EXTRUSION DAYS BATCH-TO-CONTI

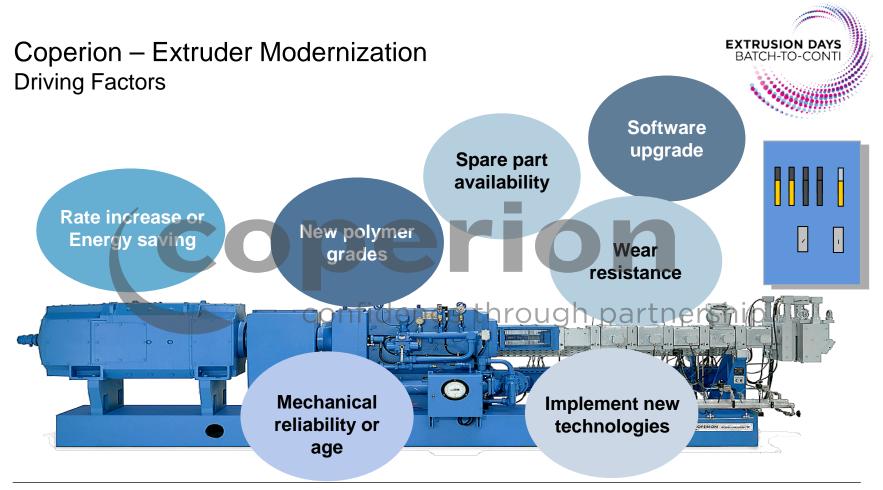


Coperion – Complete Solutions from a Single Source

Michael Ahlgrimm, Dipl.-Ing. (FH)

Director Sales Global Service Compounding & Extrusion

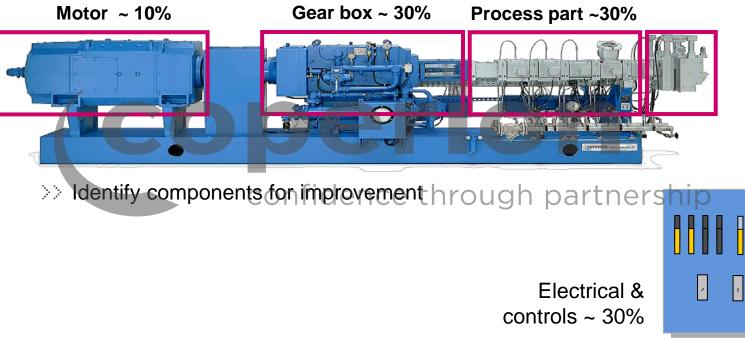
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Extruder Line – Value Ratio

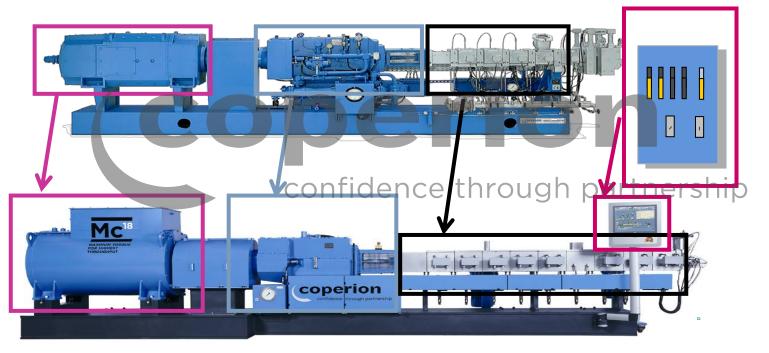






Single Component Change Possible



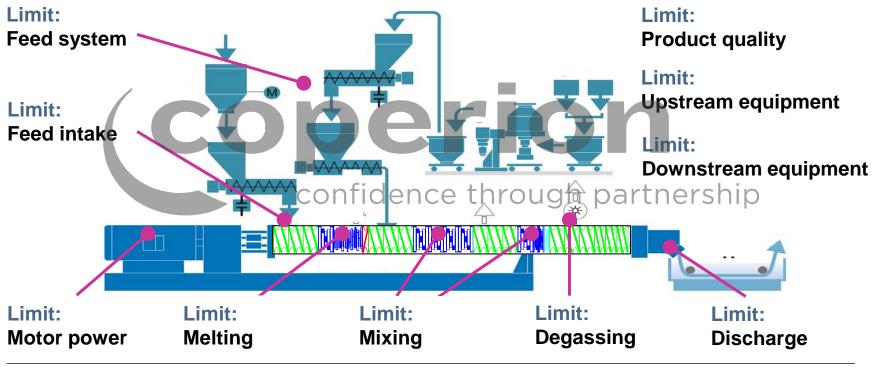




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Knowing and Understanding the System Limits





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>> Increased heater power

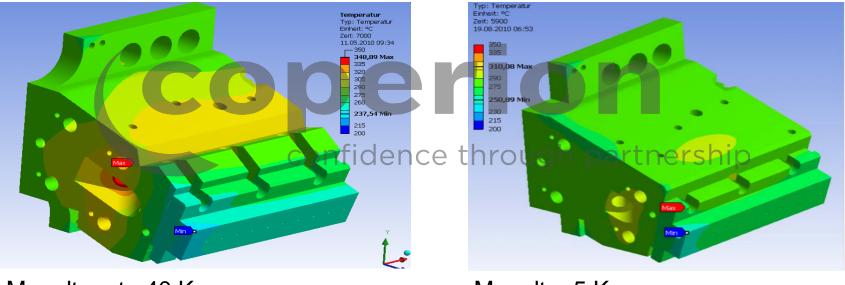
Separate temperature control zone for side and top heaters



Optimization of Die Heads



Old Design



Max dt up to 40 K

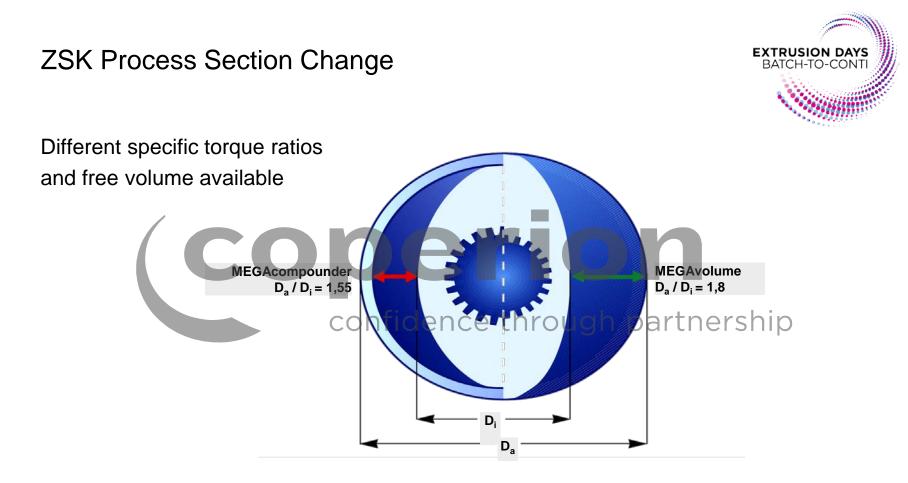
Max dt = 5 K

Current Design



Example Rate and Energy Improvements







Example for Rate Increase





>> Combination of modification can boost the benefit depending on application

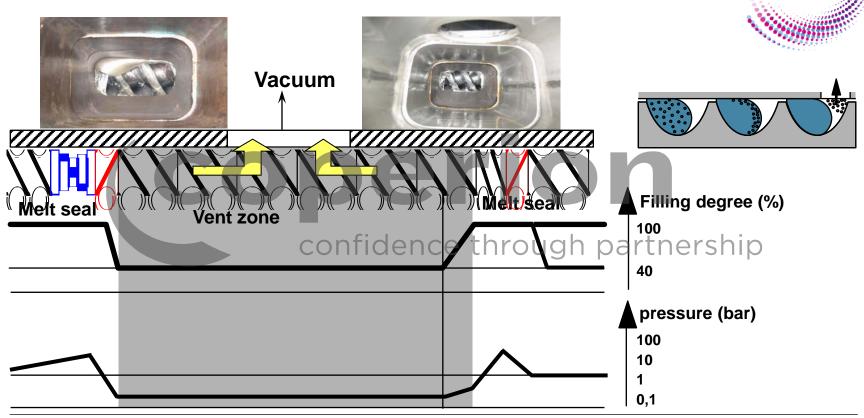


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Example Degassing Improvements



Example – Degassing of melt



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EXTRUSION DAYS

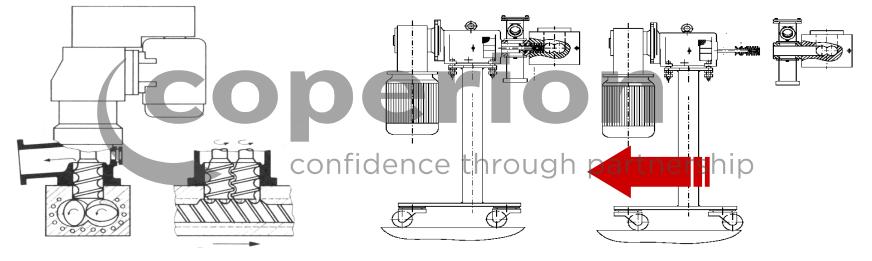
BATCH-TO-CONT

Vent Stuffers – to Allow High Degree of Fill



Previous design: DSE principle

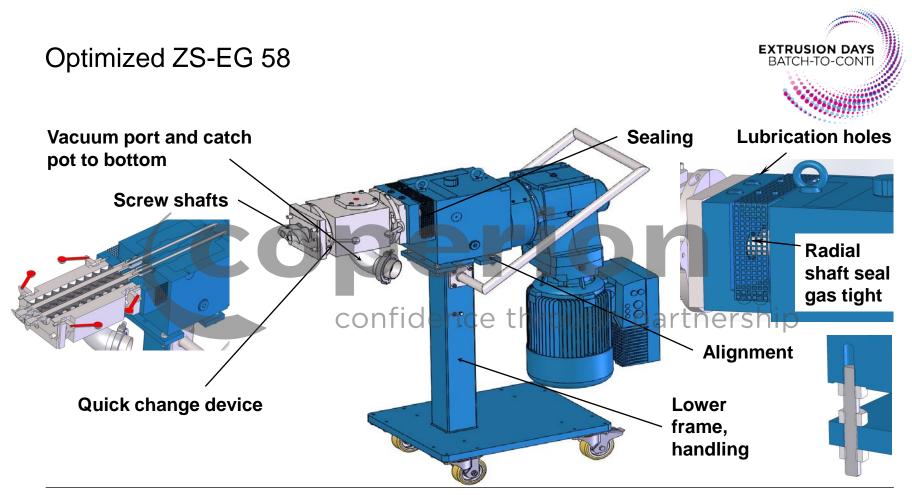
New design: ZS-EG principle



Vertical arrangement over the ZSK

Horizontal arrangement on ZSK side







Example Material Improvements



Coperion Full Service Agreements





> Full-Service Contract

Maximum efficiency and optimum operational availability of machines/plants through inspection and maintenance services entirely from one source.

Expanded Service Contract

Regular inspections and preventive maintenance work, adapted individually to the requirements of your machines/plants

Service Contract

Regular inspections and preventive maintenance work, combined with fixed service packages.

Expanded Inspection

Regular inspections and maintenance services, combined with fixed service packages.

Inspection Regular inspections of machines/plants.

Safe budget planning on operational cost for extruders

Service Contract may include wear and tear parts like:

confidence throughScrew elements/shafts

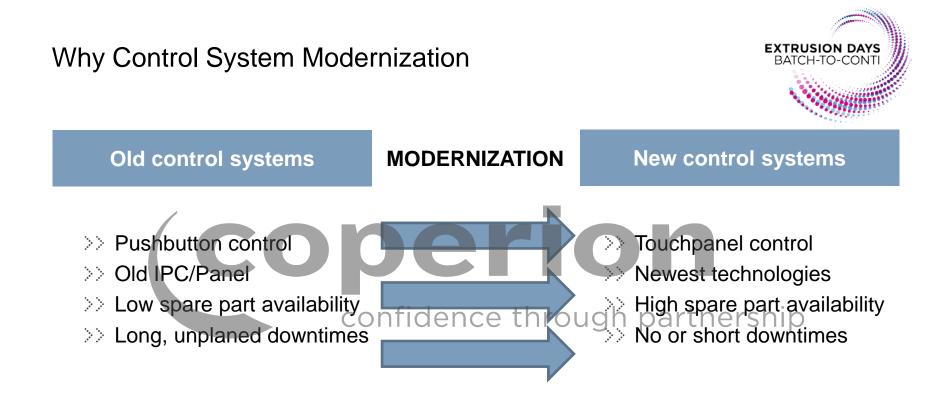
- >> Extruder barrels
- >> Gear box bearings/overhauls

Range of services



Example Control System Upgrade





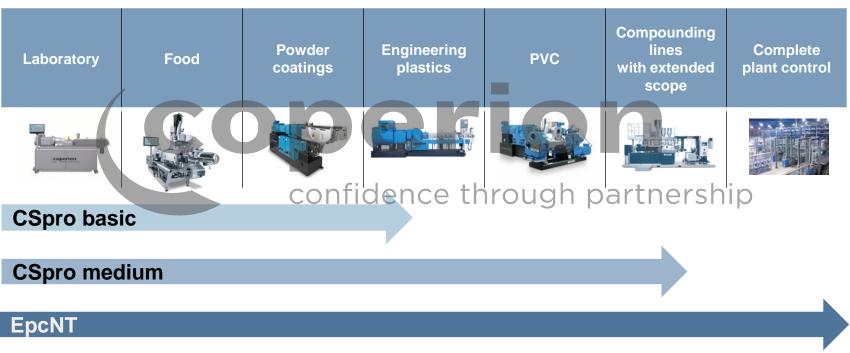


EXTRUSION DAYS Why Control System Modernization BATCH-TO-CONT **Old control systems MODERNIZATION New control systems** Epc16, Epc32, >>CSpro basic >> CScompact >> CSpro medium >> CSseperate fidence through SEpcNT (new version) >> EpcNT (old version) 5 - 2 8 8 18 0 18 0 0 2 m be 0 ----ŏ -



Overview of Control Units





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Coperion ServiceBox

EXTRUSION DAYS BATCH-TO-CONTI

- Small size
- 11 Connection possibilities
- On/off switch
- Modern quadcore processor
- High temperature resistance





Thank you very much for your attention!



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