

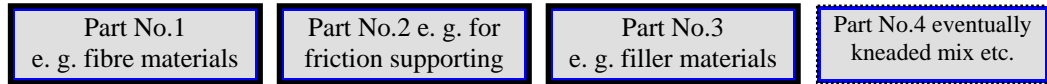
# PCM

## Process Controlled Manufacturing

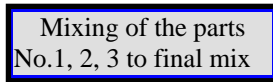
A developed and patented process of Frimatec in Germany

### THE MAIN STEPS FOR PAD PRODUCTION

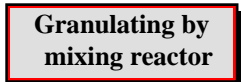
- 1) **Formulae:** One formula consist e. g. of (3) or (4) parts different already weighted raw materials (all together will contain app. 20 sorts of raw materials)



- 2) **Mixing of a Basis Compound by an existing mixer or Eirich Mixer**



- 3) **Granulates will be made by special Mixer in order to bind raw materials into Granulates**

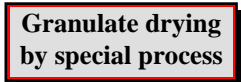


← Temperature

← Time

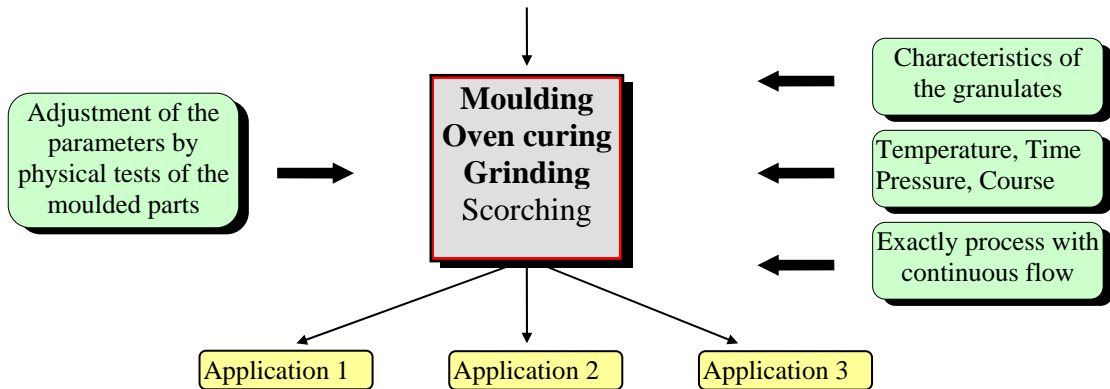
← Liquids

- 4) **Drying of the granulates**



← Size + Moisture

- 5) **Friction characteristics will be influenced by varying the process parameters**



- 6) **Following steps to finish the products does not influence performance of friction material**



→ High and uniform quality standard with tight tolerances (no deviation to the approved samples)

Legend: PCM Information Requirements for PCM Results of the PCM Process