.



UPGRADE WITH CONFIDENCE – THE BENEFITS OF FRONTMATEC’S REFURBISHMENT SOLUTION

Investing in the refurbishment of your CO2 stuning system is more than just a maintenance update - it's a strategic decision to future-proof your operations. By upgrading to the latest technology, you gain:

Increased Efficiency & Productivity

Servo-driven systems improve throughput and consistency, leading to better overall performance.

Lower Maintenance Costs & Reduced Downtime

Eliminating hydraulics minimizes wear and tear, reducing service frequency and costs. Relocating sensors, tipout and hoisting unit to the outside.

Enhanced Reliability & Longevity

New electrical components and optimized mechanics extend the system's operational lifespan.

Energy Savings & Sustainability

Servo technology uses less energy, and the updated CO2 management system reduces gas consumption.

Compliance with the Latest Industry Standards

Ensures adherence to regulatory requirements for food safety, animal welfare, and workplace safety.

Seamless Integration with Frontmatec's Service & Support

Gain access to Frontmatec's global service network, ensuring long-term technical support and spare parts availability.

Maximize the return on your investment with a refurbishment solution that enhances performance, reliability, and cost-efficiency.

FRONTMATEC

By **Fortifi**

Frontmatec develops world-leading customized solutions for automation in the food industry, other hygiene sensitive industries and the utilities industry. We are especially renowned for our high-quality systems for the entire value chain of the meat industry – from carcass grading, slaughter lines, cutting and deboning lines, hygiene systems and control systems, to logistics and packaging.

Barcelona, Spain
Phone: +34 932 643 800
E-mail: barcelona@frontmatec.com

Beckum, Germany
Phone: +49 252 185 070
E-mail: beckum@frontmatec.com

Birmingham, UK
Phone: +44 121 313 3564
E-mail: birmingham@frontmatec.com

Grodzisk Mazowiecki, Poland
Phone: +48 227 345 551
E-mail: grodzisk@frontmatec.com

Kansas City, MO, US
Phone: +1 816 891 2440
E-mail: kansascity@frontmatec.com

Kolding, Denmark
Phone: +45 763 427 00
E-mail: kolding@frontmatec.com

Lünen, Germany
Phone: +49 2306 7560 680
E-mail: lunen@frontmatec.com

Rijssen, the Netherlands
Phone: +31 886 294 000
E-mail: rijssen@frontmatec.com

Shanghai, China
Phone: +86 215 859 4850
E-mail: shanghai@frontmatec.com

Skive, Denmark
Phone: +45 975 250 22
E-mail: skive@frontmatec.com

Smørum, Denmark
Phone: +45 445 037 00
E-mail: smoerum@frontmatec.com

St. Anselme, QC, Canada
Phone: +1 418 885 4493
E-mail: quebec@frontmatec.com

Tandslet, Sydals, Denmark
Phone: +45 744 076 44
E-mail: tandslet@frontmatec.com

frontmatec.com