



**Promeco
Agricultural PE Film
Washing Line
with Densified Production**

**Agricultural Plastics Recycling Conference & Trade Show (APRC 2015)
August 19-21, 2015 - San Diego, California**

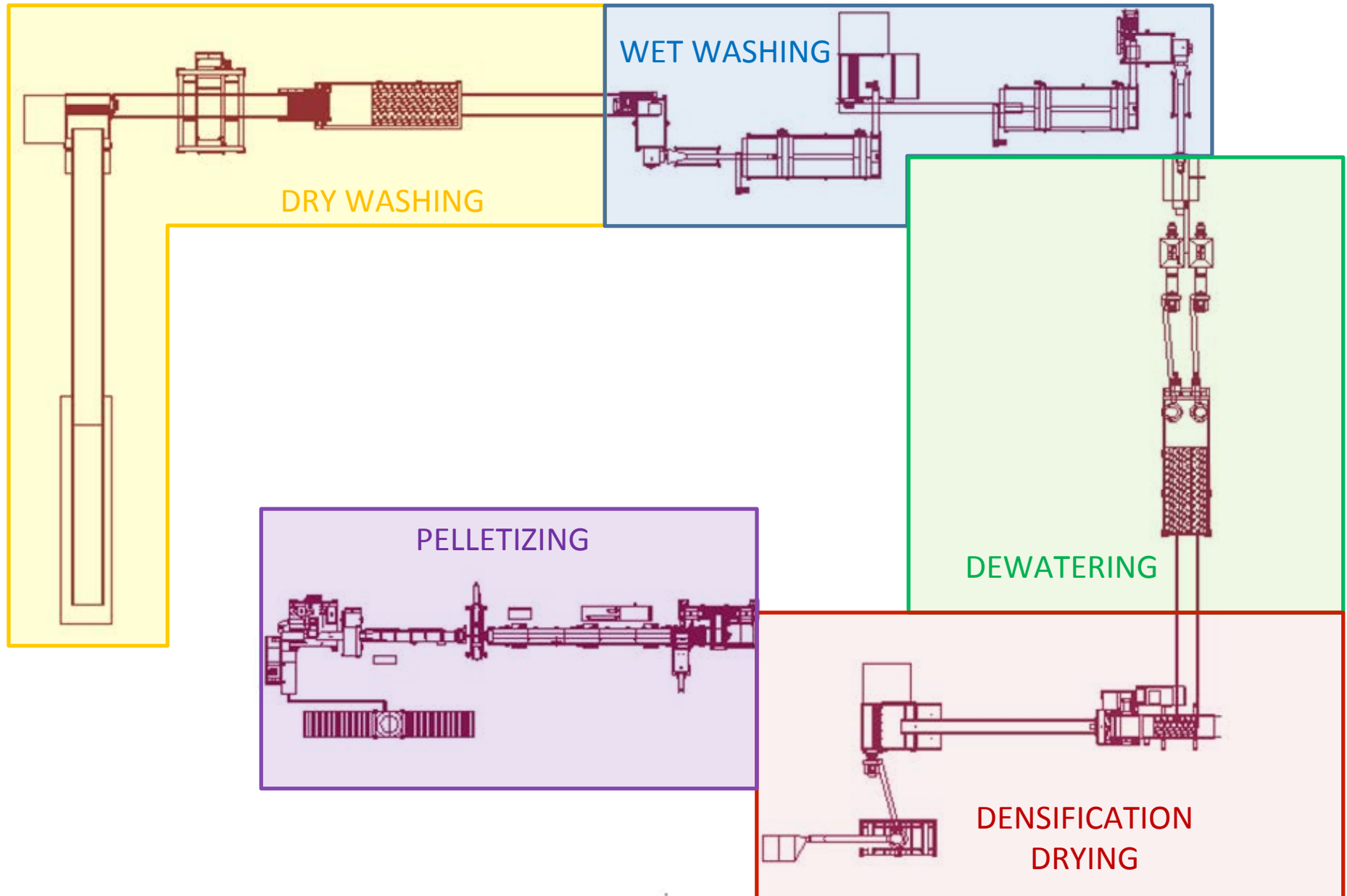
INPUT MATERIAL



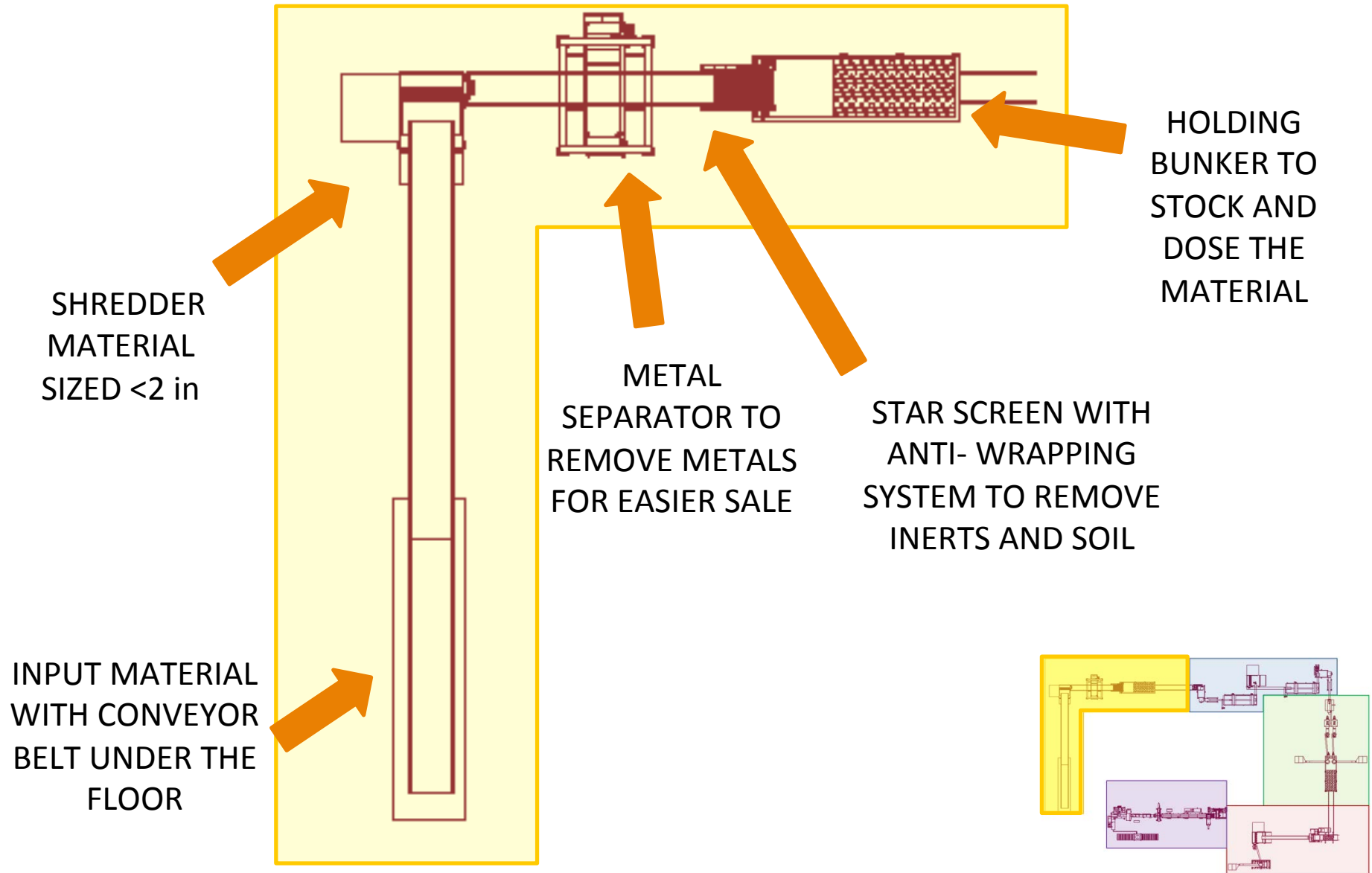
OUTPUT MATERIAL



LDPE PELLETS



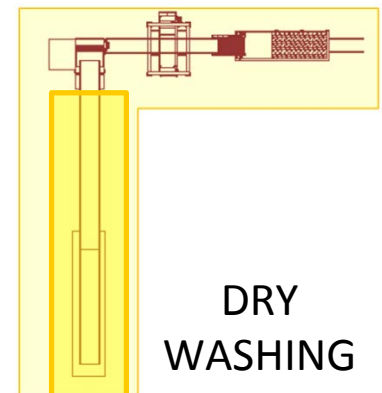
DRY WASHING



CONVEYOR BELT



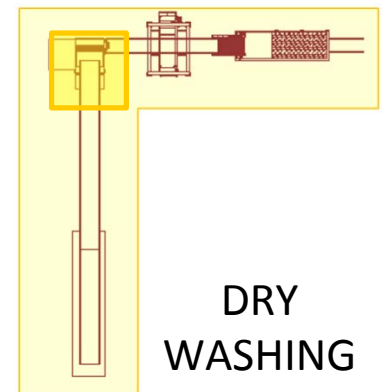
FLAT PART UNDER THE
FLOOR TO BE FED WITH
FORK TRUCKS OR FRONT
END LOADER



PROMEKO SHREDDER KR

TO GRIND MATERIAL
DOWN TO < 2 in

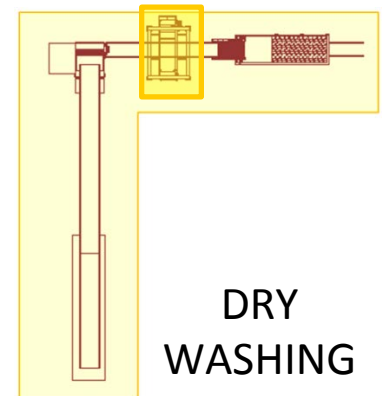
- LOW SPEED
- SPECIALLY DESIGNED TO SHRED HARD MATERIALS (LIKE STONES AND METALS)
- PRECISE CUTTING AND SCREEN TO ADJUST THE OUTPUT SIZE
- HIGH TORQUE AND LOW ENERGY CONSUMPTION
- HARDFACE ON THE ROTOR



MAGNETIC SEPARATOR



CROSS BELT
METAL SEPARATOR
TO REMOVE
FERROUS METALS

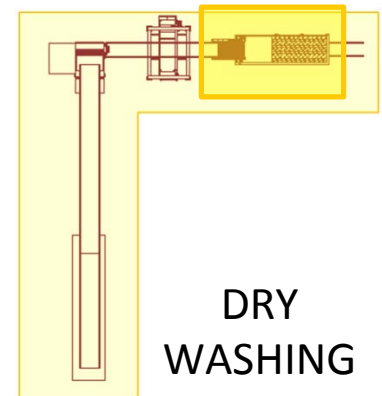


PROMECO STAR SCREEN

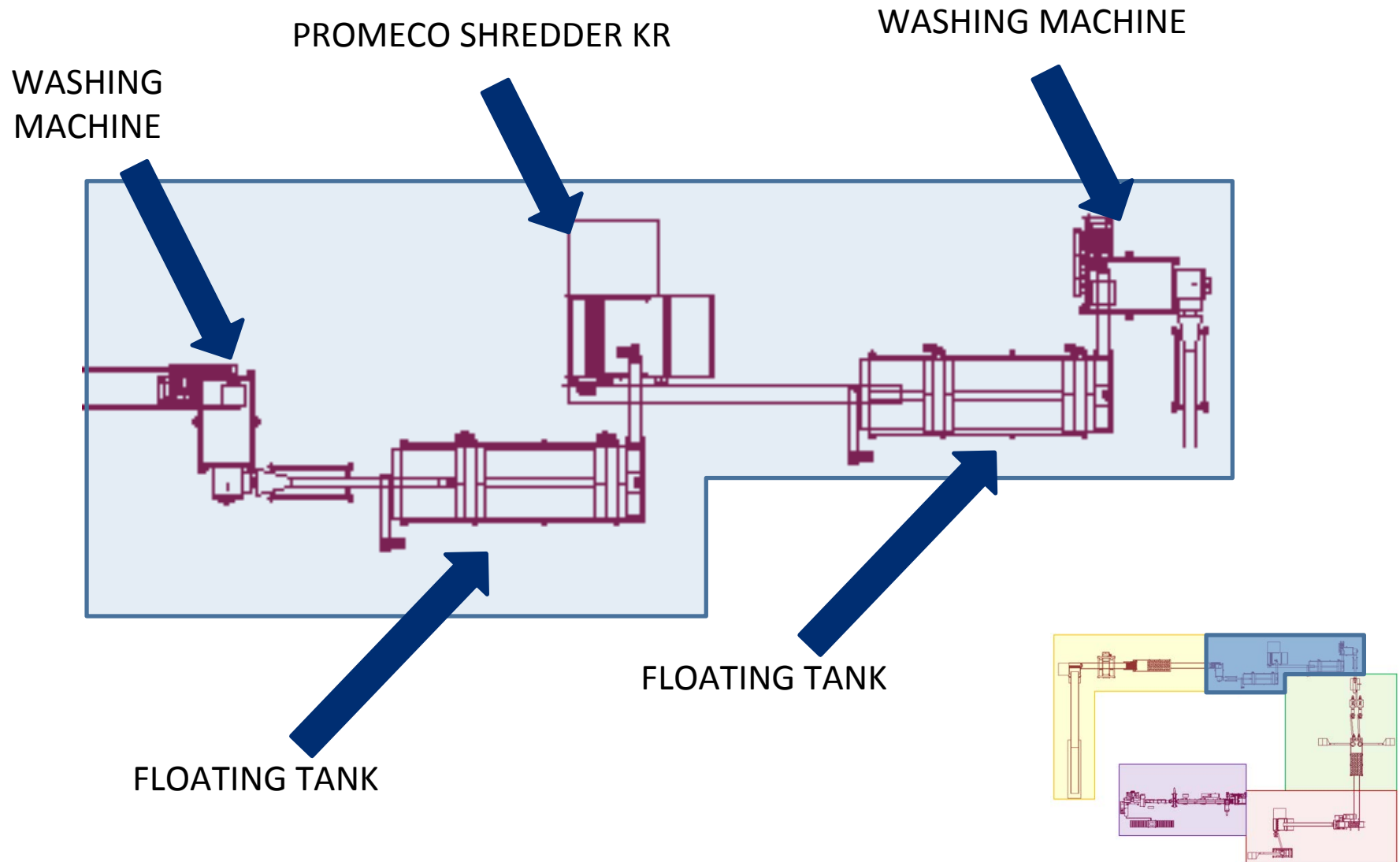


TO REMOVE
INERTS AND SOIL

- WRAP-PREVENTION SYSTEM
- ROBUSTNESS
- EASY OF MAINTENANCE
- HIGHER CAPACITY WITH LOWER SPACE REQUIRED IF COMPARED TO DRUM



WET WASHING

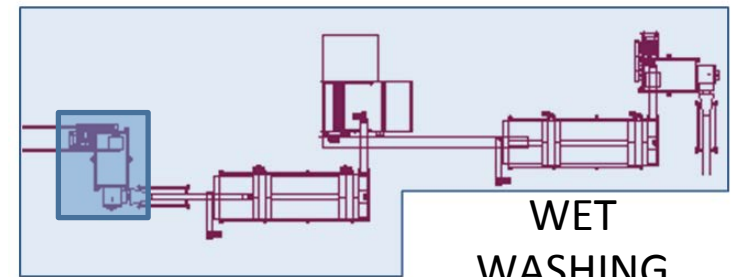


WASHING MACHINE



EXERTS FRICTION WITH WATER
TO SEPARATE THE CONTAMINANTS
FROM THE POLYMERS

- CENTRIFUGE TECHNOLOGY
- EASY OF MAINTENANCE
- LOW CONSUMPTION

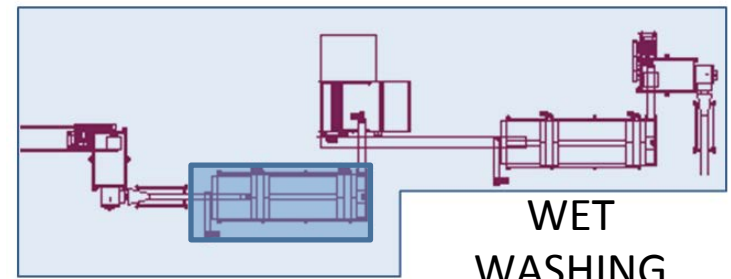


FLOATING TANK



TO SORT THE
CONTAMINANTS
FROM THE PLASTICS

- THE PLASTICS FLOAT AND THE CONTAMINANTS SINK
- HIGH EFFICIENCY THANKS TO AGITATORS

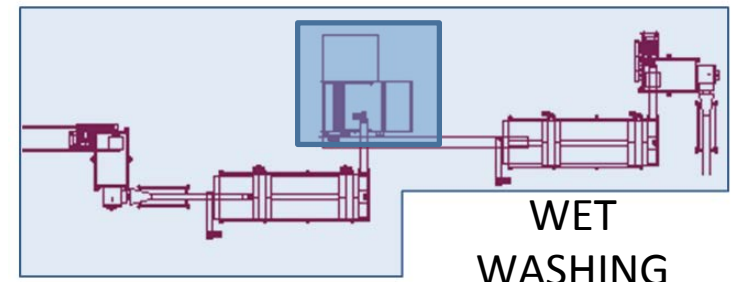


PROMEKO SHREDDER KR



TO GRIND THE MATERIAL
DOWN TO < ½ in
OPENS THE FOLDED PLASTICS
EXERTS ENOUGH FRICTION

- HIGH SPEED ROTOR
- PRECISE CUTTING AND SCREEN TO REGULATE SIZE
- HIGH TORQUE AND LOW ENERGY CONSUMPTION

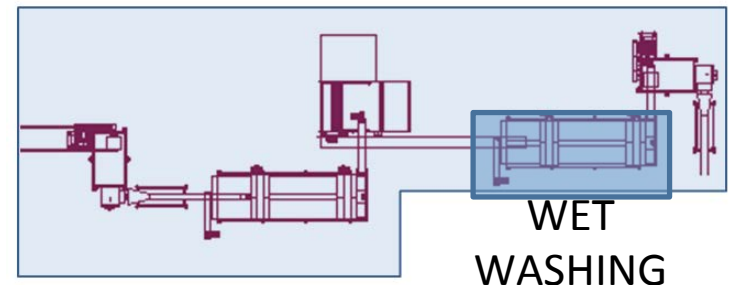


FLOATING TANK



TO SORT THE
CONTAMINANTS
FROM THE PLASTICS

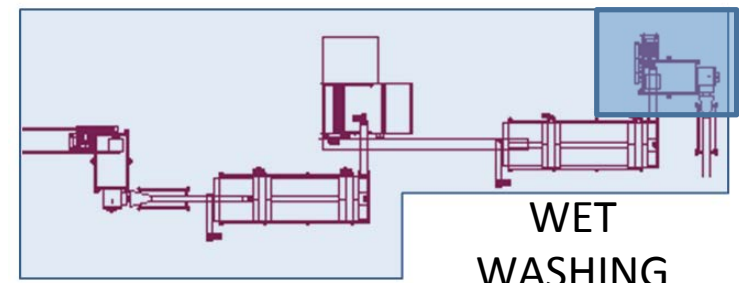
- PLASTICS FLOAT AND THE CONTAMINANTS SINK
- HIGH EFFICIENCY THANKS TO AGITATORS



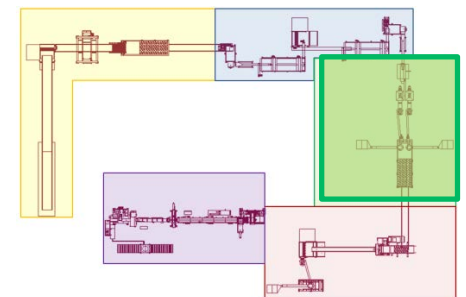
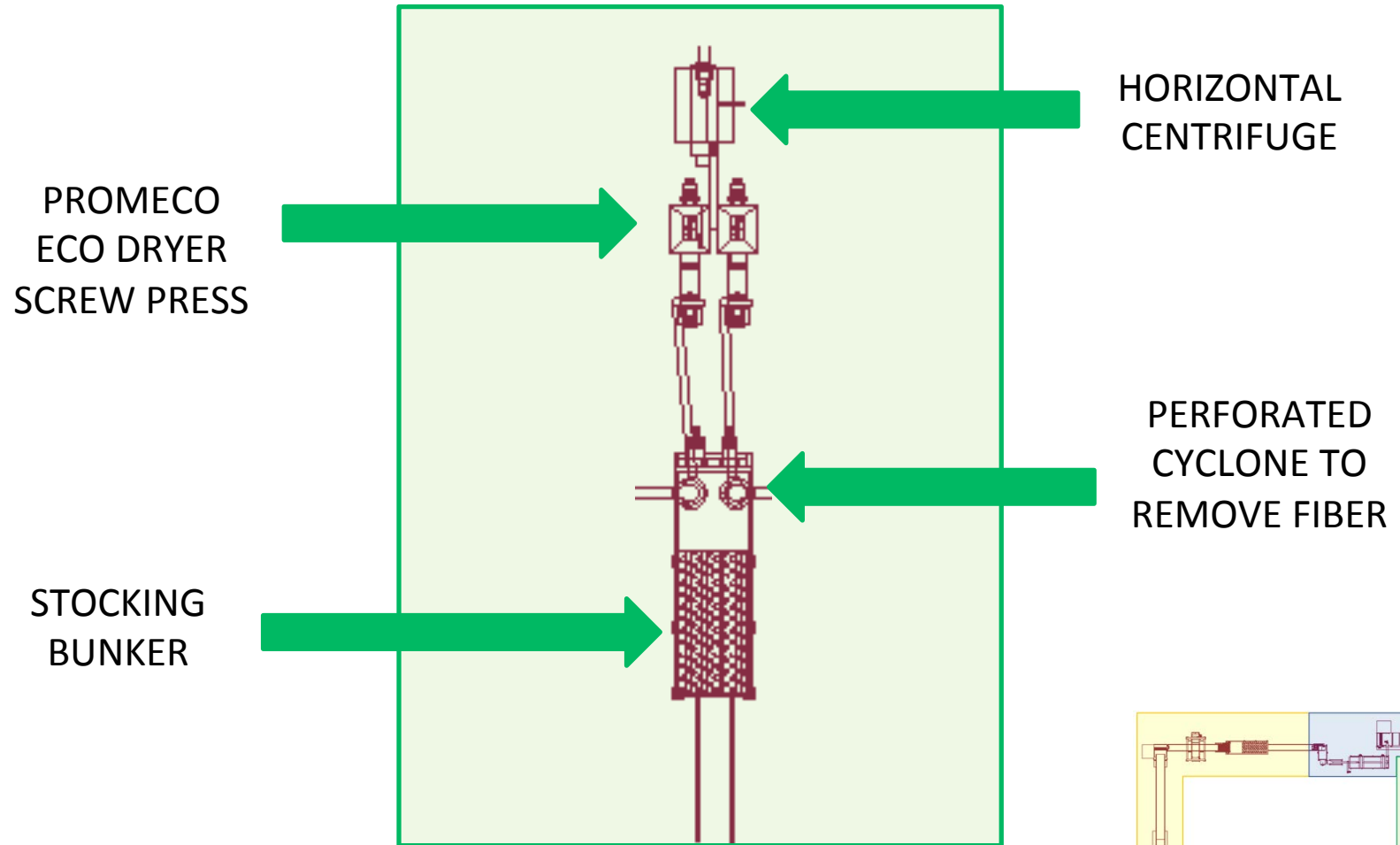
WASHING MACHINE



LAST WASHING OF THE
POLYMERS WITH WATER
USING CENTRIFUGE
TECHNOLOGY



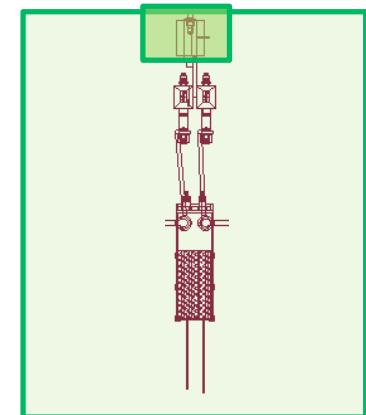
DEWATERING



HORIZONTAL CENTRIFUGE



STARTS
THE DEWATERING
PROCESS TO REDUCE
MOISTURE <30%

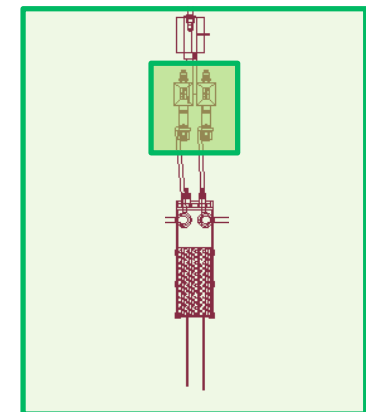


DEWATERING

PROMECO ECO DRYER

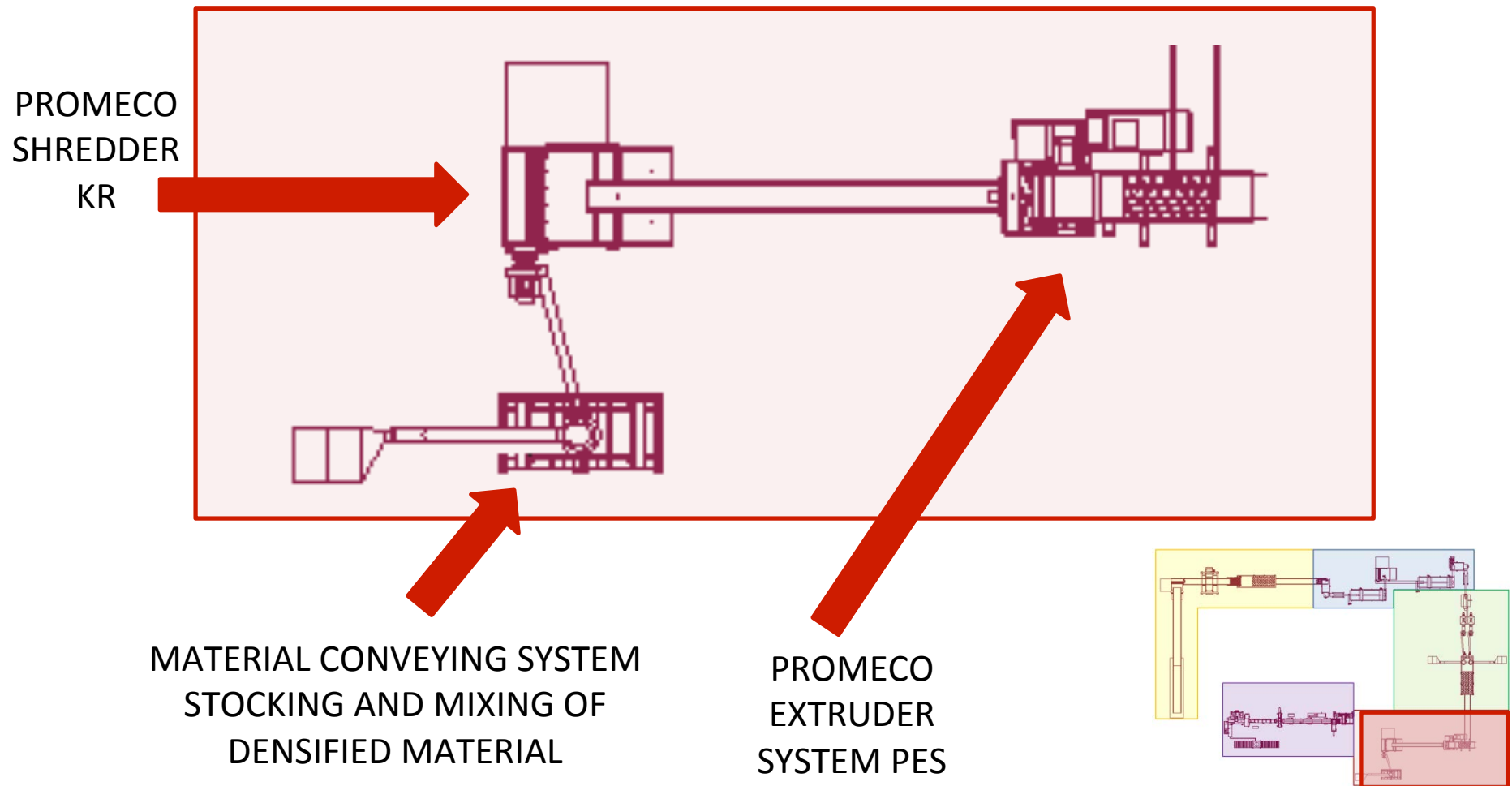


SCREW PRESS TO REDUCE
MOISTURE <5-7%
TO SQUEEZE OUT
THE WATER



DEWATERING

DENSIFICATION AND DRYING

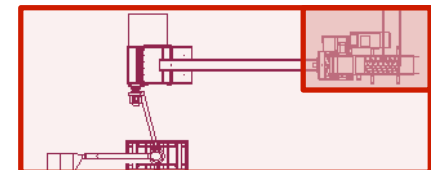


PROMEKO EXTRUDER SYSTEM PES



MIXING AND HOMOGENIZATION
DENSIFYING
DEGASING
CONTINUOUS PROCESS

REDUCE MOISTURE < 0.5%

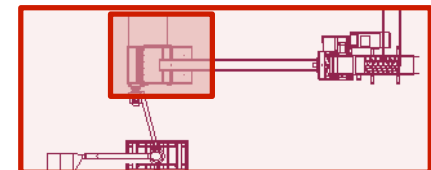


DENSIFICATION AND
DRYING

PROMEKO SHREDDER KR



TO SHRED THE MATERIAL
AND REMOVE
THE LAST MOISTURE

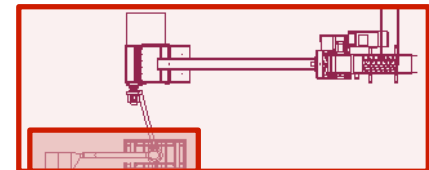


DENSIFICATION AND
DRYING

MATERIAL CONVEYING SYSTEM

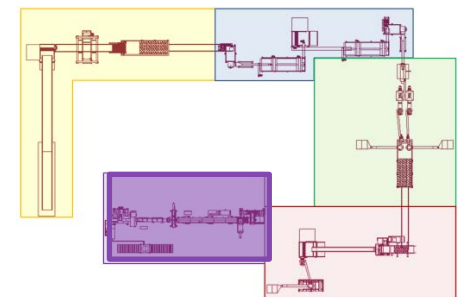
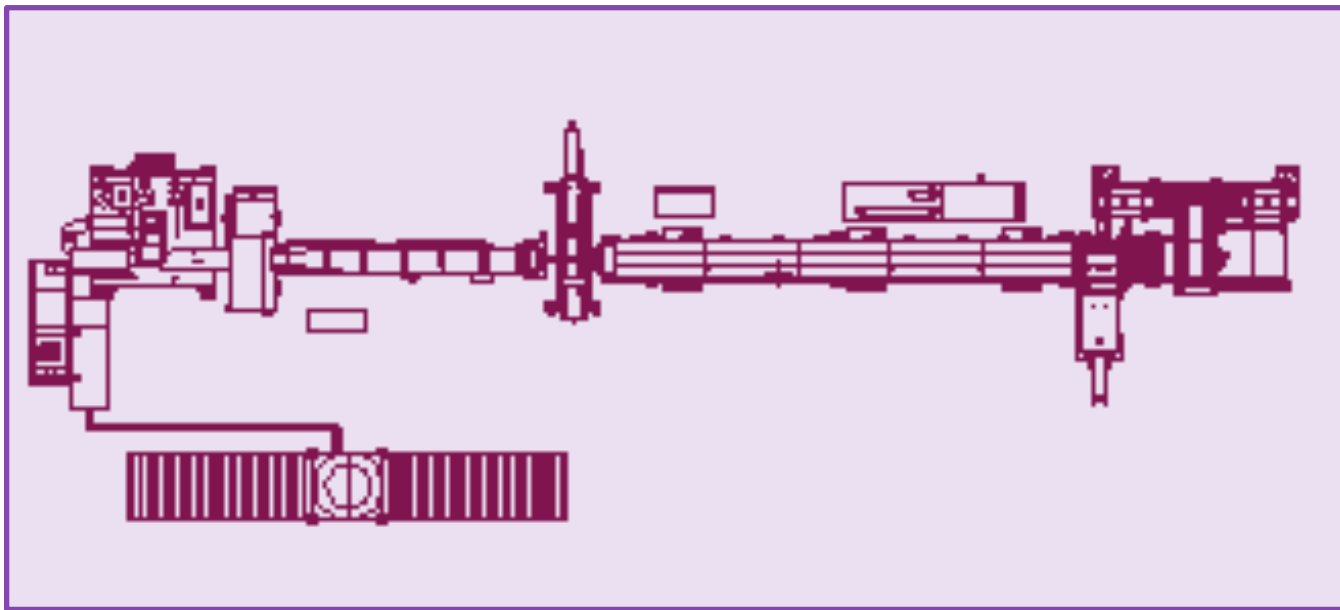


TO STOCK AND MIX
THE MATERIAL
INTO SILOS



DENSIFICATION AND
DRYING

PELLETIZING





**THANK YOU FOR YOUR
ATTENTION**

FOR INFORMATION PLEASE CONTACT

sandy@adgs.net

promeco@promeco.it

**Agricultural Plastics Recycling Conference & Trade Show (APRC 2015)
August 19-21, 2015 - San Diego, California**