





# ROLLER MILL UPGRADES

IMPROVING THE  
PERFORMANCE OF  
EXISTING ROLLER MILLS

GERALD RICHARDSON





# ABOUT US



ESTABLISHED IN 1986 | MARYLAND, USA



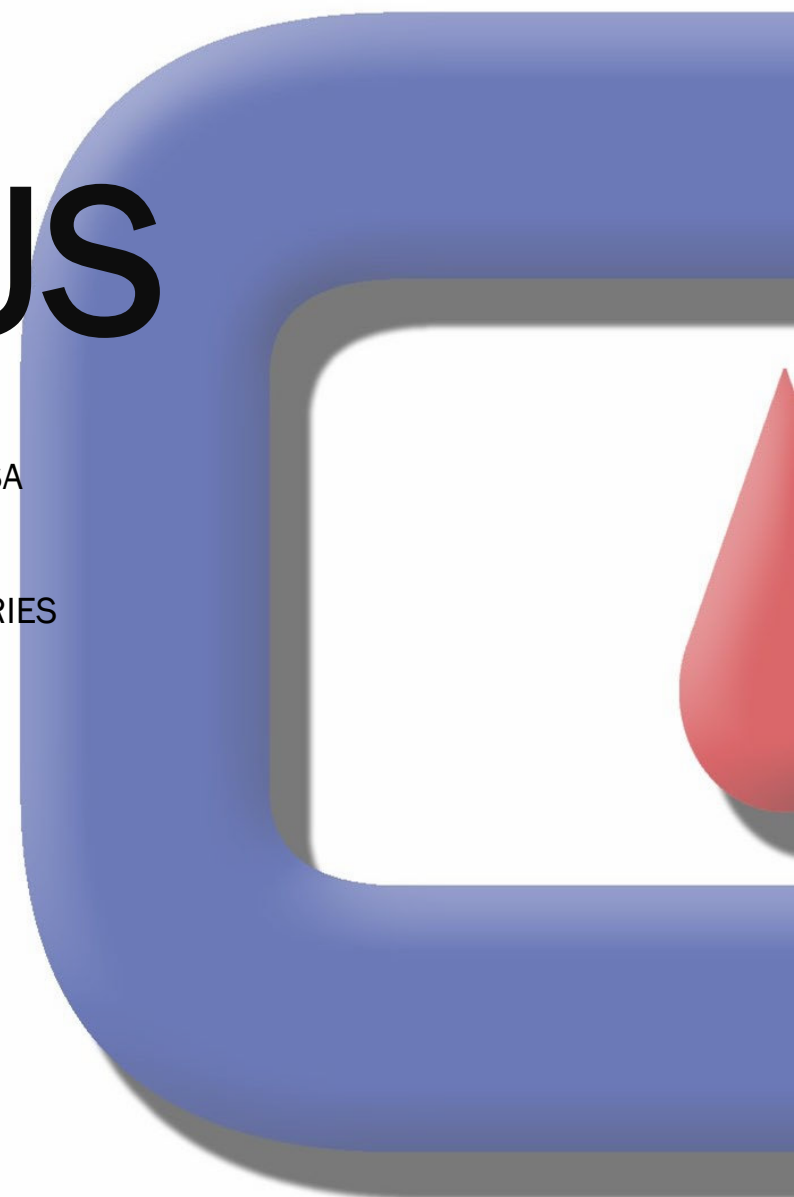
MILLING & FOOD PROCESSING INDUSTRIES



OUR MISSION



REPRESENTATION & PARTNERS



# KEY POINTS

## WHY CONVERT?

- BENEFITS

## FEATURES

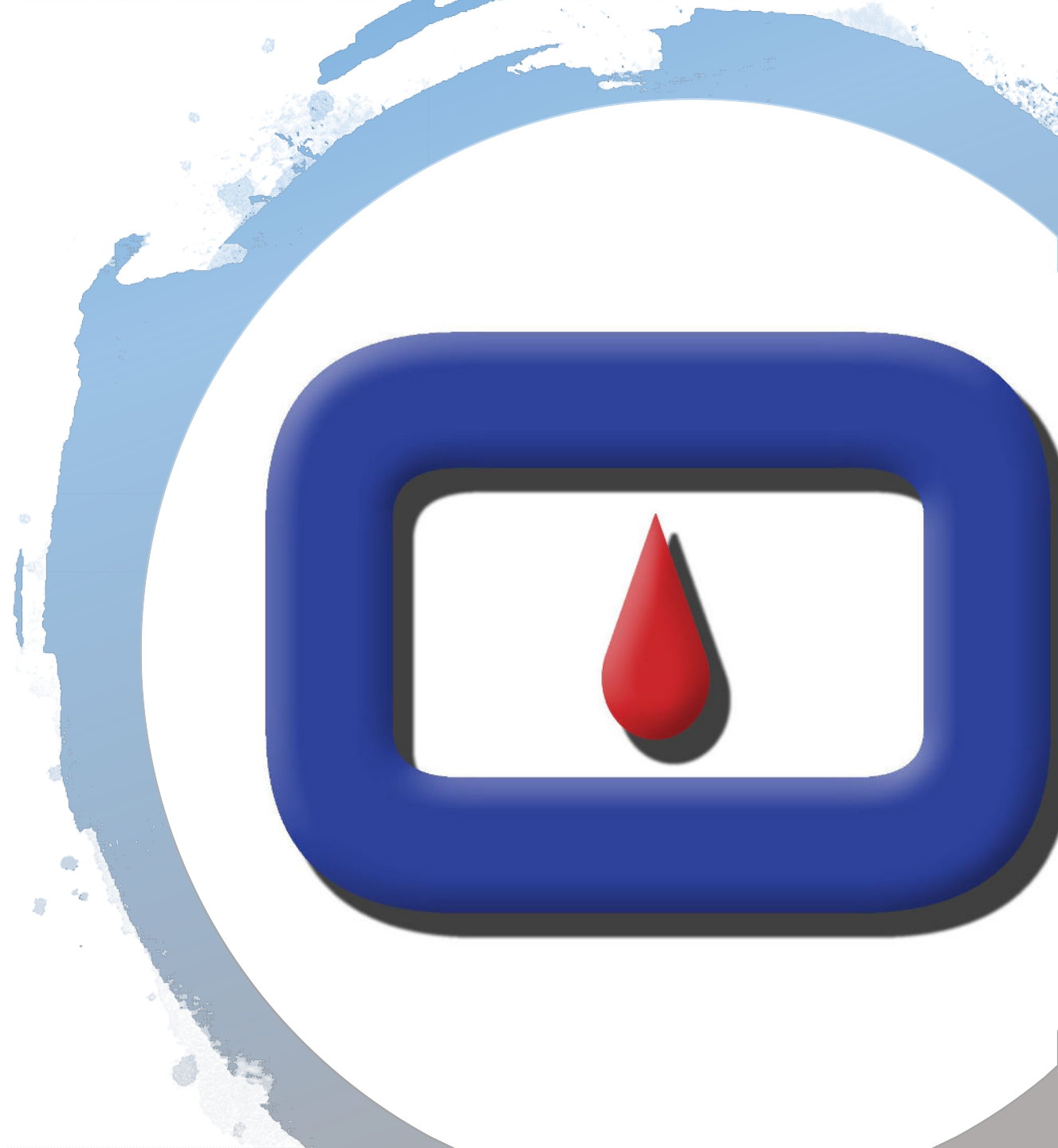
- TECHNICAL  
SPECIFICATIONS

## INTEGRATION

- INSTALLATION
- COMPATABILITY

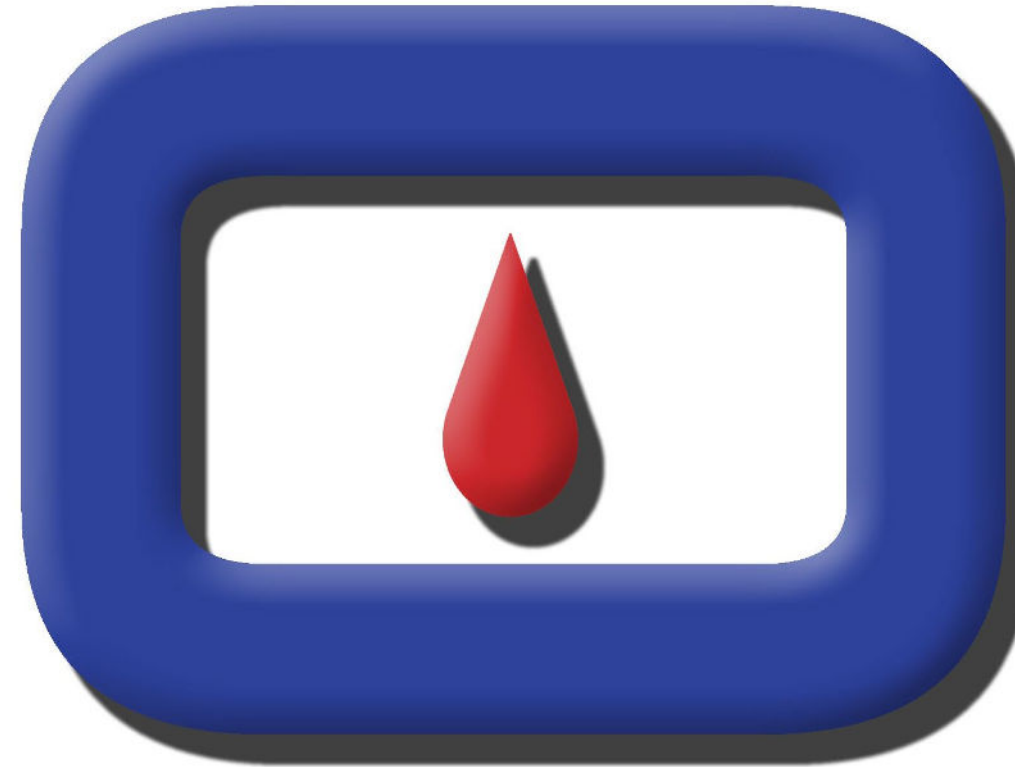
## SERVICES

- COMMISSIONING
- OPTIONS



# BENEFITS

- CONSISTENCY IS ONE OF THE MOST CRITICAL FACTORS IN MILLING.
- INEFFICIENT & DEFECTIVE EQUIPMENT CAN COMPROMISES FLOUR PRODUCTION.
- ROLLER MILL CONTROL IS VITAL TO PRODUCING A CONSISTENT FINAL PRODUCT.



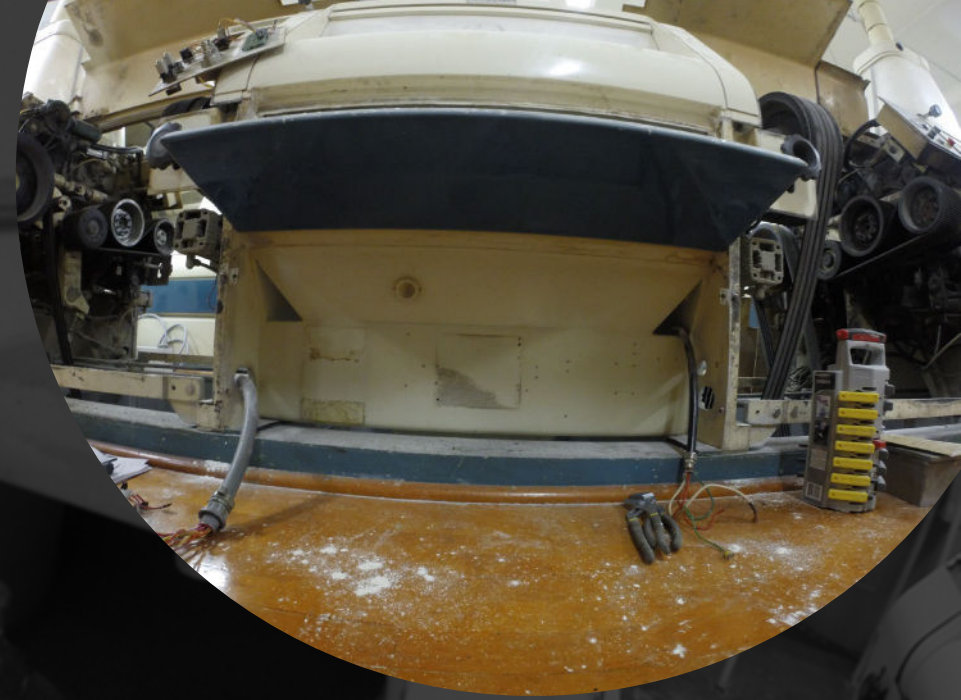


# AGING EQUIPMENT

CONSISTENCY

COMPROMISED  
PRODUCTION

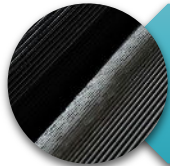
ADDITIONAL  
DRAWBACKS.  
DOWNTIME



# WHY UPGRADE?



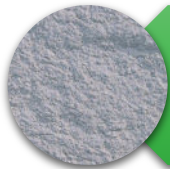
SPARE PARTS



EXTENDS LIFE



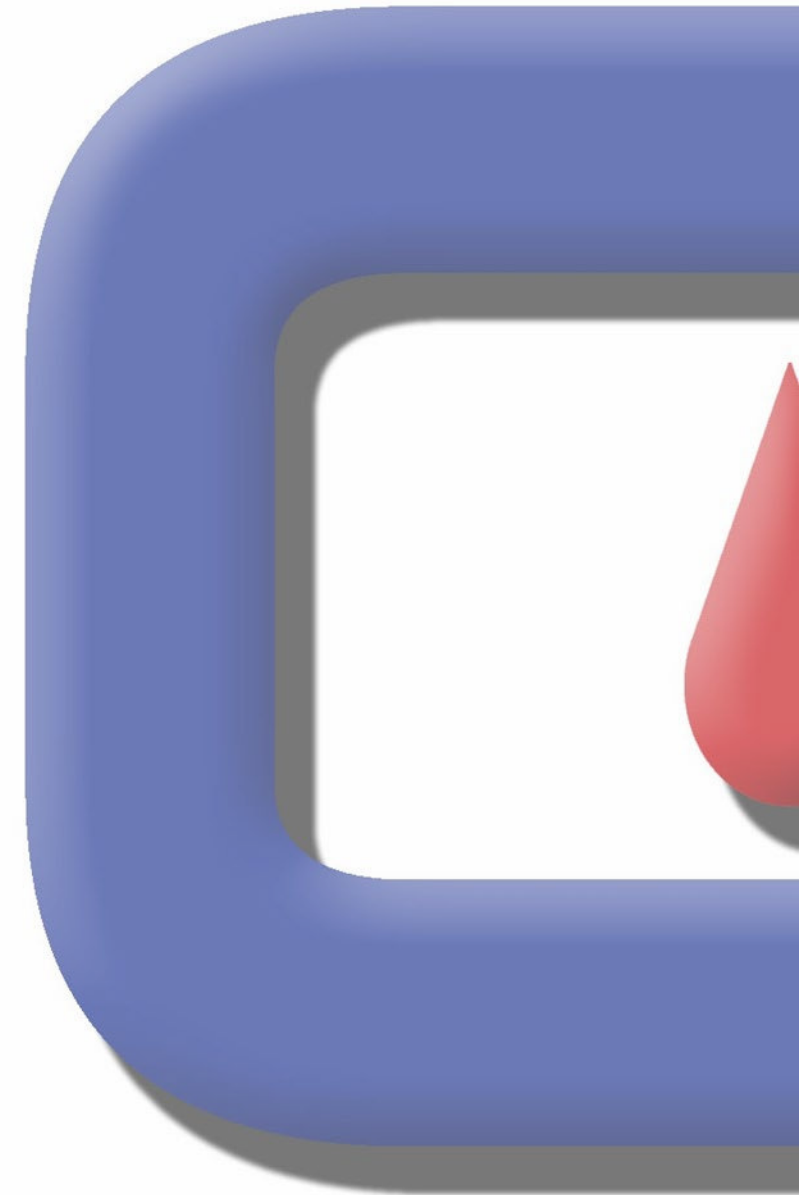
SAVINGS



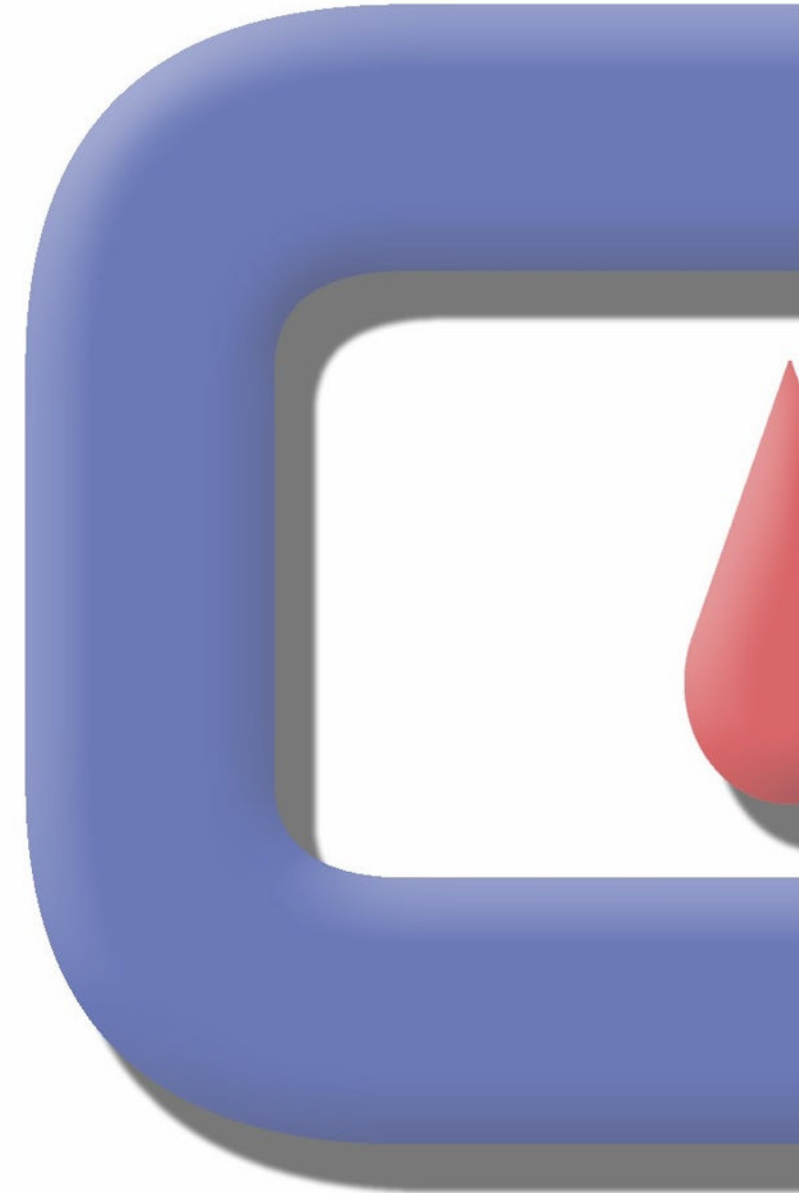
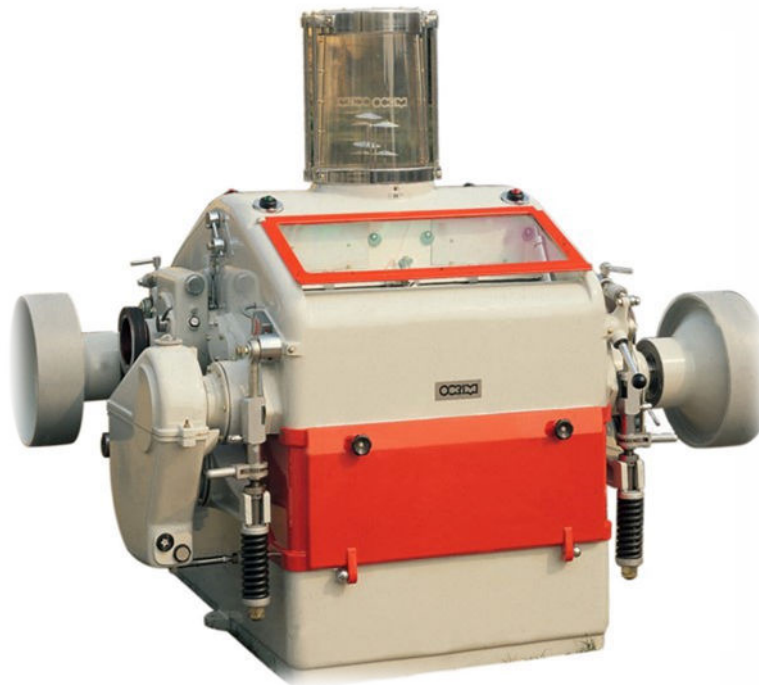
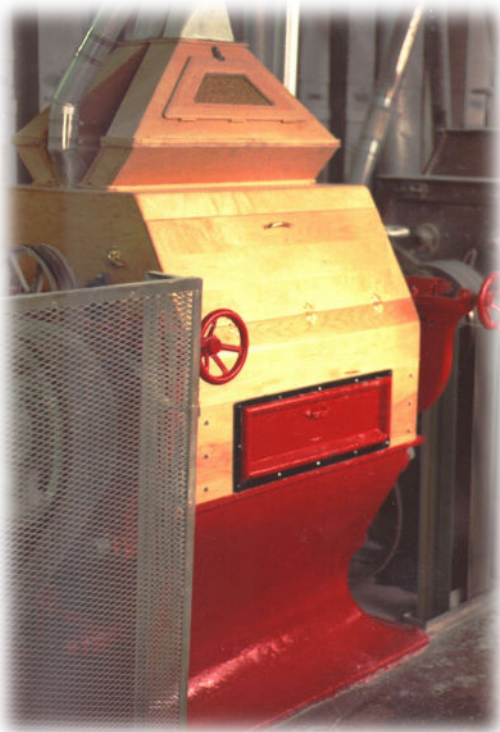
YIELD INCREASE



CUSTOMIZABLE

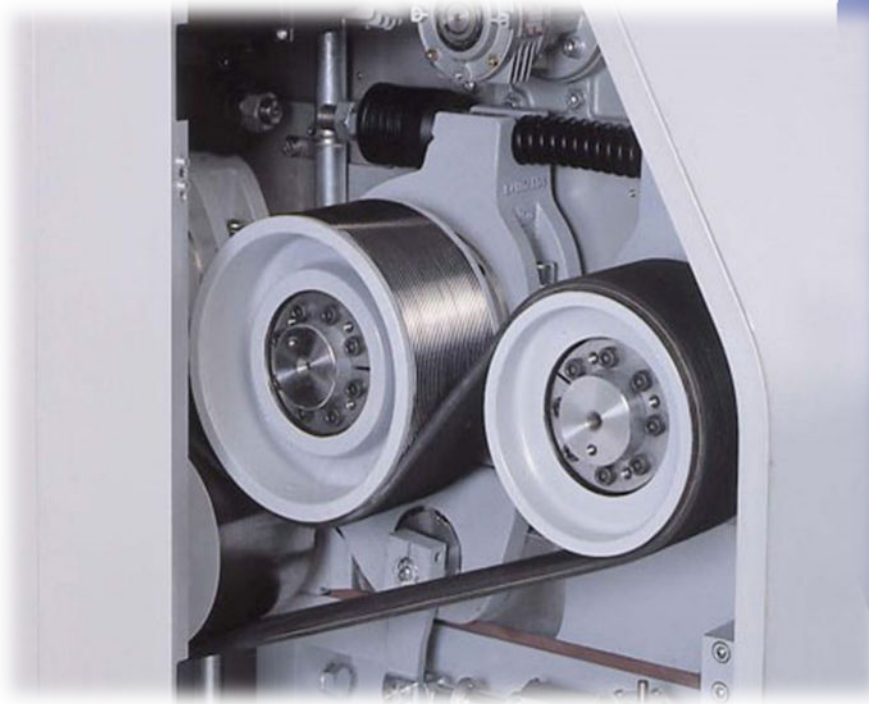
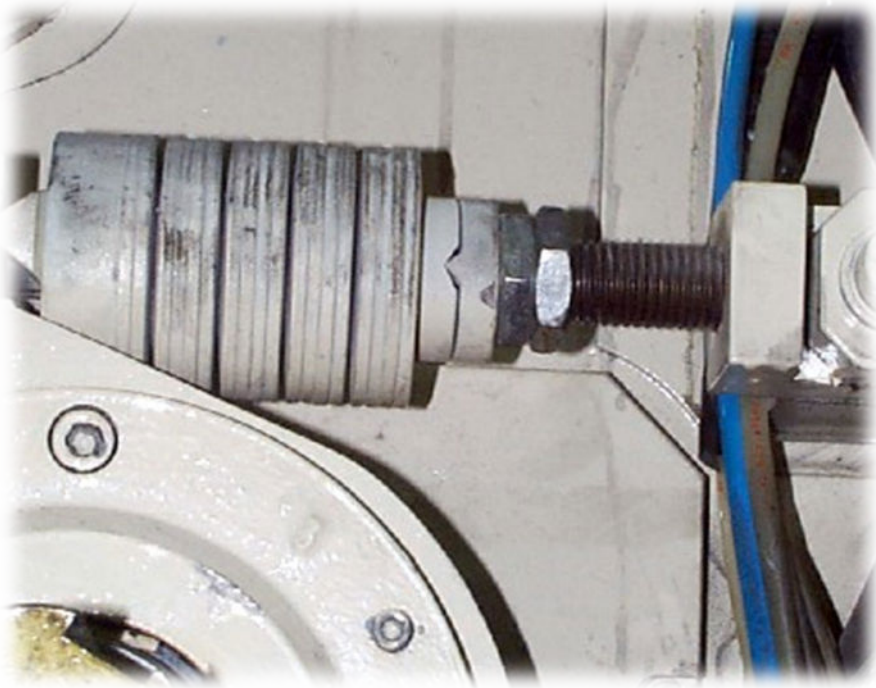


# WHICH ROLLERMILLS ARE WORTH UPGRADING?

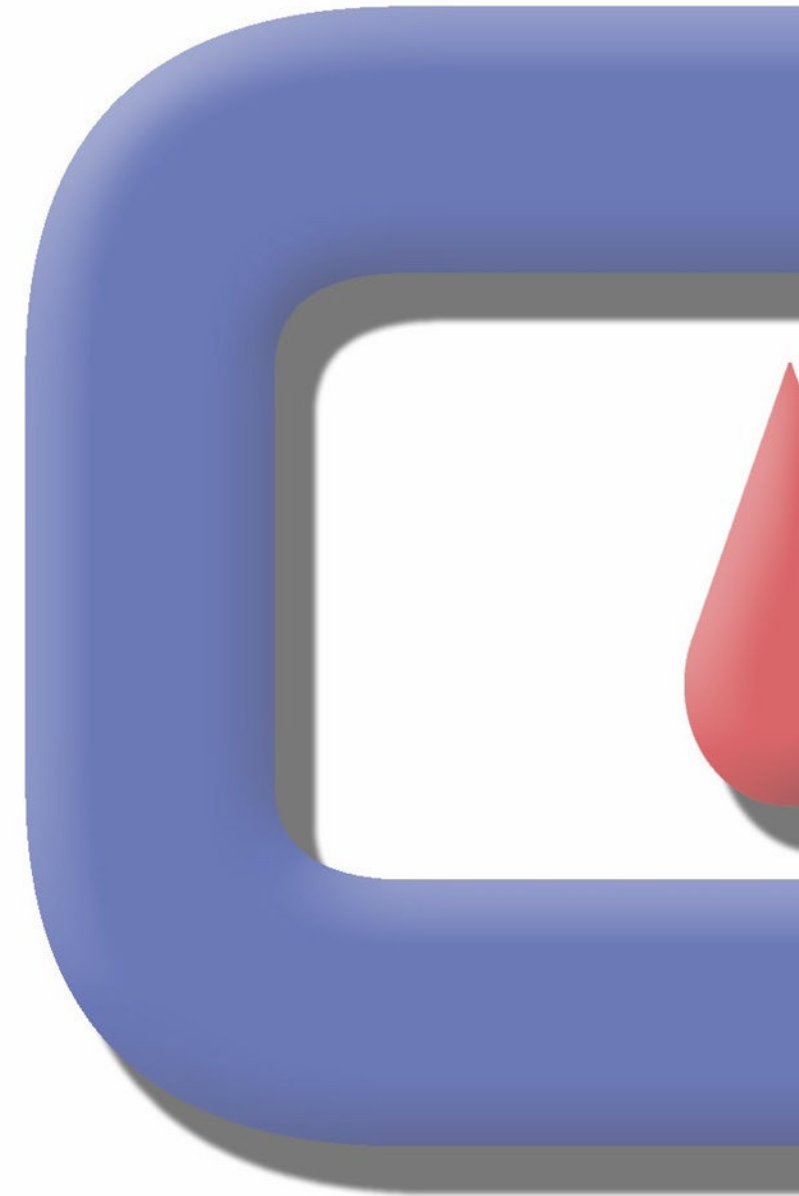
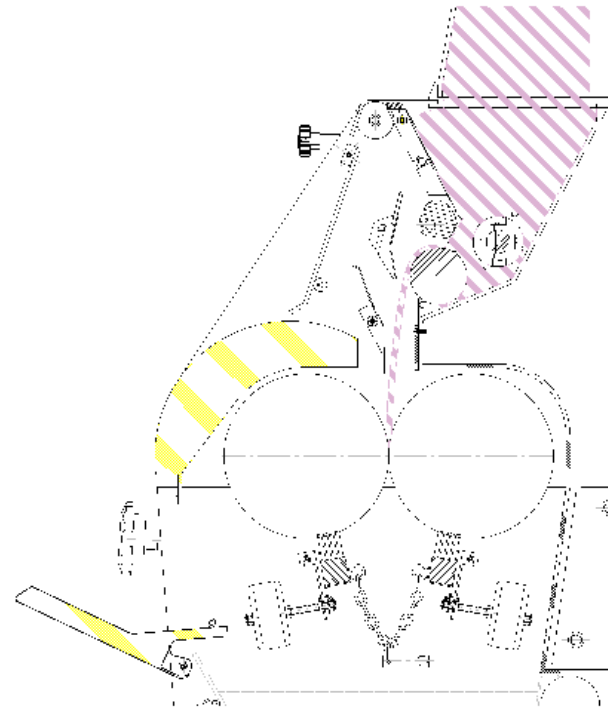




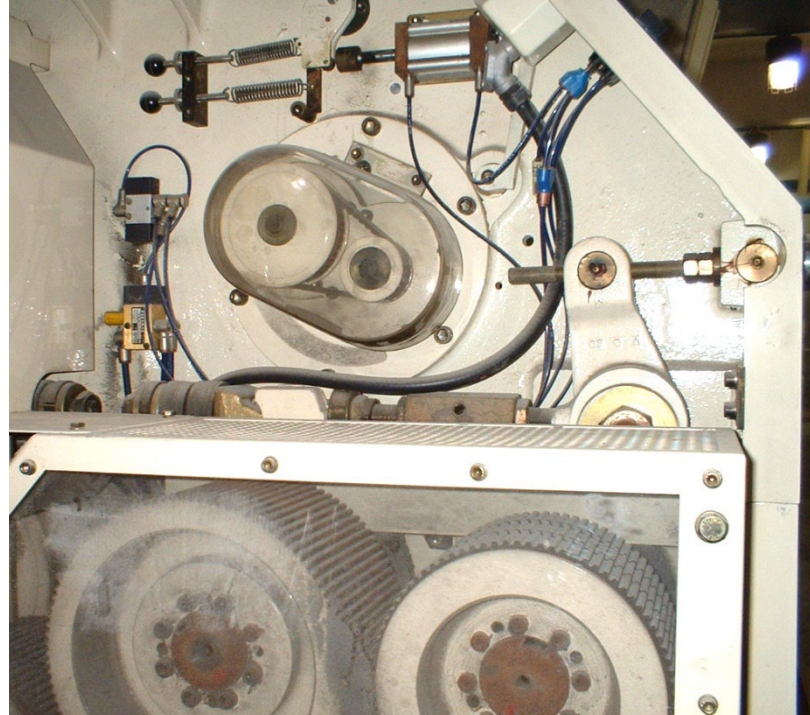
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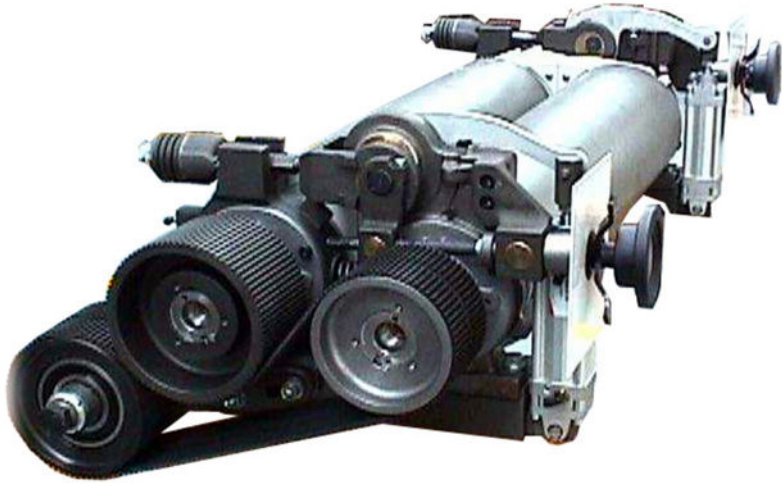


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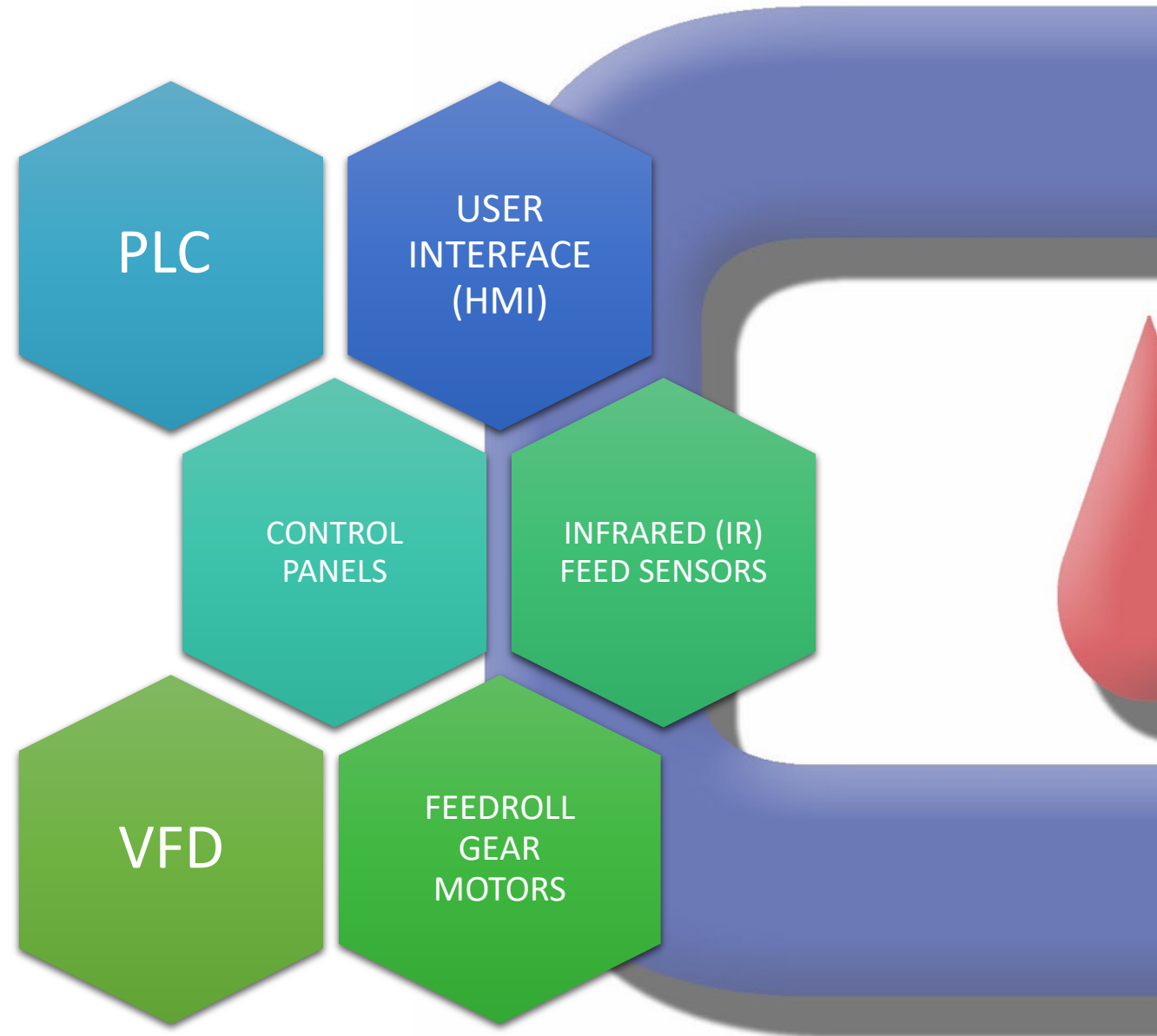
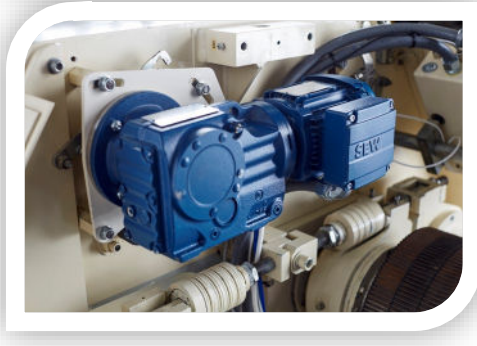
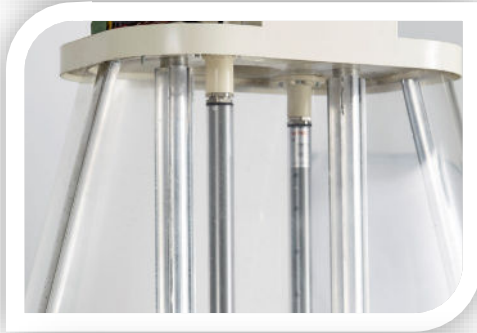


# WHAT DOES A NEW ROLLERMILL OFFER?





# THE MAKEUP



# PROGRAMMABLE LOGIC CONTROLLER (PLC)

## WHAT IT CONTROLS

- START/STOP
- FEED
- PRODUCT LEVEL
- SENSOR INPUT/OUTPUT
- PNEUMATIC ACTUATION



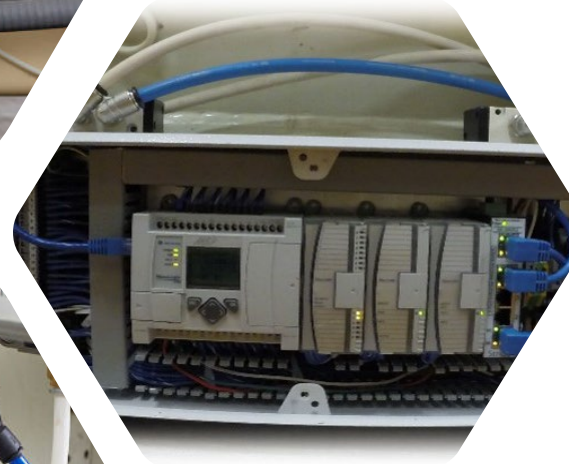
# TOUCH SCREEN USER INTERFACE (HMI)

## KEY FEATURES

- CUSTOMIZABLE PAGES
- USER LEVEL SECURITY
- SYSTEM DATA
- RUNTIME
- REMOTE ACCESS
- ROLL ENGAGE/DISENGAGE
- PROBE CALABRATION
- ALARMS
- NEW ENCLOSURE
- MOUNTS TO EXISTING FRAME/CHASIS







# CONTROL PANEL ENCLOSURES

## THE BRAINS OF THE KIT

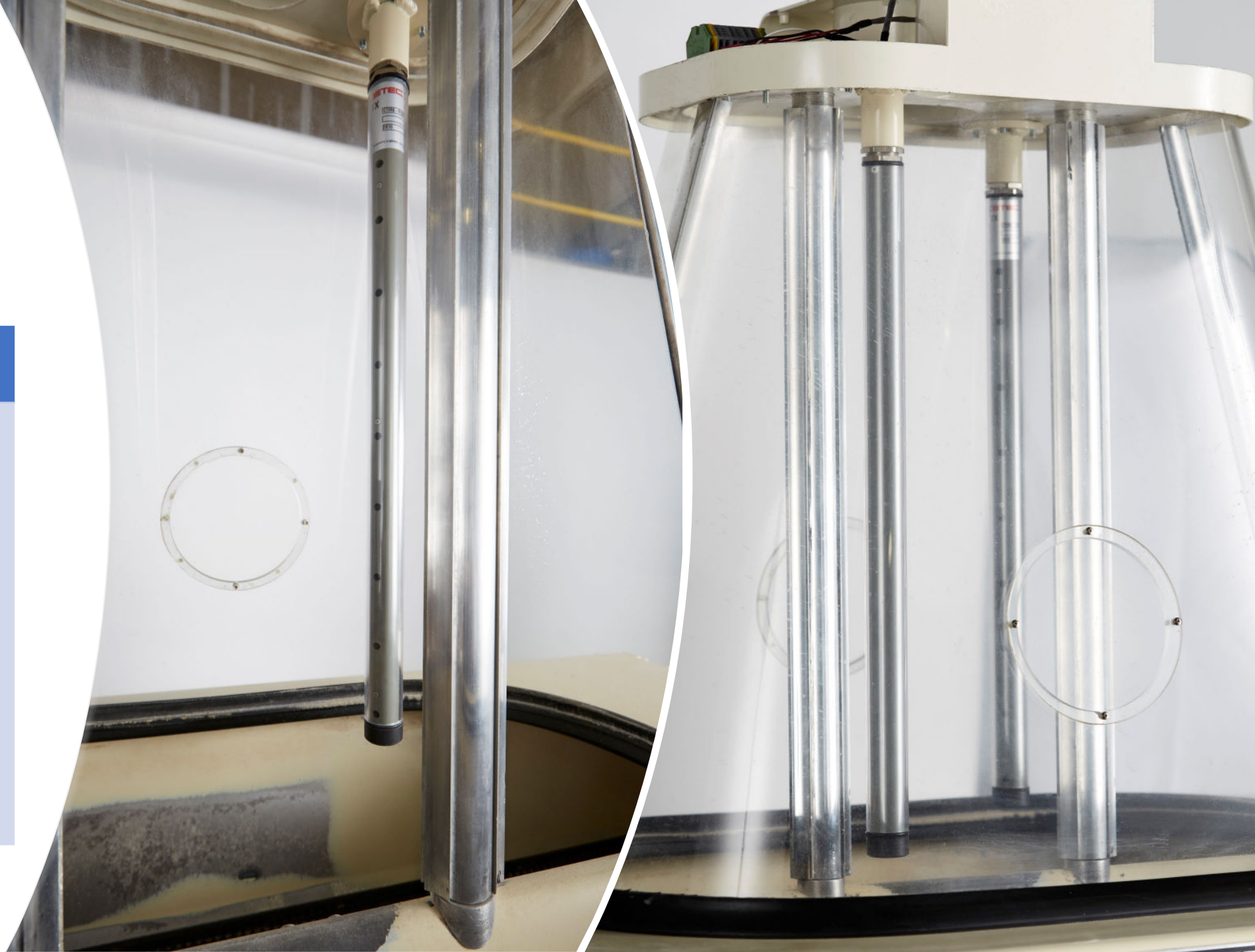
- 2x ENCLOSURES
- DUST PROOF
- LIQUID TIGHT CONDUIT
- PRE-ASSEMBLED
- MOUNTED ON STAND CHASIS



# INFRARED (IR) FEED SENSORS

## KEY FEATURES

- SINGLE OR DOUBLE FEED COMPATIBLE
- MOUNTS TO EXISTING HOPPER CAPS
- IMPROVED LEVEL CONTROL
- RELIABLE SENSING
- EXTENDS LIFE OF ROLLS
- NON-DUST INHIBITED



# VARIABLE FREQUENCY DRIVE (VFD)

## KEY FEATURES

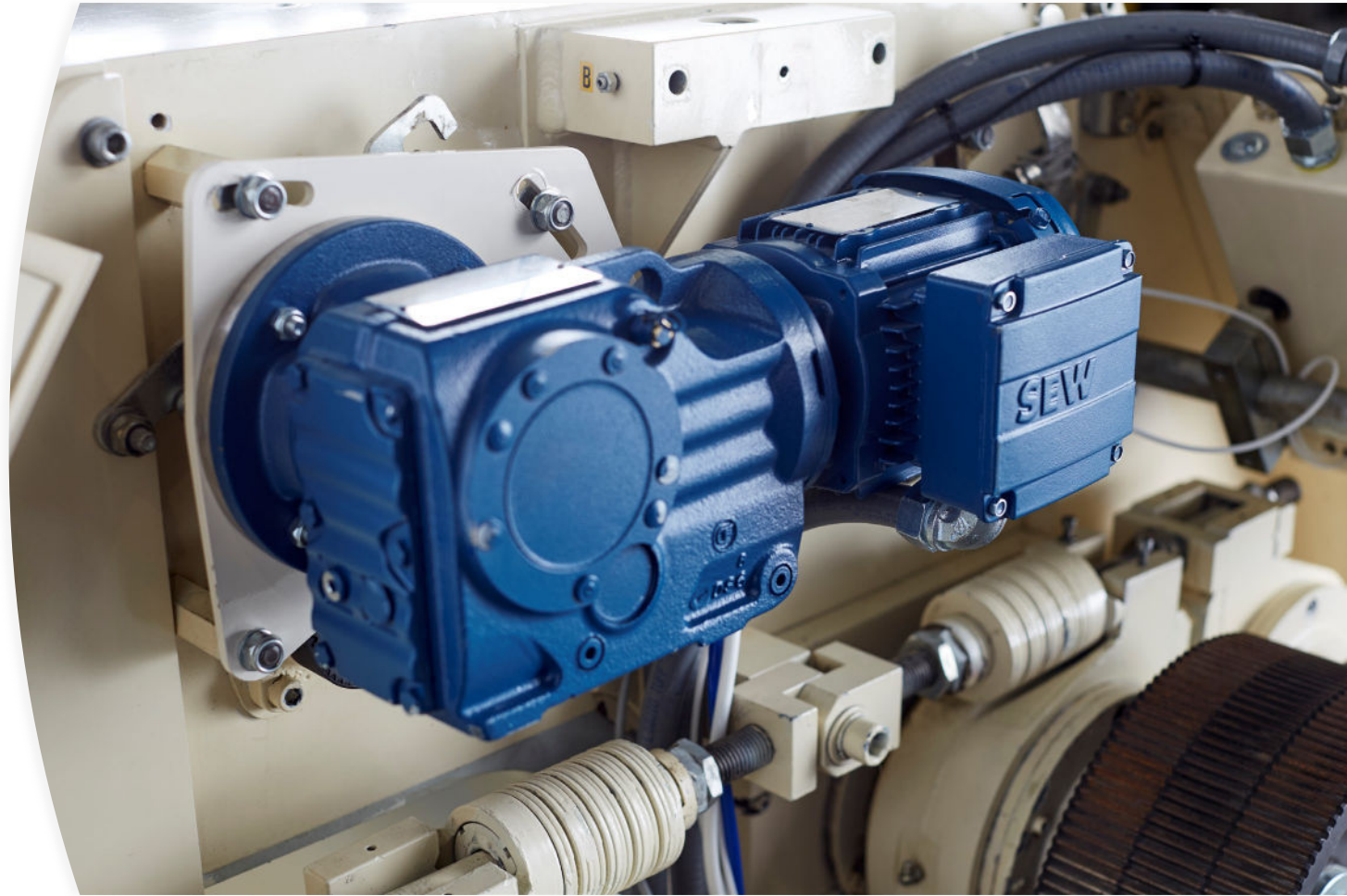
- CONTROLS FEED-ROLL MOTORS
- CONFIGURED TO MILL POWER SOURCE
- LOCAL OR REMOTE INSTALLATION POSSIBLE



# FEED ROLL GEAR MOTORS

## KEY FEATURES

- OPTIONAL GEAR RATIOS
- PULLY DRIVEN OR DIRECT DRIVE
- VARIABLE SPEED CONTROL VIA PLC
- LOWER COST VS. EXISTING MOTORS



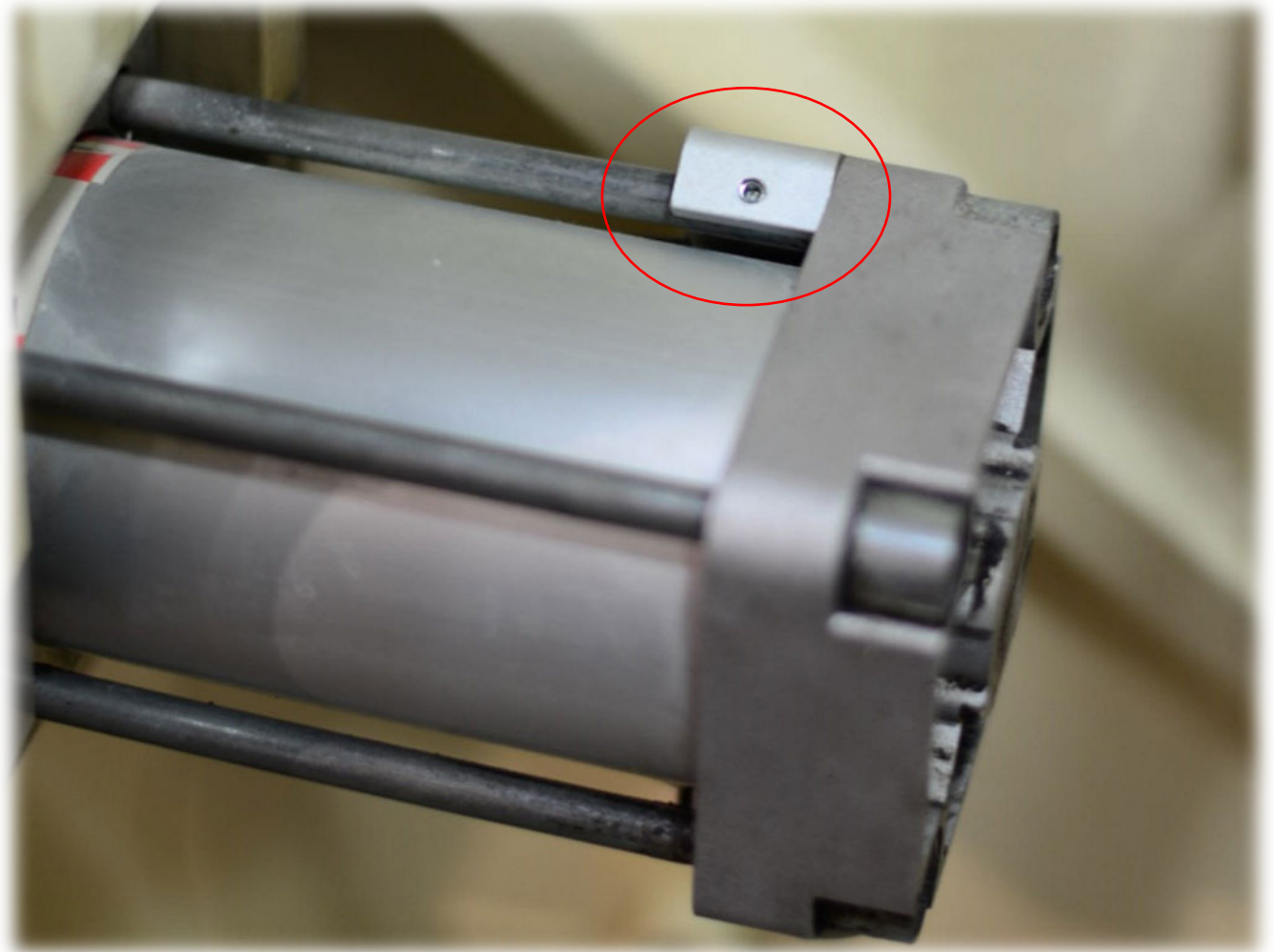


# PISTON POSITION SENSOR

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## KEY FEATURES

- PROVIDE REAL-TIME STATUS OF ROLL ENGAGE PISTONS
- LETS THE USER KNOW WHETHER THE ROLLS ARE HAVE DISENGAGED.

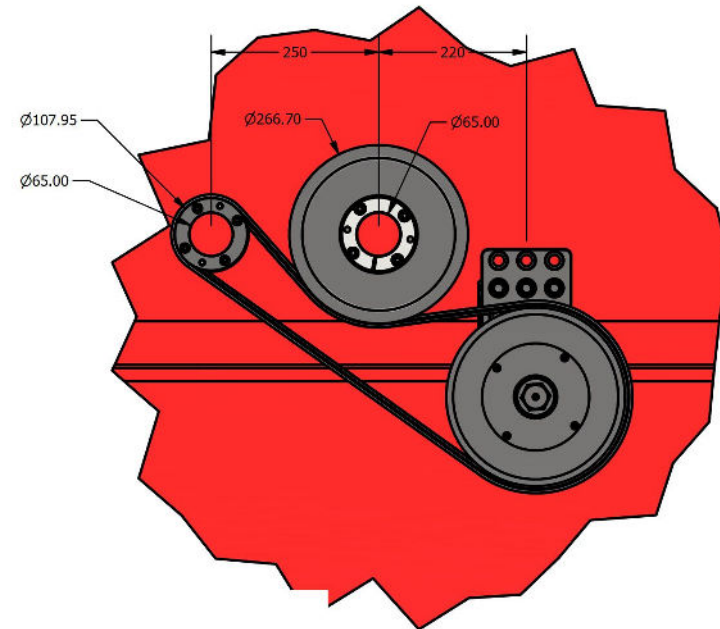
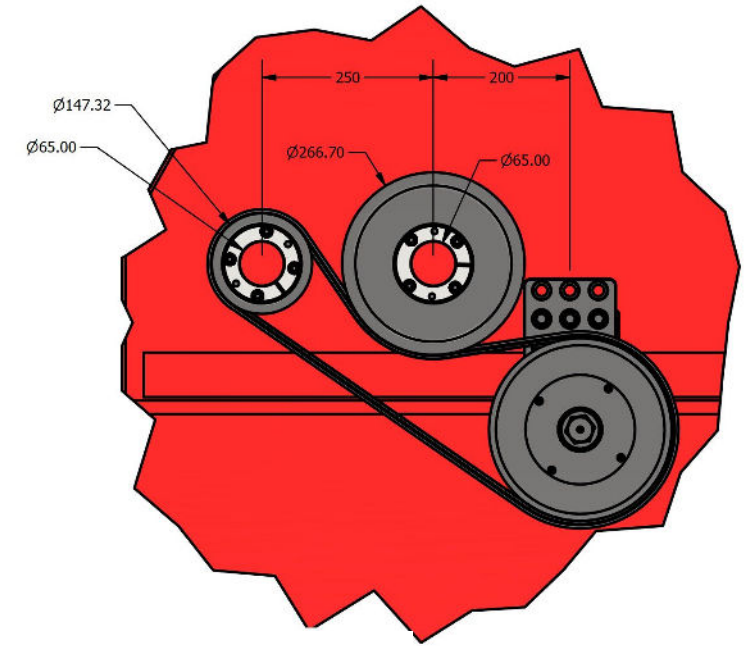
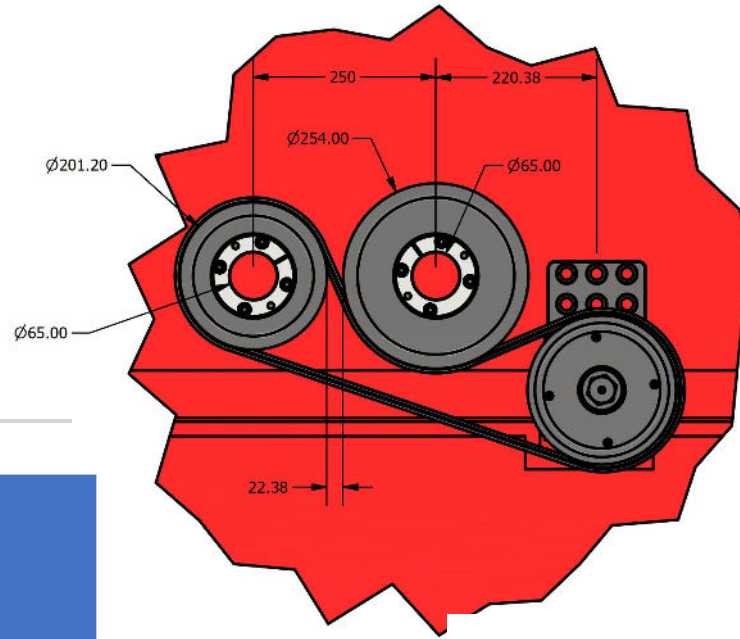




# DIFFERENTIALS

## KEY FEATURES

- MOVABLE TENSIONING PULLEY
- SAME BELT FOR ALL RATIOS.
- POLYVEE BELT, SINGLE WIDTH RATHER THAN MULTIPLE BELTS



# SERVICES




## INSTALLATION

- 6-8 HOURS
- TRAINING & MAINTENANCE
- CETEC PROVIDES INSTALLATION & COMMISSIONING SERVICE.



## ADDITIONAL OPTIONS

- CABINET COOLERS
- FEED GATE CONTROLS
- REED SWITCH REPLACEMENTS
- UPDATED SOLONIDS
- REPLACE ALL PNEUMATIC LINES
- ADD SLOW ROLL SPEED SENSOR



## CURRENT MODELS

- GOLFETTO GL3V
- GOLFETTO GLCO
- OCRIM LAM
- GBS SYNTHESIS
- BUHLER MDDK



# SERVICES



## Consult, Engineering & Drawing

CETEC specializes in bringing your vision to life and our dedicated drafting engineers are extremely detailed oriented in making sure every specification meets our customers' demands.



## Fabrication & Machining

Our expert techs can design and manufacture whatever fabrication needs you may instore. Our staff works hand-in-hand with our draft engineering team to make sure your specifications and design meets your standards.



## Retrofit & Reconditioning

CETEC offers complete overhaul and restoration services to meet your equipment needs. We also offer a variety of software upgrades and additional component functionalities.



## Spare Parts

Our well-maintained stock levels include both mechanical and electronic components. With advanced and efficient shipping logistics, we guarantee a fast turn-around.



## Maintenance

CETEC is an advanced maintenance provider that can assist in a wide spectrum of service options. Get the best out of your machinery and equipment by allowing our experts to assist you today.



## Testing

Our testing facility allows us to assess and analyze your product on a wide range of CETEC units. For more information, please visit our website.

# THANK YOU

Designed by Millers, For Millers



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