

***Yuran Hytec***  
***Versatility for the Pet Food Industry***

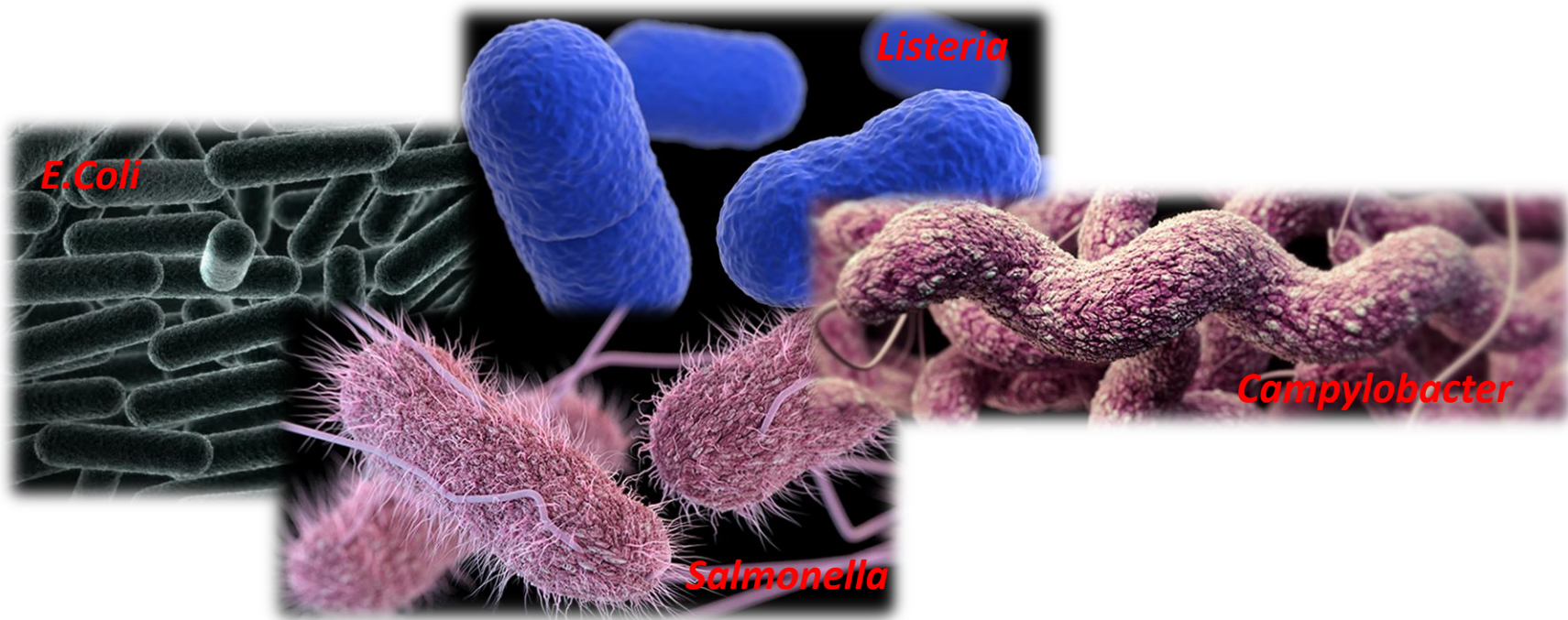


***Machine and Application***  
***Review***

# *Ramifications of Poor Sanitation and Safety*

**Bacteria are the leading cause of known food-borne illness outbreaks.- CDC**

[www.cdc.gov/foodborneburden](http://www.cdc.gov/foodborneburden)



# 10 Principles of Sanitary Equipment Design

## EDTF – Equipment Design Task Force

- Cleanable to a microbiological level.
- Made of compatible materials
- Accessible for inspection, maintenance, cleaning and sanitation
- No product or liquid collection
- Hollow areas should be hermetically sealed
- No niches
- Sanitary operational performance
- Hygienic design of maintenance enclosures
- Hygienic compatibility with plant systems
- Validate cleaning and sanitizing protocols

# ***What are the challenges?***

1. Food Build-up and Bacteria Growth

2. Hard-to-Clean Equipment Design

3. Maintenance Difficulties

- Over 40 years experience in sanitary food equipment design
- Specialize in food-cutting technology and systems
- Integrated solutions from product handling up to packaging
- Full-service R&D, testing, design, engineering, and manufacturing
- FAM: Joint development of new sanitary-design cutting machines for all industries





# Incline Conveyor

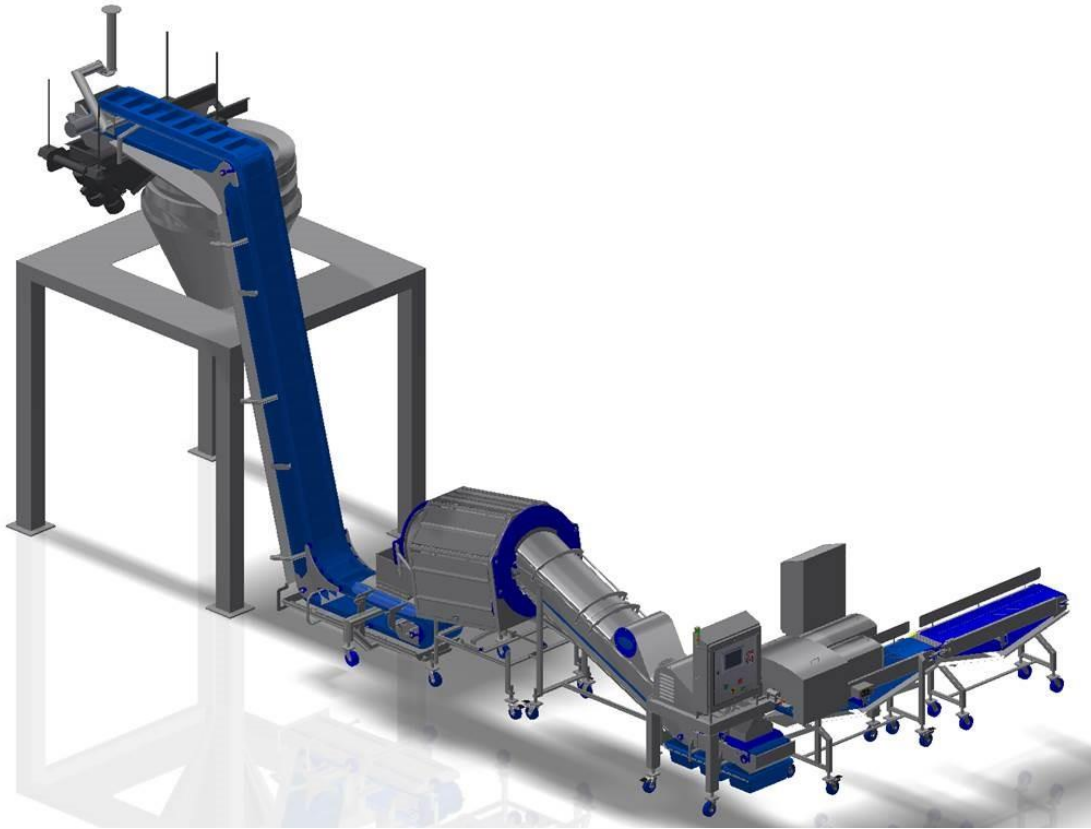


- Transports product to dicer
- $\frac{3}{4}$  HP Vandergraph drum motor, w/ Allen Bradley PowerFlex 525 VFD
- Tool-less disassembly
- Cantilever design for easy belt removal

# Ancillary Equipment

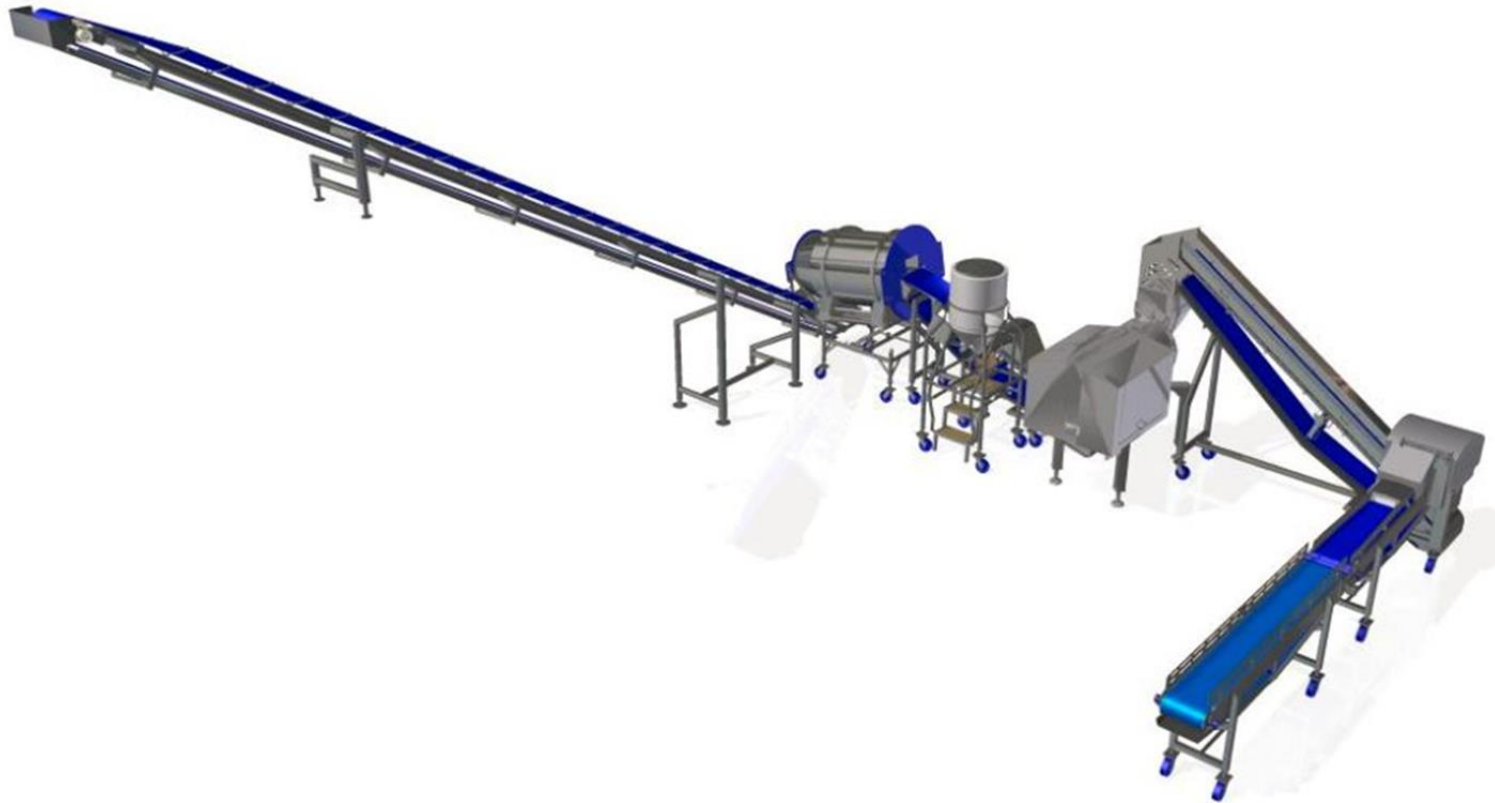


# Full Line Solutions





# Full Line Solutions

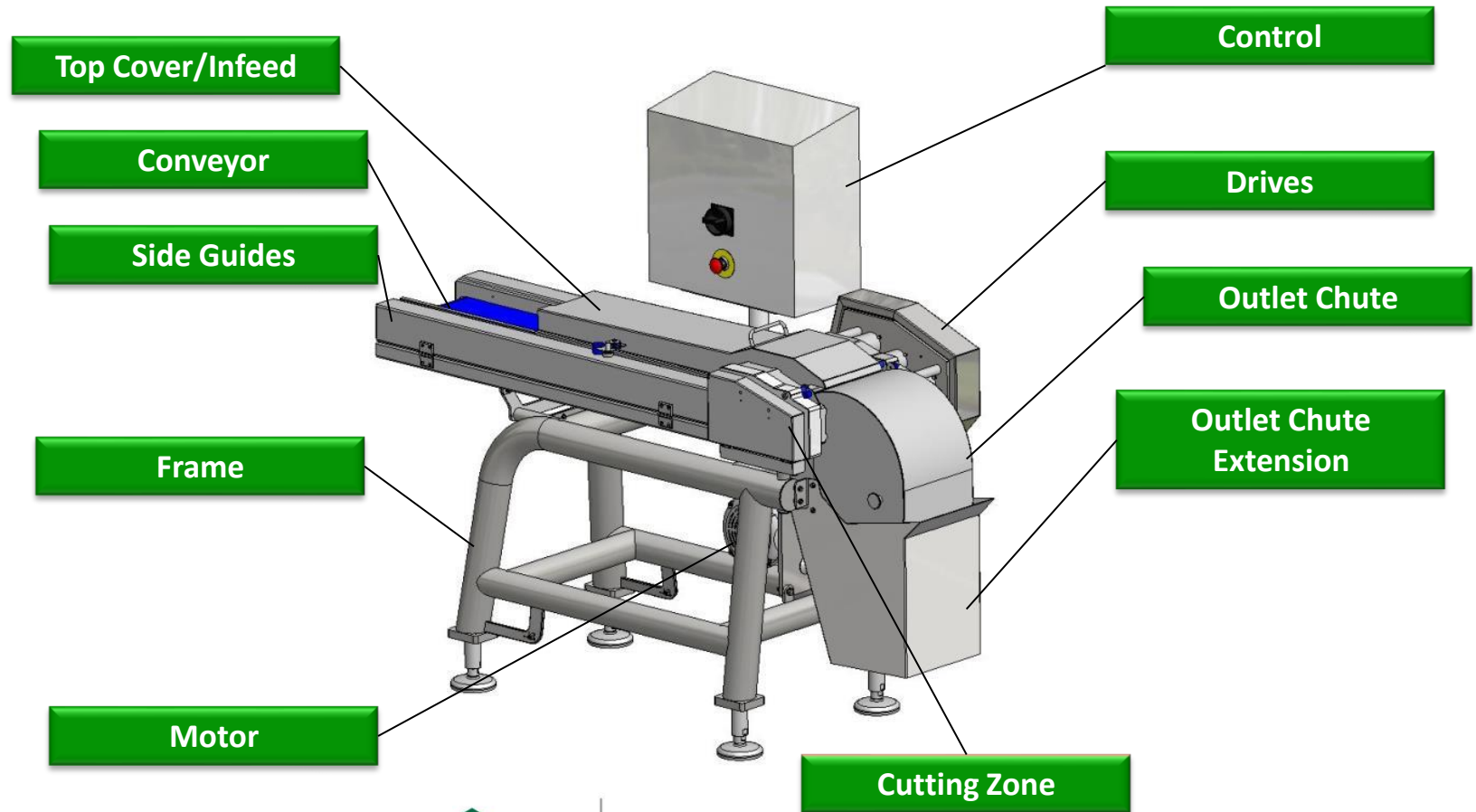


# Client Centers

- Deville Canada
- Deville USA
- FalcoLatino Mexico

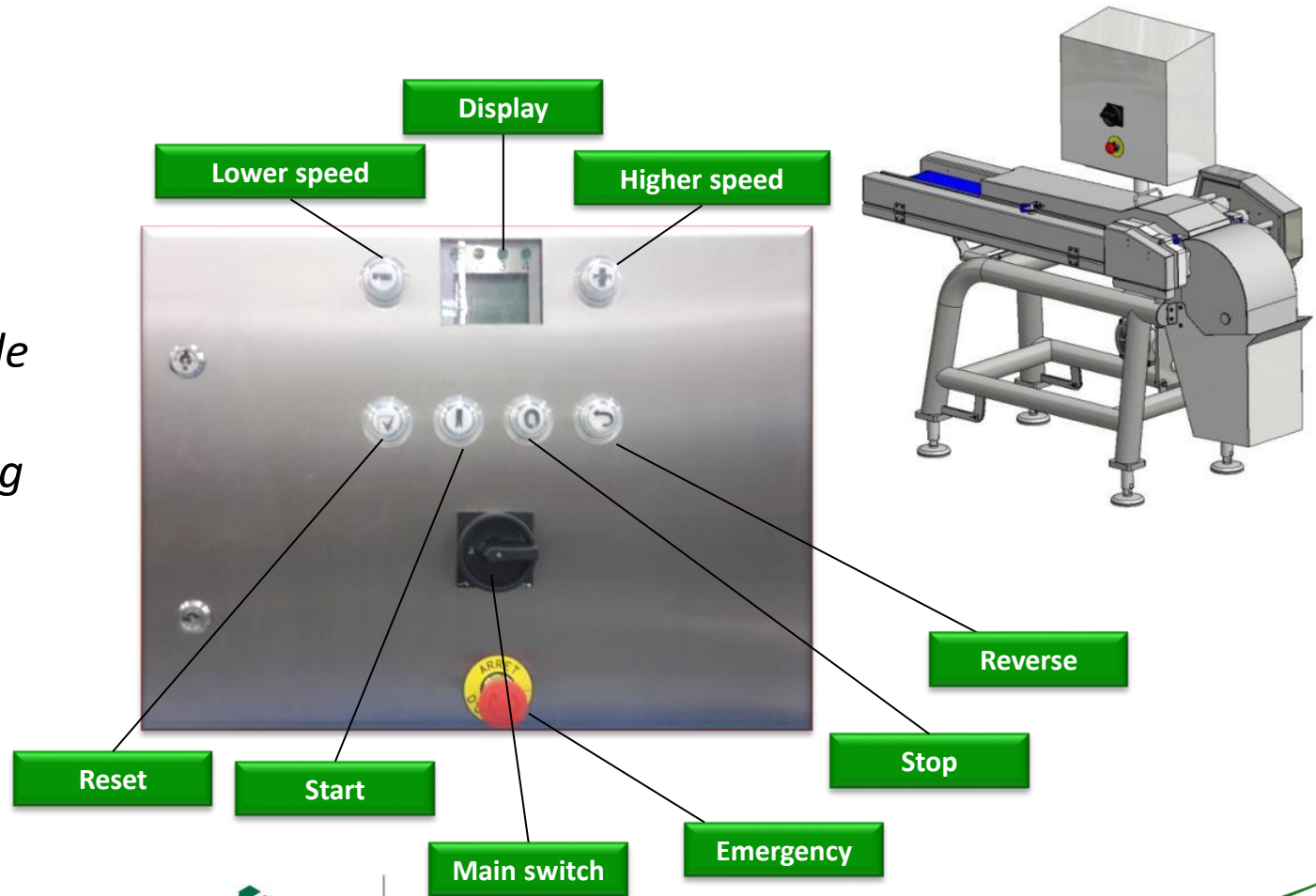


# Yuran Hytec



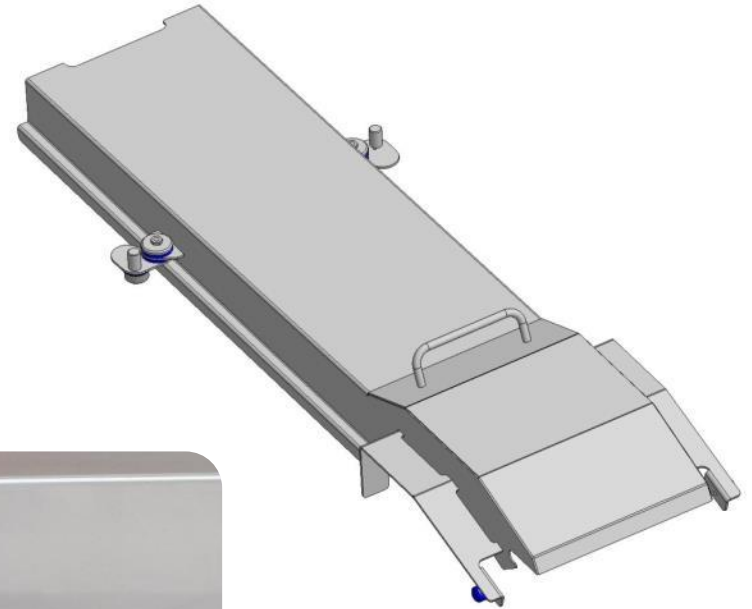
# Yuran Hytec Control Panel

- *180° Mountable*
- *Simple Cleaning*



# Top Infeed Cover

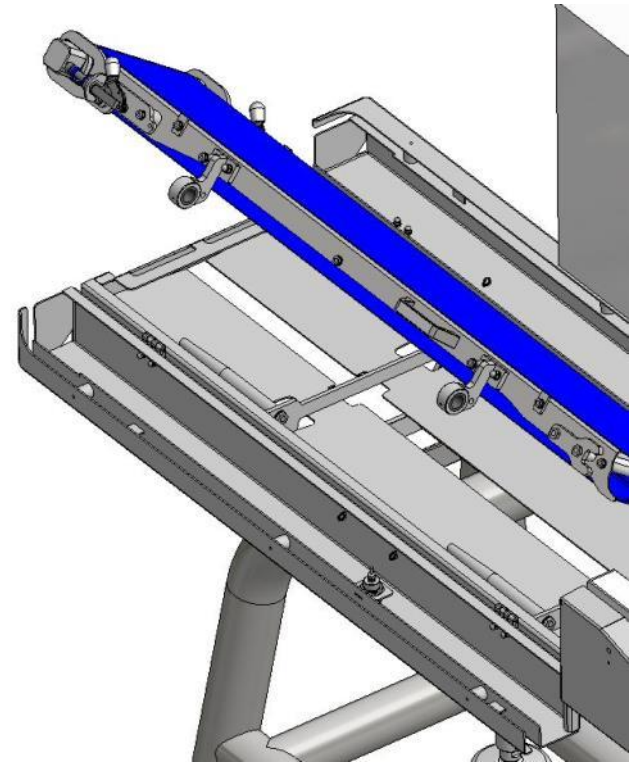
- Not hingeable: separate part
- Safety function
- Two stainless steel switches
- Other parts mechanically locked





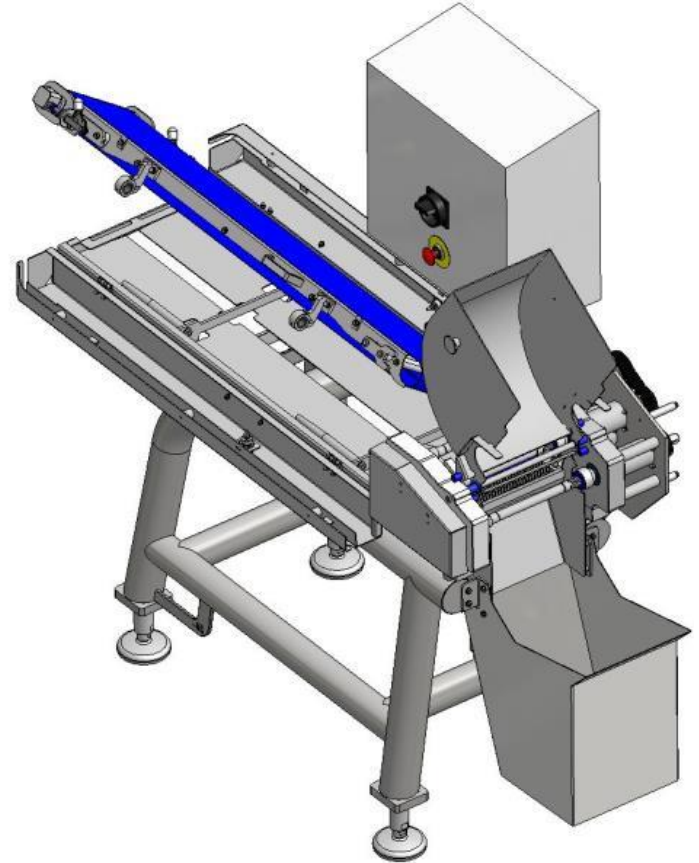
# Side Guides

- Hingeable
- Stainless steel switch inside
- Mechanical locked by top cover



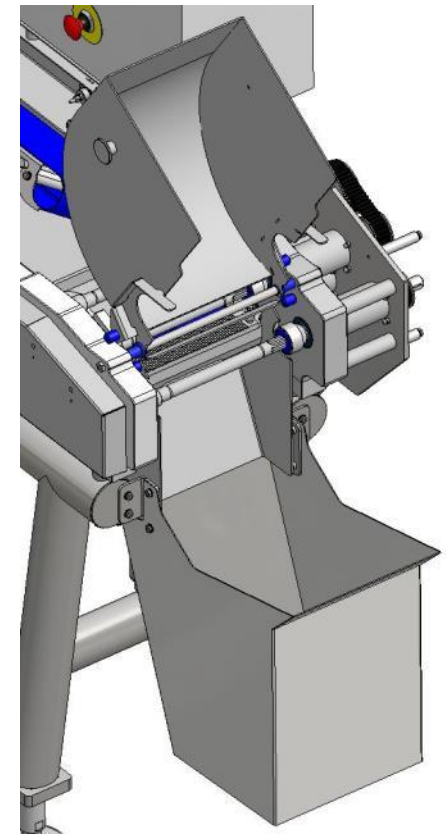
# Conveyor

- Slideable and hingeable
- Belt with guide strip
- Usable width of 8 inches
- Easy to replace
- Easy to clean



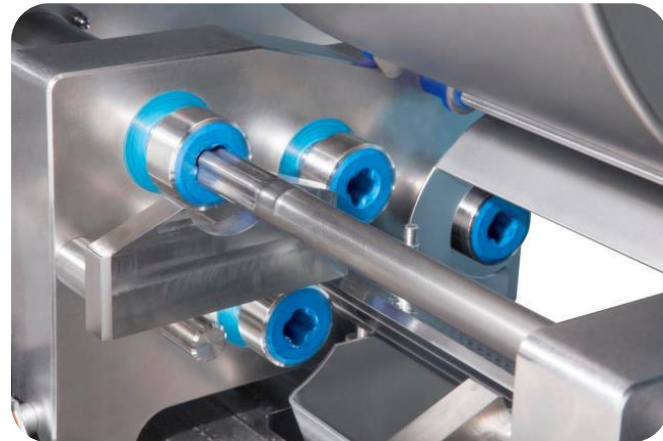
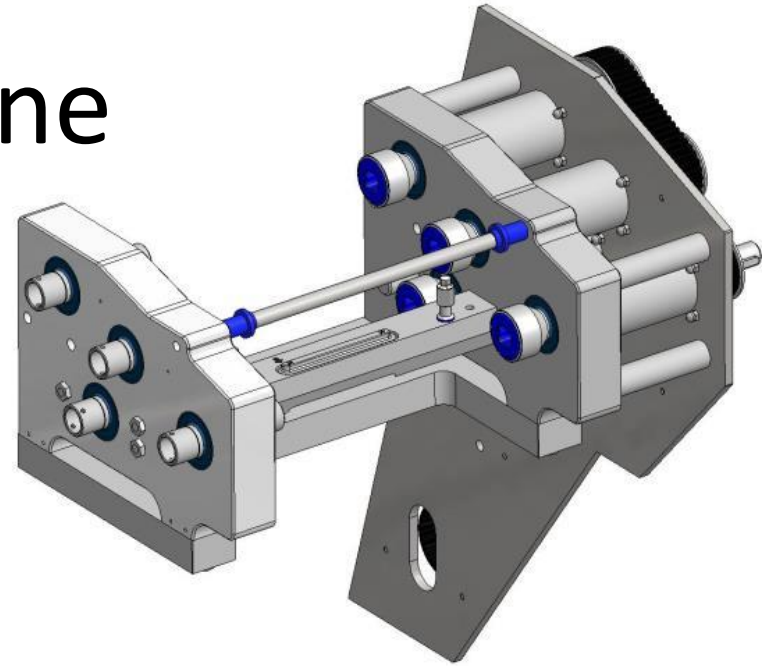
# Outlet Chute/Chute Extension

- Hingeable part
- Easy to clean
- Easy to disassemble
- Extension-Easy to remove  
(for example in case of conveyor)



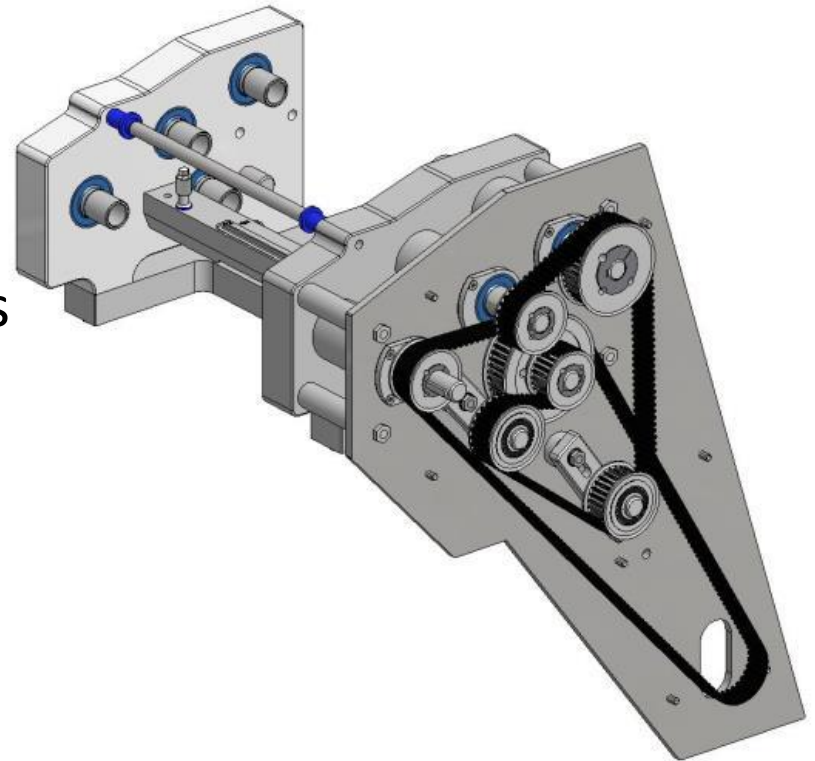
# Cutting Zone

- Use of clover system (no metal on metal contact)
- Sealed bearings (lubricated for life)
- VR-seals
- Key for positioning the cutting block.
- Hygienic design



# Drive Zone

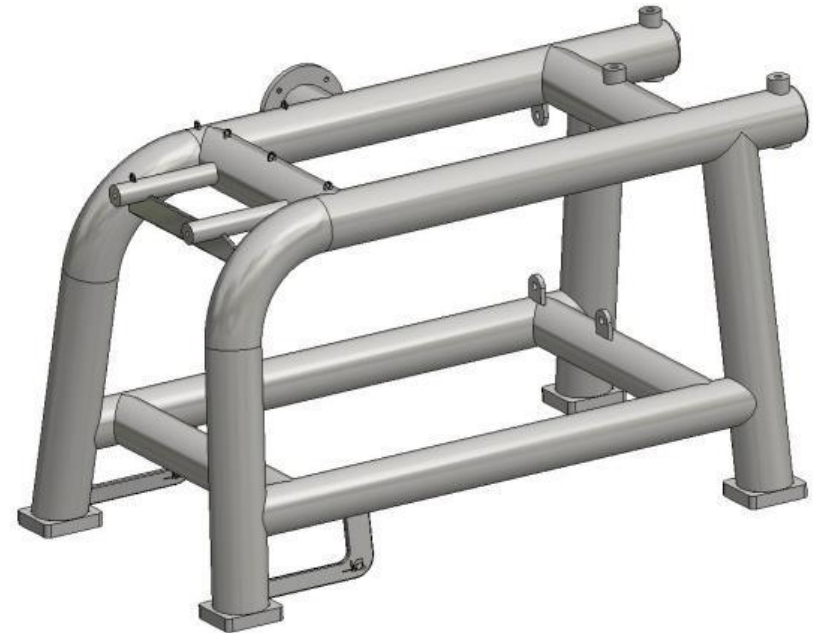
- Use of pulley's and toothed belts
- More silent compared to gears
- Easy access for replacing components





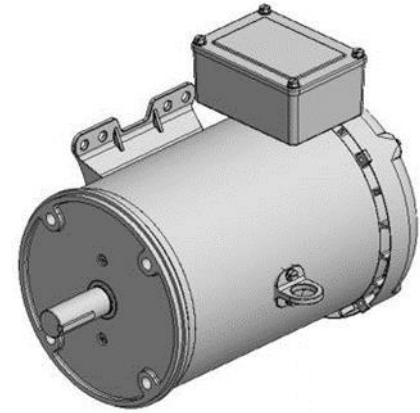
# Frame

- Robust
- Hygienic
- Transport friendly (forklift)
- Footplate for casters or feet
- Space (for example; conveyor)
- Available in Solid Frame

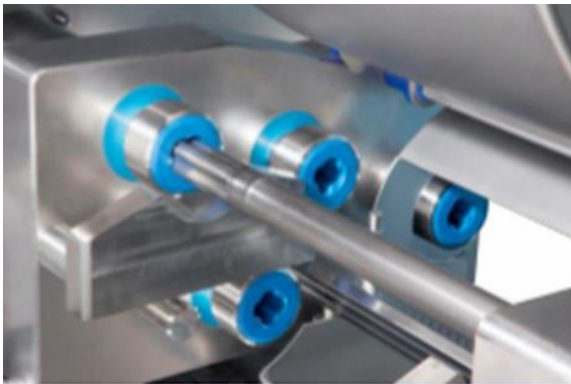


# Stainless Steel Motor

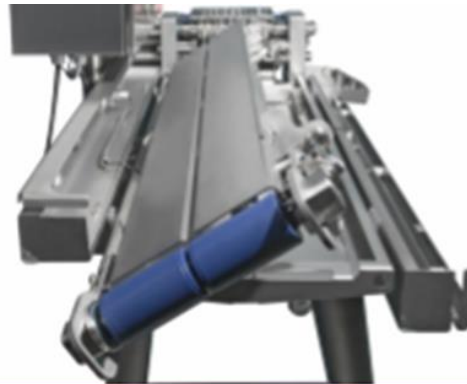
- Stainless steel
- Completely Washdown
- Easy to access
- Option of 5hp or 10hp



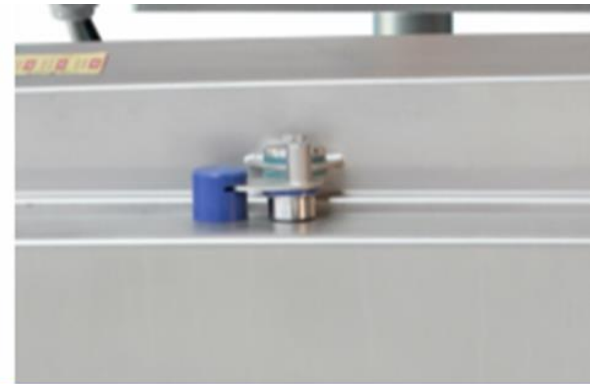
# Yuran Hytec



Cutting tools with hygienic positioning shafts with clover profile.



Quick and ergonomic system for removal and tensioning of feedbelt.



Only 2 stainless steel safety switches prevent the machine from operating with open cover.

# Yuran Hytec



The machine is completely manufactured in stainless steel. No bronze bushings or corrosion possible.

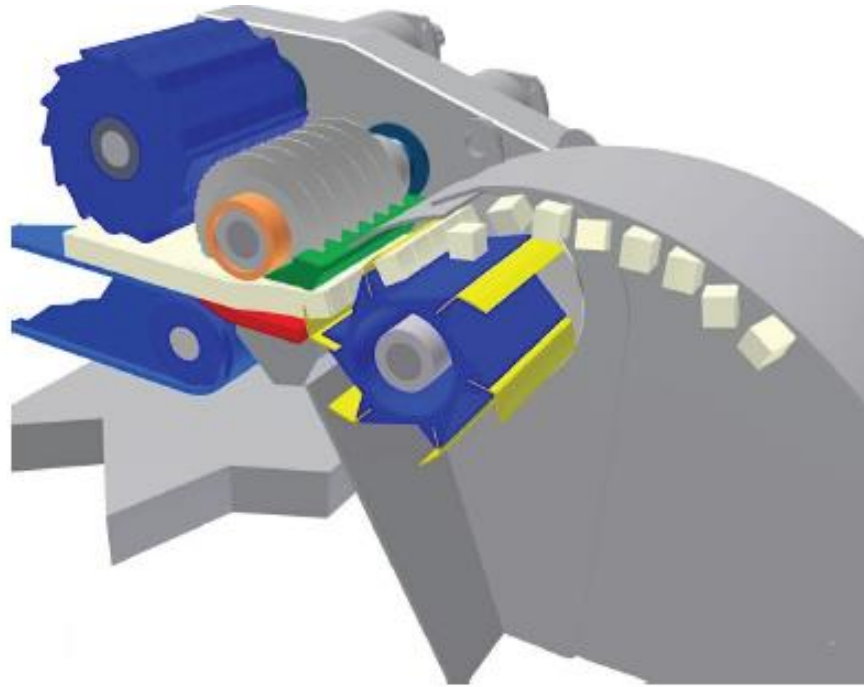


Equipped with three-phase stainless steel motor for low energy consumption and designed for easy washdown.



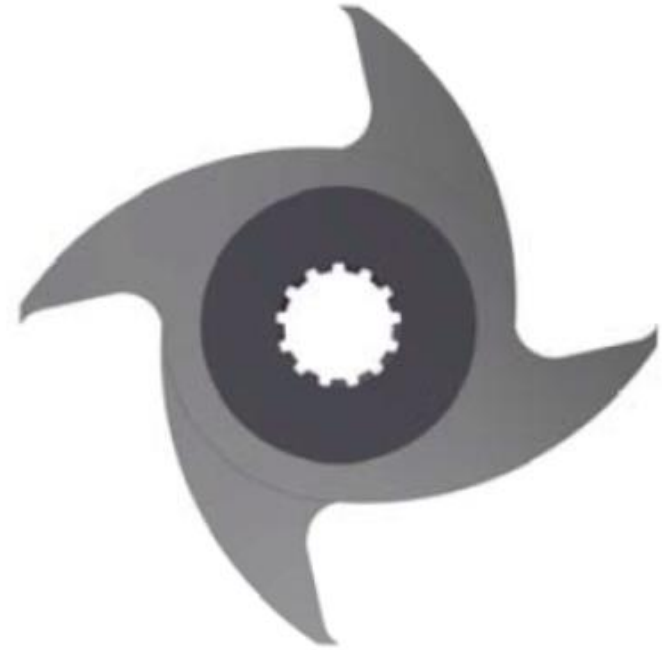
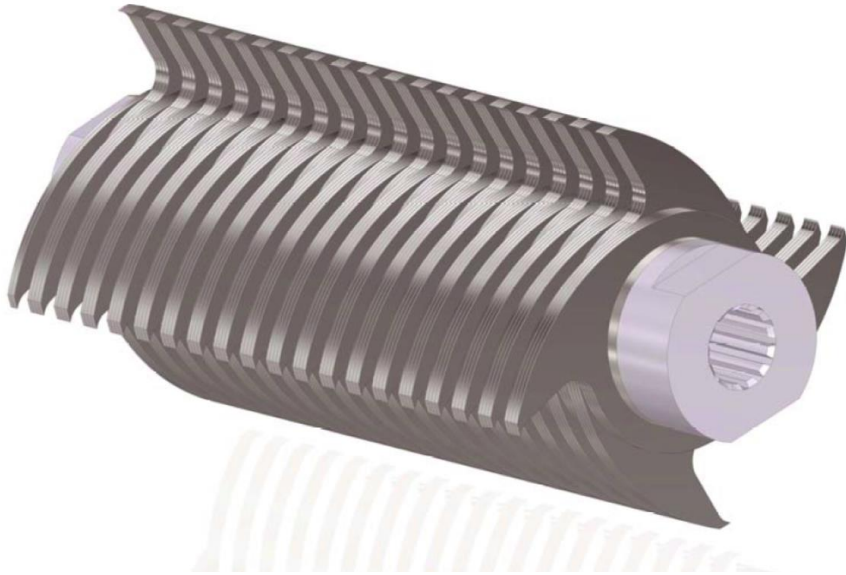
The drive zone and the product zone of the machine are completely separated.

# Dicing/Strip Cutting

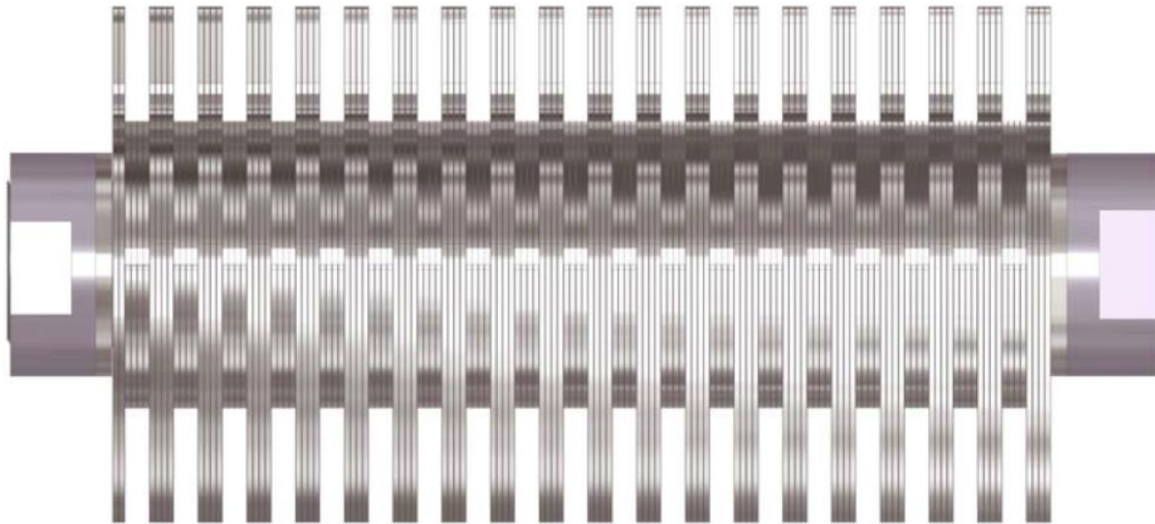




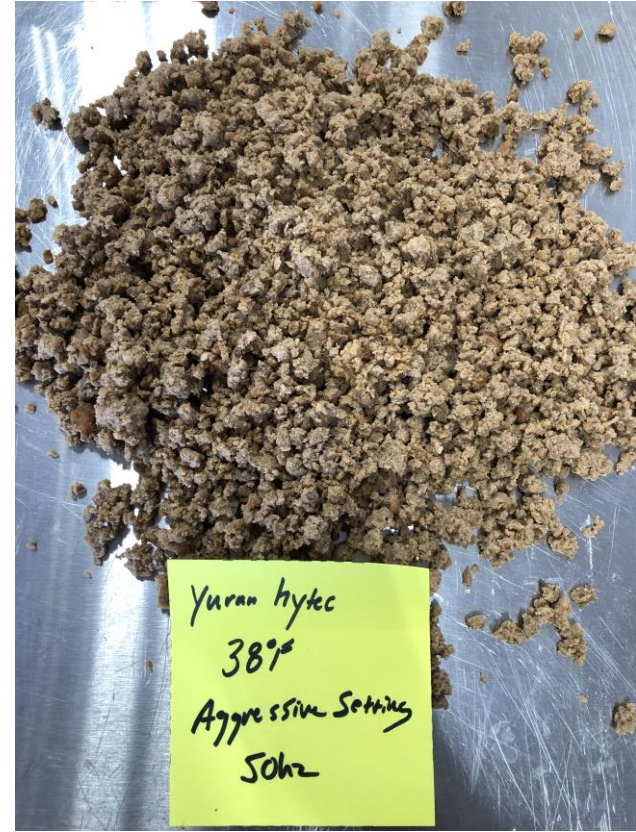
# Shredding Cutting Tools



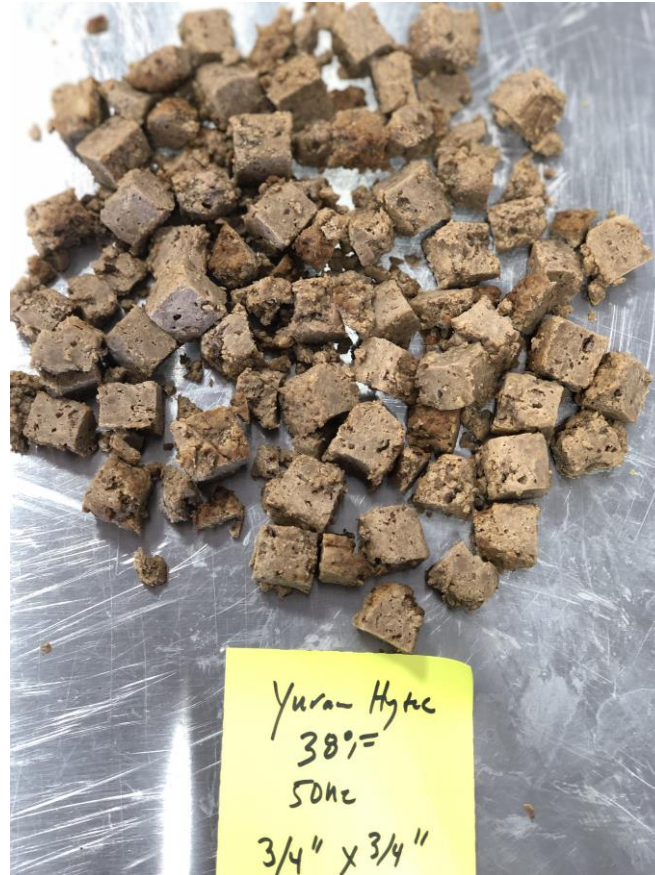
# Innumerable Configuration



# Alternative Protein Crumble



# Alternative Protein Crumble (Dice Option)



DEVILLE  
TECHNOLOGIES



# Alternative Protein Crumble Feed Stars/Claws





# Alternative Protein Crumble



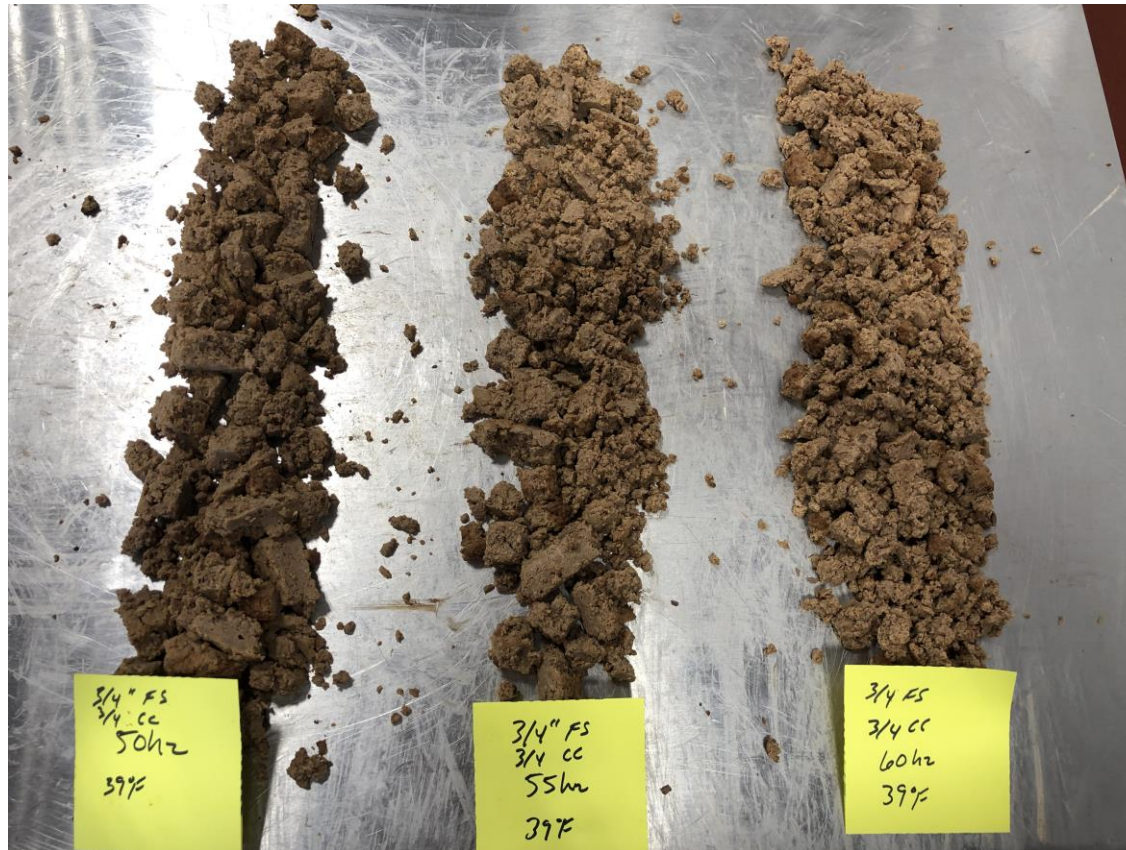


# Alternative Protein Crumble (39F)

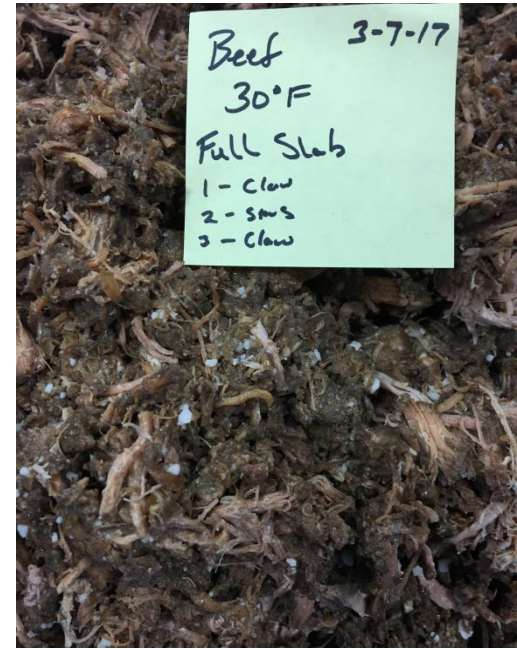
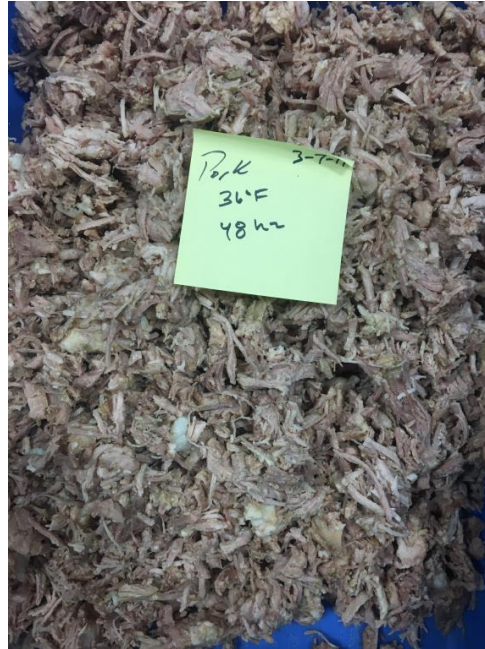
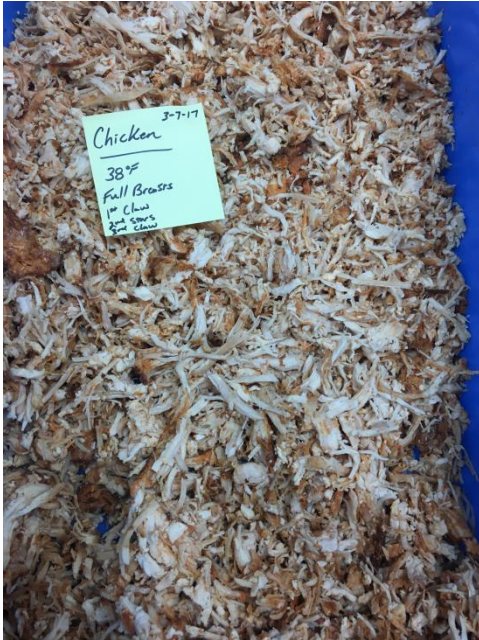




# Alternative Protein Crumble Feed stars/Crosscut



# Applications





# Chicken Dicing (Breast/Thigh Meat)



# Pet Food Dicing





# Strip Cutting



# Pork Belly



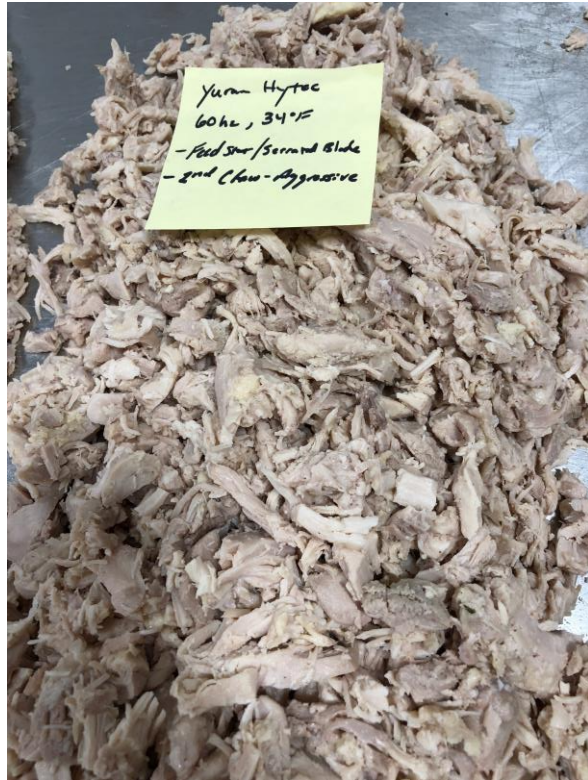


# Pulled Look Shredding

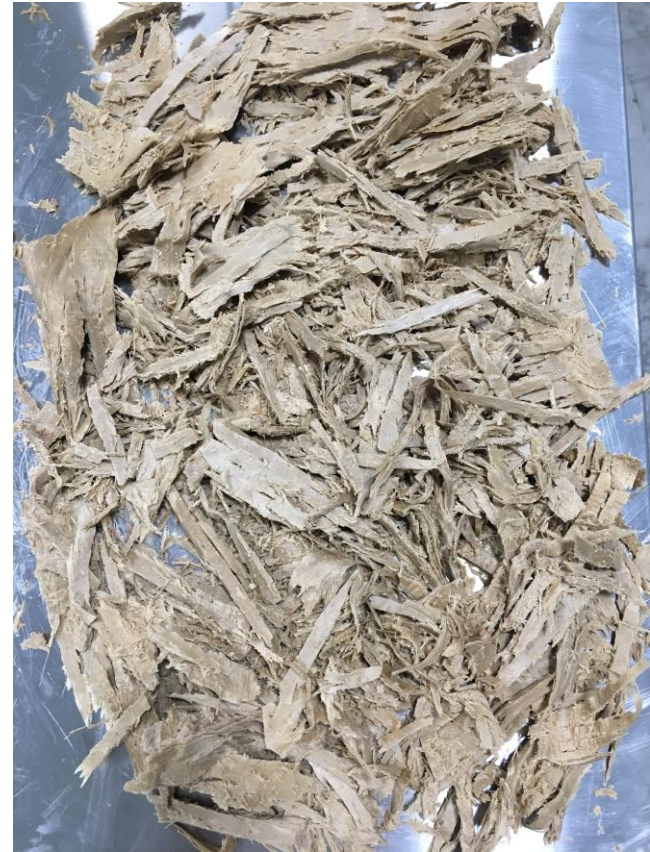




# Pulled Look Shredding



# Pulled Look Shredding





# Tuna Loin Shredding



# Treats/Jerky

