

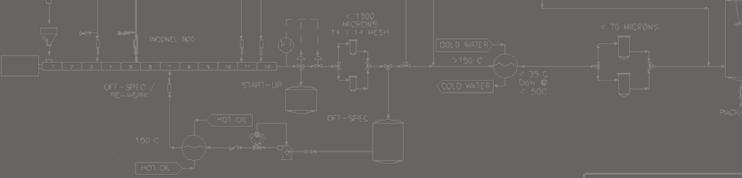
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#### Orrex:

# Entirely focused on reactive and complex extrusion compounding

Add LW / ozone for biological conternination

 6 extrusion lines – all in reactive and complex compounding service



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# Entirely focused on reactive and complex extrusion compounding

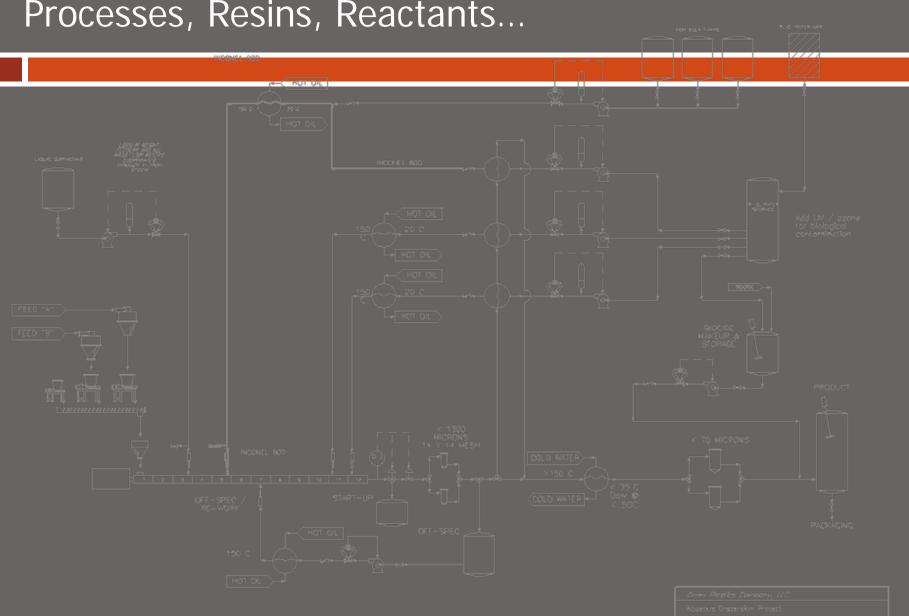
6 extrusion lines – all in reactive and complex service

 All processing lines and processes designed and built in-house

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#### Resins employed include:



- Iso-tactic polypropylenes
- Atactic polypropylenes molten and solid feed system capable
- Syndio-tactic polypropylenes

#### EVA

EP-M, bales, crumb and pellets
EPDM, bales, crumb and pellets
Poly Iso-butylene, liquid and bale
Ethylene acrylic acid co-polymers
Ethylene methacrylate copolymer
Polyurethane and PUR prepolymers: MDI based.
Tackifiers
Waxes, solid and molten
Oils (to 50% by wt.)
Inorganic fillers

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#### Reactants employed include:

- Maleic anhydride
- Organic peroxides, including di-tert butyl peroxide
- Organo silanes
- NaOH, LiOH & KOH
- Tempo (Tetramethylpiperidinyl-1-oxy)
- Cyclohexane-methanol
- Methanol and IPA
- Titanates
- Vulcanizates and appropriate Ti based catalyst systems
- Amines
- Water

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## Processing Line Design: Lines 1, 2, 4, 6, 7 & 8

Line 1 is a 92 mm, 44:1 W&P, 600 hp / 580 rpm TSE K-Tron Feeder assemblies

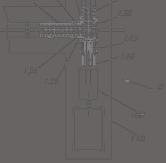


Figure Four

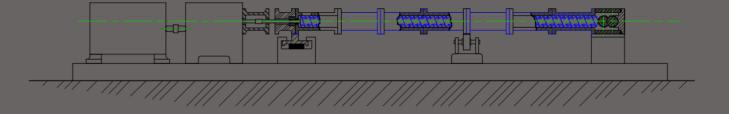


Figure Eight

## Processing Line Design: Lines 1, 2, 4, 6, 7 & 8

- Line 1 is a 92mm, 44:1 W&P, 600 hp / 580 rpm TSE K-Tron Feeder assemblies
- Lines 2, 4, 6 & 8: Each is a 92 mm, 44:1 W&P or Century, 700 hp / 640 rpm TSE with identical K-Tron Feeder assemblies



Figure Feer

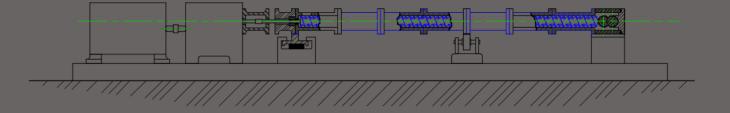


Figure Eight

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- Lines 2, 4, 6 & 8: Each is a 92 mm, 44:1 W&P or Century, 700 hp / 640 rpm TSE with identical K-Tron Feeder assemblies
- Line 7 is a 40 mm, 48:1 Coperion 50 hp / 560 rpm Inconel TSE with K-Tron Feeders. This line is designed for both R & D and production.

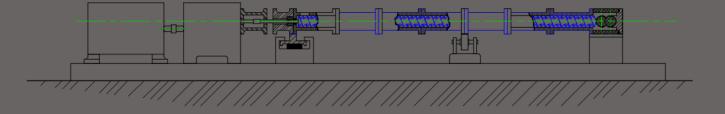
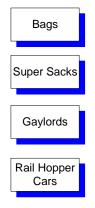
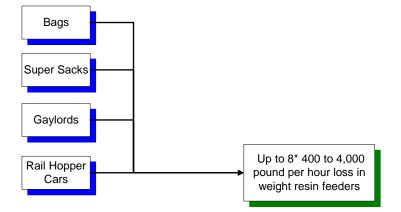
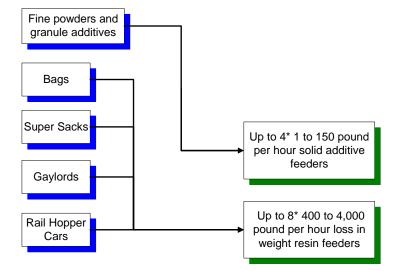
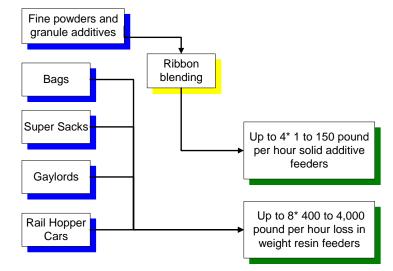


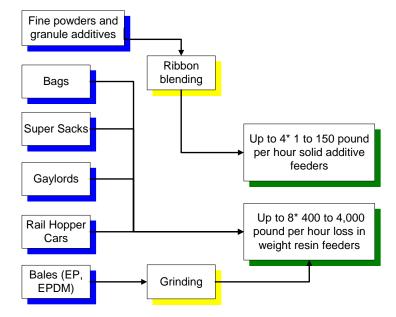
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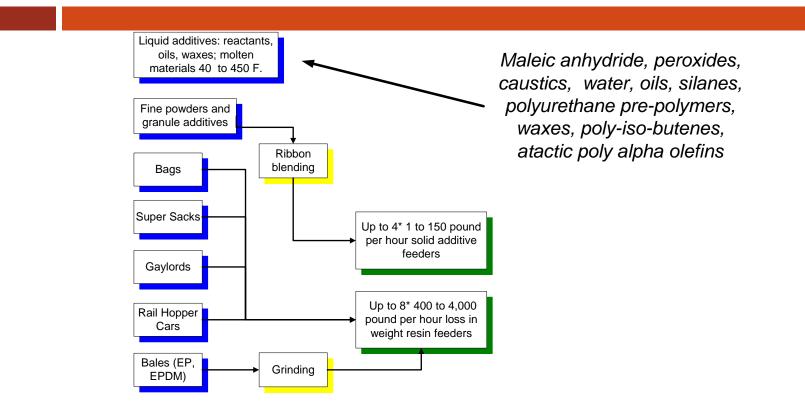


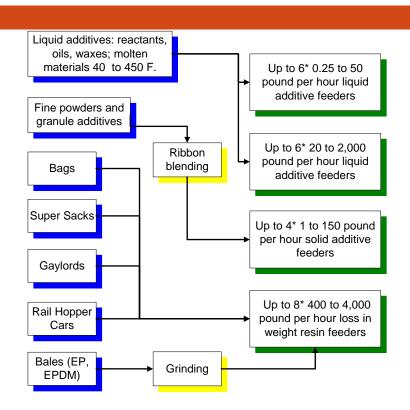


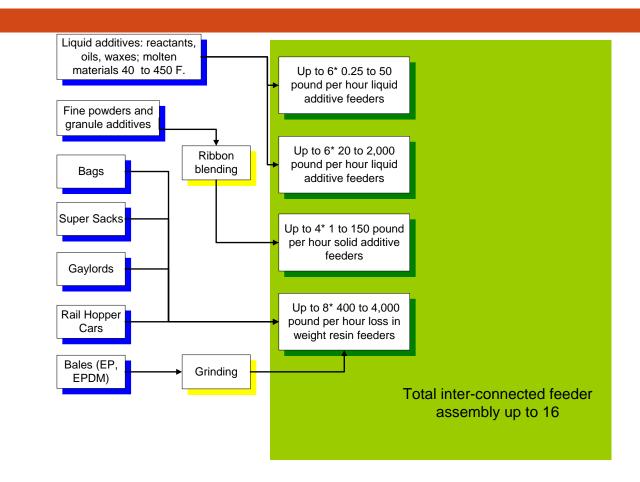


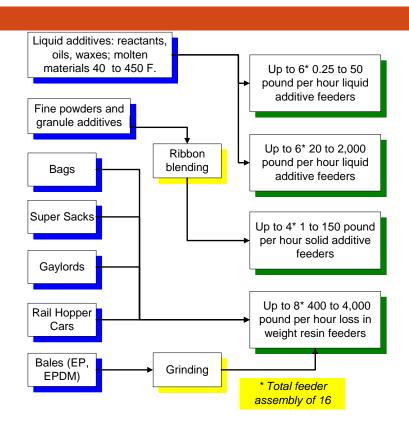


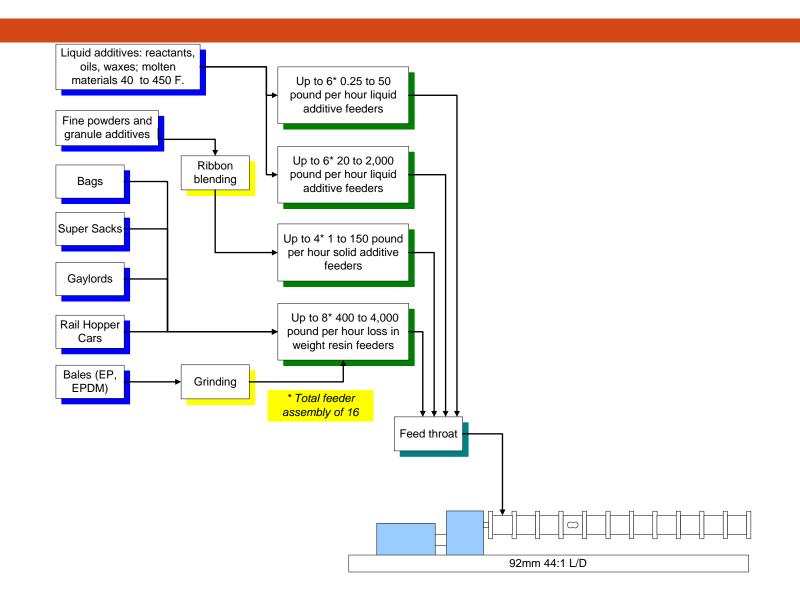


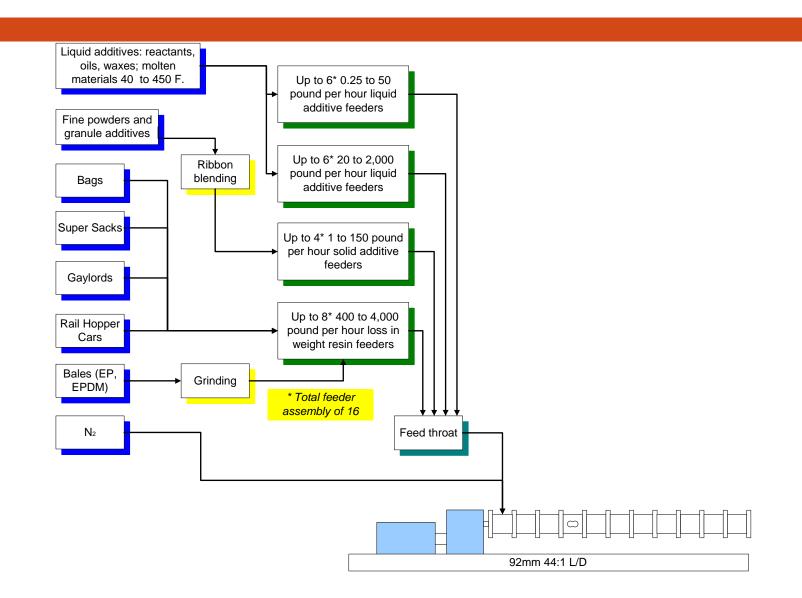


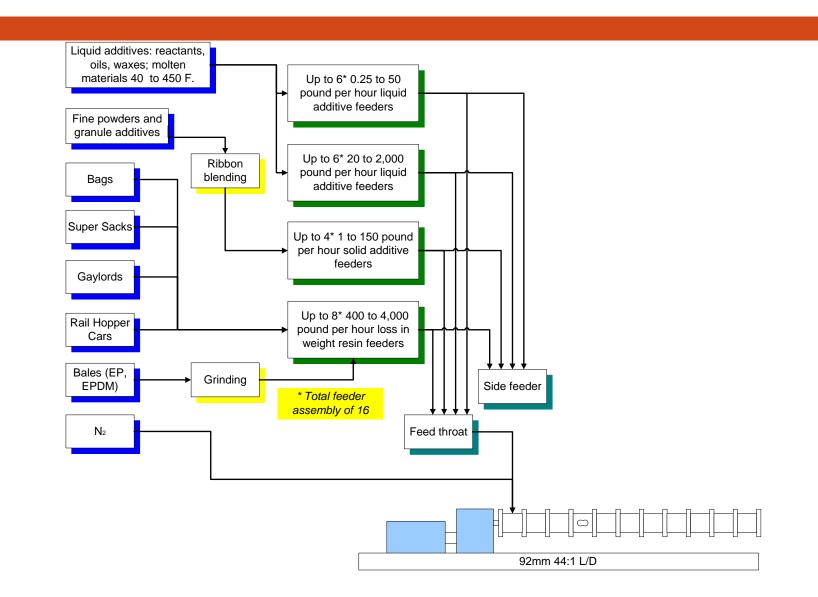


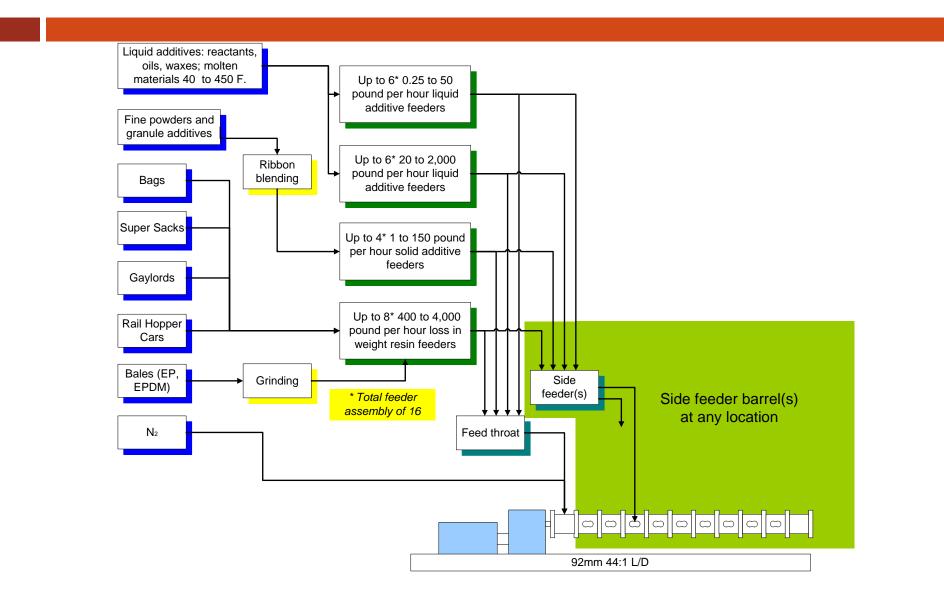


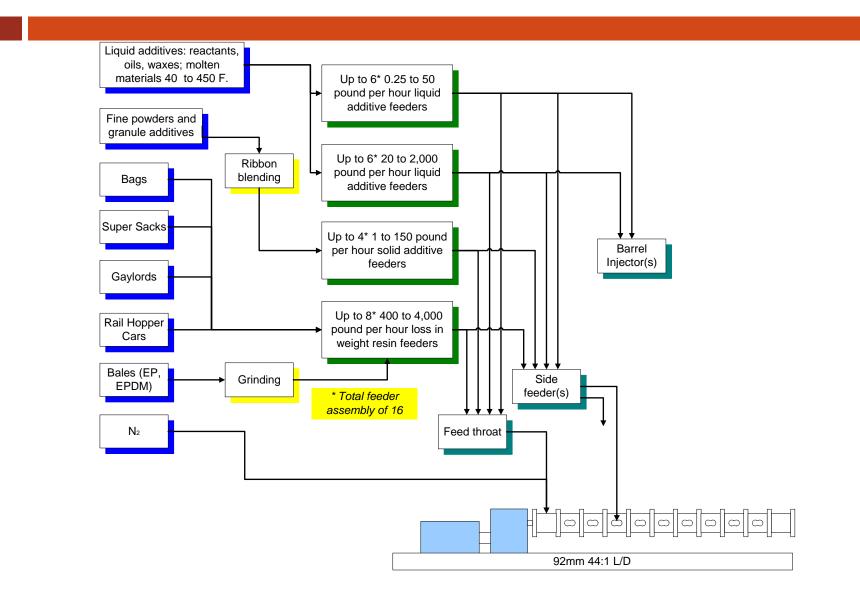


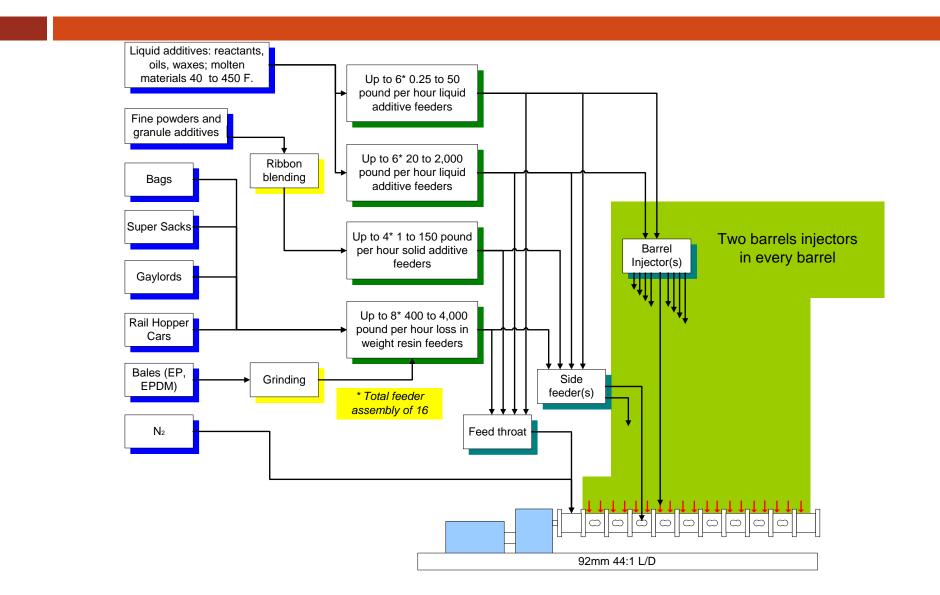


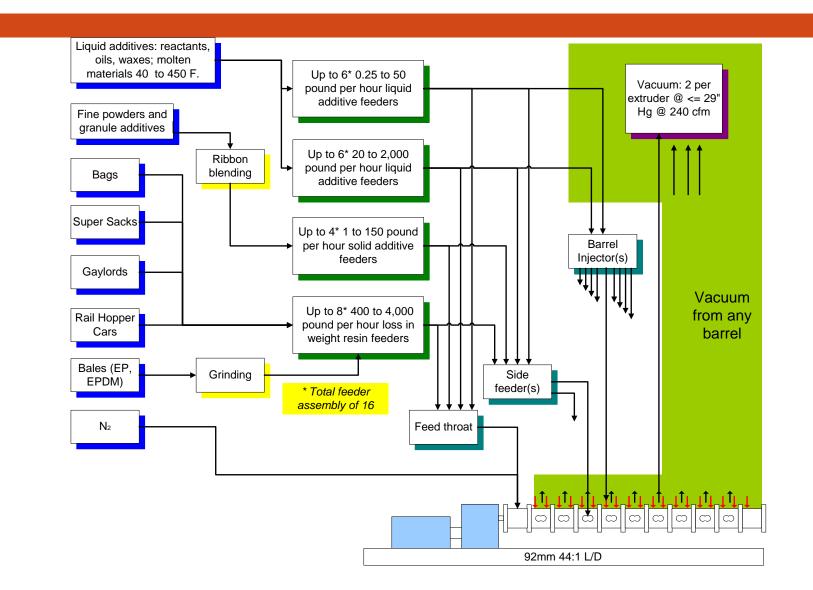


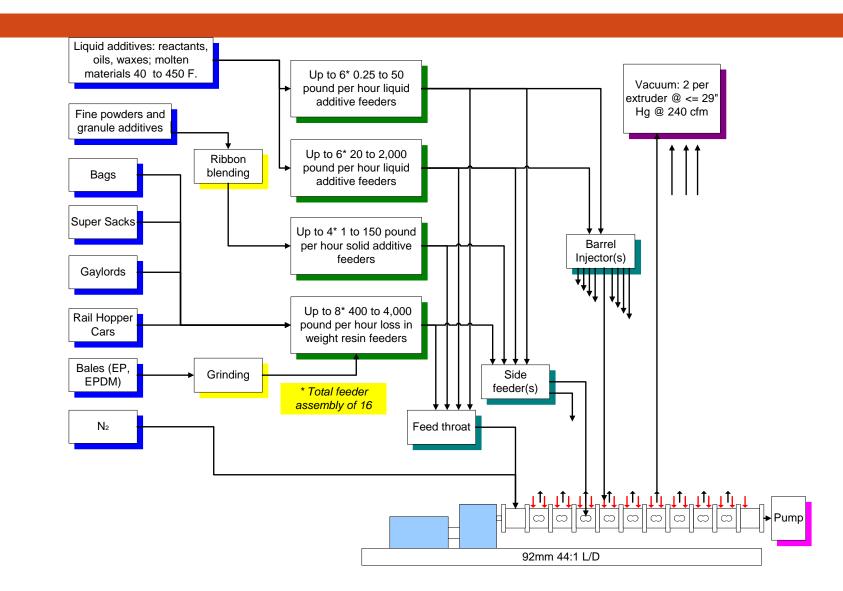


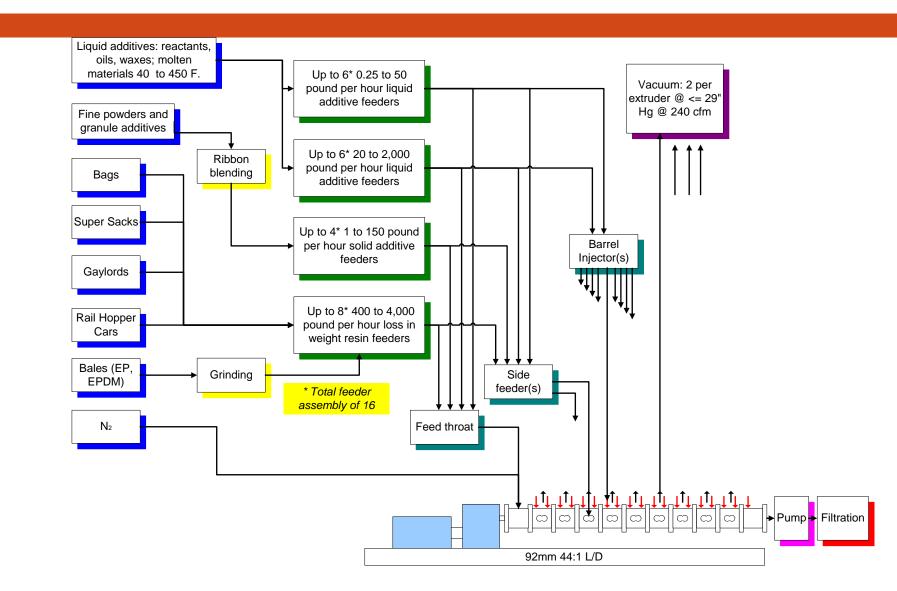


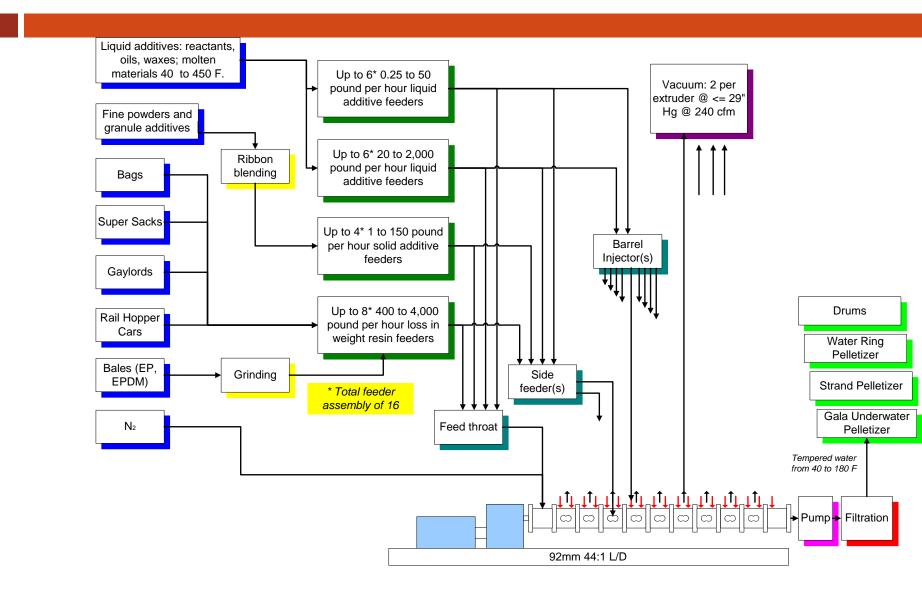


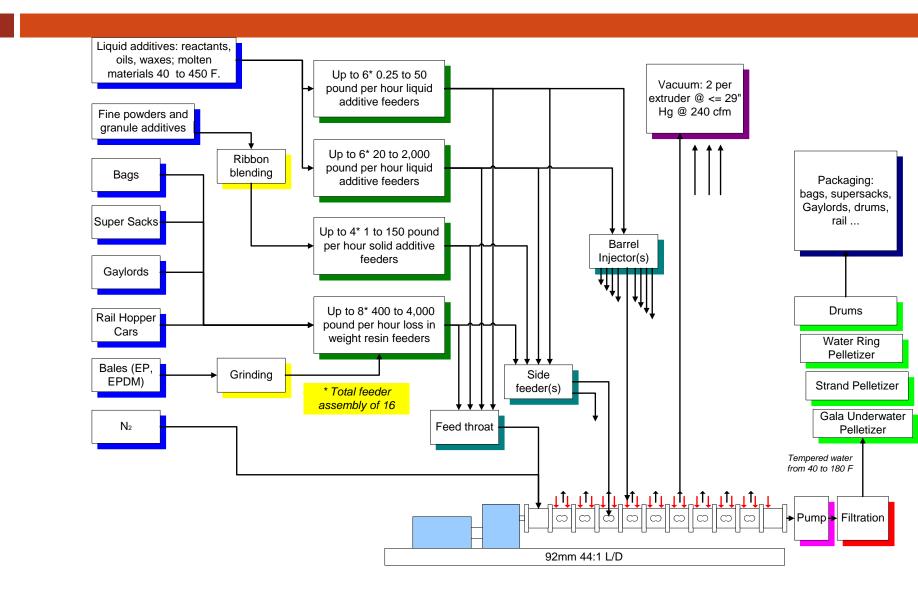


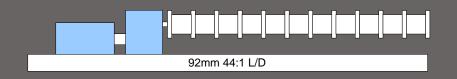


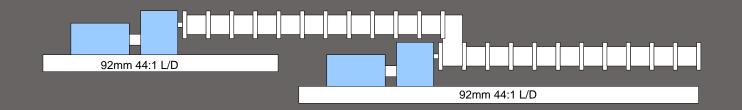


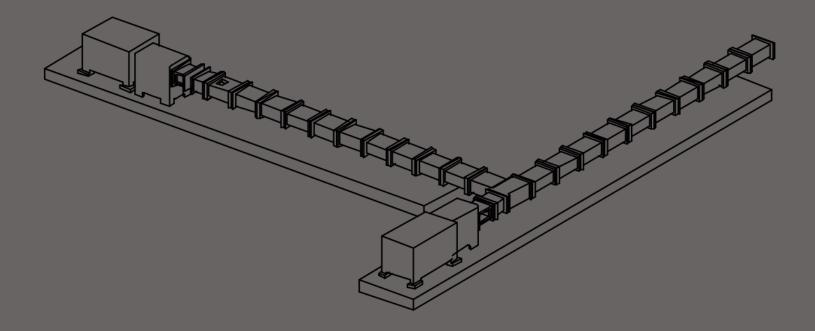


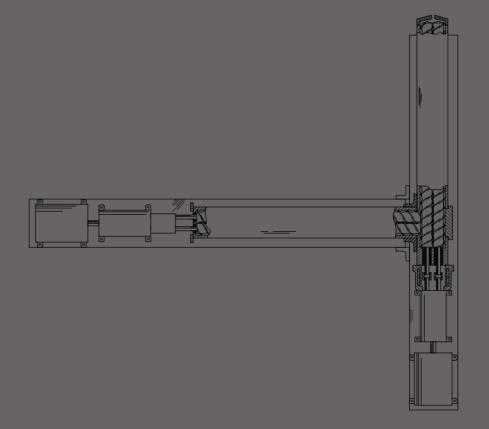


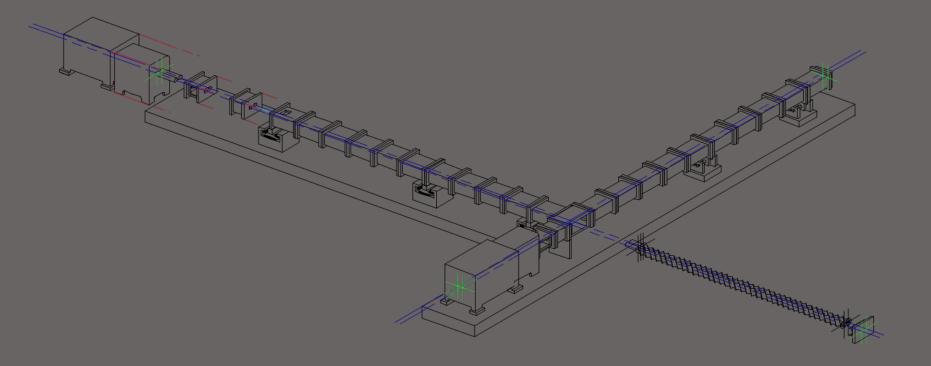


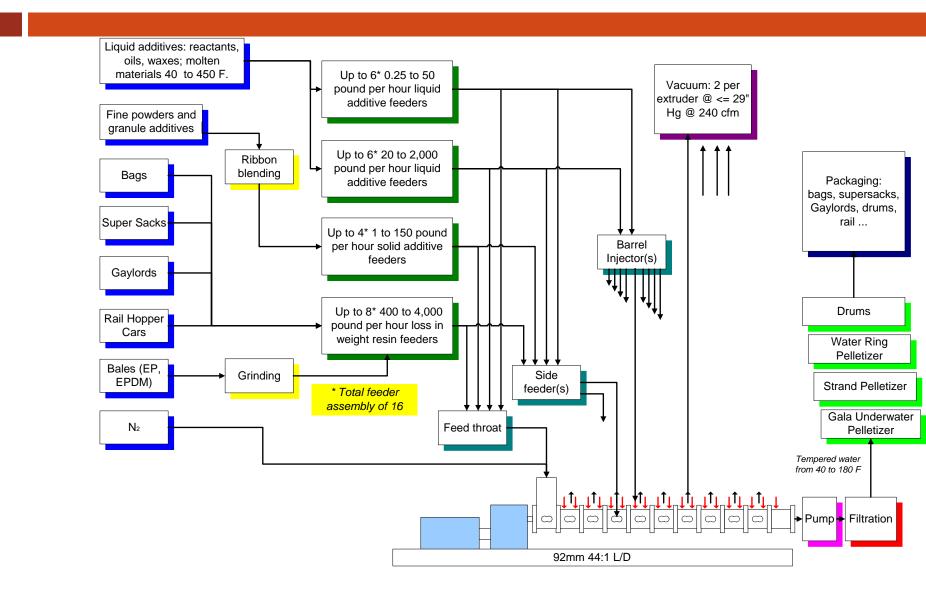




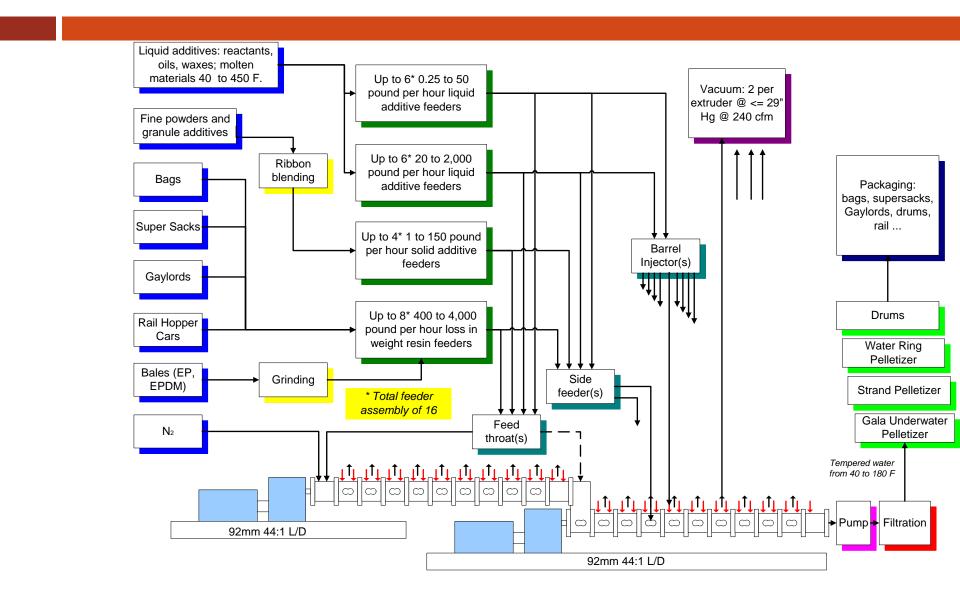








#### Lines 3-4 & 5-6





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