

Long Length Scale up of High Performance CCs

- no intrinsic barrier of technology for longer length but :
- uniformity, reduce complexity,
- reduce drop outs, characterization tools to identify drop outs, root cause analysis to improve process
- need defect free production
- reduce number of processing steps, increase yield per step > 98%, find processes with larger tolerance ranges
- engineering issues (process monitoring, in-situ analysis tools) web handling (tension, weight) gets more difficult and has to be controlled
- not ready to scale up low ac-loss conductor „need a breakthrough“
- high rate + high performance
- continuous bottleneck steps identification required
- reduction of maintenance/down time by longer length processing

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