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Product demands steadily increasing

coperion

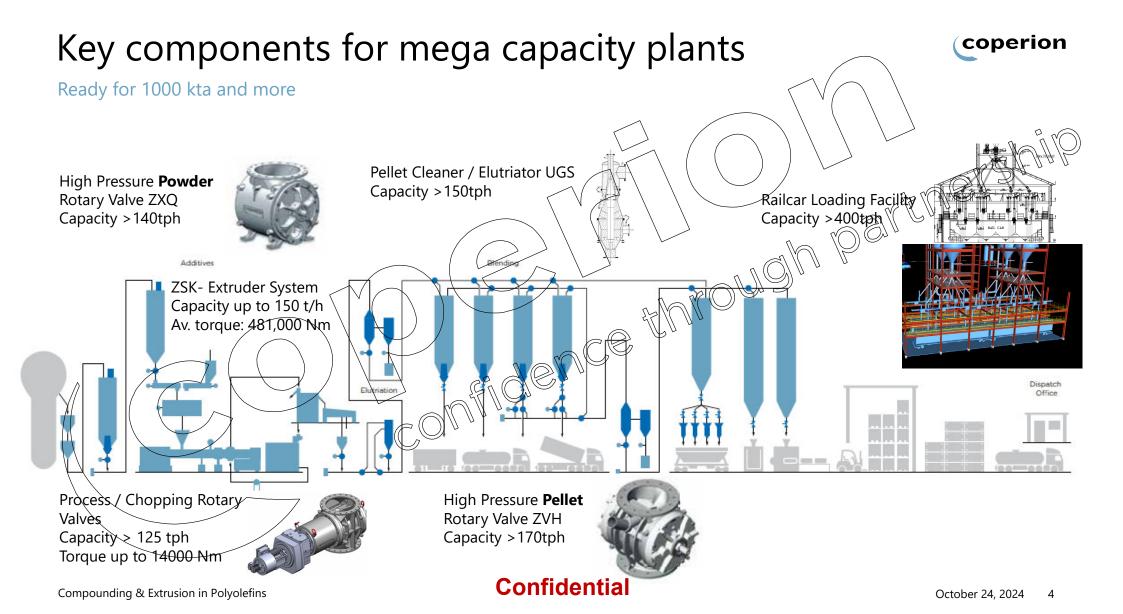
Bimodal HDPF

- Demands for > 100 t/h
- Energy efficient processes and lower operating costs Coloring of pipegrades (driven by infrastructure developments)
 Demands for 100 t/h - 150 t/h

HDPE / LLDPE

- Energy efficient processes and lower operating costs
- No pellet fines generation

- Demands for 100 t/h
- Energy efficient processes and lower operating costs No peles fines generations
- High peroxide ppm's requirement challenge homogenization in extruder and pelletizer performance Request for devolatilization and deodorizing





COPERION's differentiators on the market

Start 10 Min 35 Min 50 Min 70 Min 120 Min 180 Min 210 Min

COPERION could provide unique advantages for the customers

Coperion Lean Concepts:

- Holistic optimizations downstream the reactor
- Saving potentials in space, building, equipment, CAPEX/OPEX,

Energy Savings:

- e.g. pressure reduced discharge@ Diehead housing / Screen Pack
 - Optimited screw profiles by improvement
 - Also/as retrofit

Color Change:

- Colored pipe grades on one line
 - "With process guarantee"
 - No waste, all prime-product

Quality / Reliability:

- Increase of overhaul cycles through tech. features
 - → 98% onstream (proven data)
 - Monitoring systems
 - Emergency spares stock

Highest capacities:

- actually: 1000 kg for PE, 750 kta for PP
- Equipment for even high capacities available
 - "Economy of scale"

Unique technical features:

- e.g. non-distructive clutch (Gear Box Protection / EKW)
- on-line filter screen (Consequencial Operation)
- Superpositioning gearboxes,



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