

# Practical Application of the Kinematics Solids Conveying Model

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The paper shows that the solids conveying angle can be easily calculated from operational production machines with the kinematics model. All that are required are the screw channel dimensions, screw speed, flow rate, and bulk density. Solids conveying angles can then be tabulated for different machines for comparison, and a normal distribution can be established. Screw designs (for the same polymer) can then be checked for solids angle to see that it is within the norm.

– Stephen J. Derezinski, Extruder Tech, Inc.

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