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Modelling high shear wet granulation in pharmaceutical

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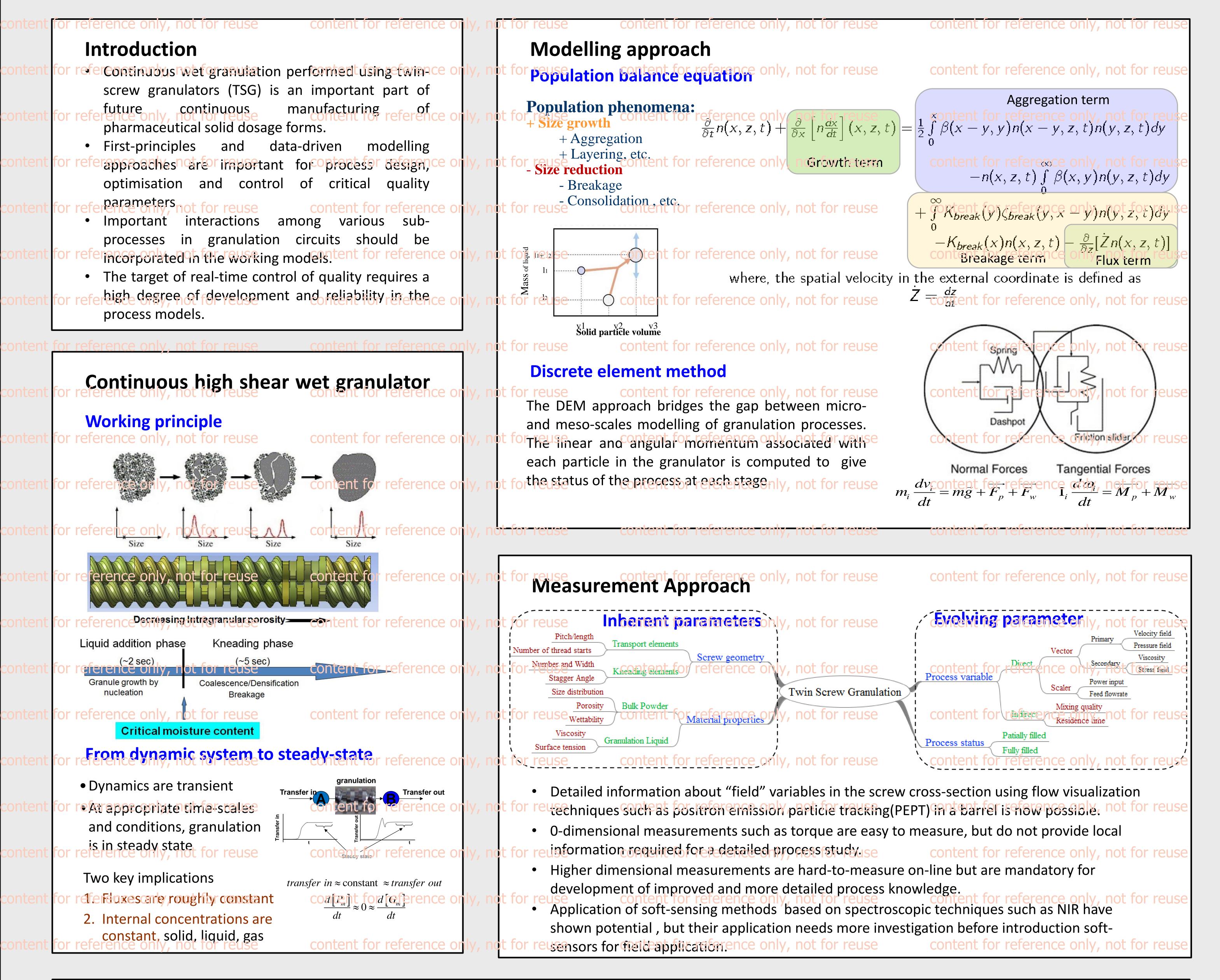
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3. Center for Process Engineering and Technology, Department of Chemical and Biochemical Engineering, Technical nt for reference only, not for reuse content for reference on University of Denmark, Denmark, Denmark, Not for reuse content for reference only, not for



ontent for reference only, not for reuse Conclusions

tent for refer Understanding granulation along the screw geometry in twin screw granulator requires higher dimensional modelling and in-process measurements providing logafor reuse

information. The modular structure of the twin-screw granulator lies in the center of modelling and measurement techniques applied.

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 A single simple model cannot predict the complex granulation behaviour with shifting granulation regimes. Therefore, different parts of the granulation process should r reference only, not for reference only, not for reuse
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 Although simulation substantially increases the understanding of the processes involved, not all process steps of granulation process can be modelled due to high reference only, not for reuse
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• The main challenge in the area of TSG measurements exists in the development of new measurement techniques which are able to measure the fundamental granule

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The available modelling methods show performance limitations as the dimensions of the model increase. This motivates the need to develop more reliable and

computationally efficient numerical methods to provide solutions which can be applied in future for online model based control. tent for reference only, not for reuse content for reuse content for

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