



cpi ...the future inspired

The Centre for Process Innovation






PI Technologies – CPI Experience
Steve Donegan

From innovation to commercialisation



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About CPI

-  **Based at Wilton Centre**
-  **Funded primarily by ONE Northeast**
-  **Philosophy of creating an asset**
-  **Open access for industrial users**
-  **Chemistry and biotechnology**

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Converting Science into Wealth

Science



Money

Market led Technology

Robust Product and Process Development









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PI Technologies

-  **Spinning Disc Reactor**
-  **Fast Sulphonation and Nitration reactions**
-  **Oscillatory Baffle Reactor**
-  **Oxidation hydrogenation**
-  **Fermentation**
-  **Continuous Flow Reactors (Micro/ Mini Reactors)**
-  **Corning**
-  **Three Phase Gas/Liquid /Solid**






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Spinning Disc

-  **Project with Thomas Swann**
-  **Speed**
-  **Materials addition feeding points**
-  **Mixing Trials**
-  **Corrosion**

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Spinning Disc



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