

## 2020 Contract Converting Capabilities

### Pre Made Pouch Lines (upwards of 400 million units of annual capacity)

- SIZE - Width 2" to 39"; Length 2" to 53".
- Bottom Gusset - 1" to 6" - 1" will not have k-hole punch, available with auxiliary gusset.
- SEAL TYPE - Two or three side seal; with or without K-seal; doyen or skirt bottom seals.
- Zipper Reclosable - Slider (Child-Guard, Slider Guard & Ergo), Flange, Double track, Pocket Zipper, Straight Cut Zipper (performs as laser scored), and other profiles available.
- Pre-Opened Zippers (Press-to-Close only).
- Appearance of "full bleed" - by removing the plate breaks (1/4" or 3/8" side seals).
- Shaped pouches, rounded corners, removal of "hooks".
- Tear Notches or Slits
- Flat or Stand-Up
- Various vent holes, hang and handle holes.
- Tamper evident - fill via opposite end of the zipper.
- Angle cut bottom gusset (produce or diamond style pouch).
- 11-30# large format pet foods bags with pinch bottom, terminated gussets, fold and glue bottom, micro perforations and date coding.
- Spouted pouches
- Flat bottom box pouch with one-way degassing valve, pocket zipper, PTC, Aplix and terminated gusset or taped and rounded corners.

### INNO-LOK® - Pre-applied zipper to roll stock lines (3 lines, annual capacity at 60 million units)

- Save up to 50% in zipper material (vs. form fill seal (FFS)) with an in-line process. Rolls come with a zipper applied.
- Save up to 15% in packaging material with pre applied zippers vs. applying zipper inline on FFS.
- Does not slow down production time on a FFS line.
- Increases product sales.
- No Capital Investment for end user or packer to add a zipper onto a package. Various zipper profiles available. Quad seal & side gusset, side seal
- Width - 4.5" to 21" front panels.
- Length - up to 36" draw (bag length).
- Side Gusset - 2" to 5".
- Maximum web is 51".

### Back seam bag converting lines (annual capacity of 300 million units, largest capacity in the United States)

- Cellophane and Oriented Polypropylene (70-210 gauge mono-layer films and laminates). Lap or Fin Back seams.
- "old fashioned" Foldover/Simplex or "high speed" Crimp Bottom Seals.
- Crimp Bottom Seals from .25" to .875".
- Vent holes, Hang holes & Offset Back seams.
- Width - 1.25" to 12". Length - 3" to 48".
- Side Gusset - 0.5" to 7.75".
- Maximum web is 32.625" WITH SIDE GUSSETS; no gussets max web is 27.25" web

### Laminations - toll and stock

- 44" wide - 2-part adhesive laminator - Nordmechannica (two treaters)
- PET/PE; OPP/OPP, others by trial
- Solventless adhesive
- Max OD off slitters is 22.5"; off the laminator (non-doctored) up to 30" OD
- 3" or 6" cores

### Totani all integrated retort pouching

- New line for retort installed 2020. 1-up through 5-up, with stacking and speed.