



NiTech® Solution's Range of Proven Multi-phase Processes

		Phases	Reactions	Feasibility study completed	Continuous pilot plant
Tubular Baffled Reactor™	TBR™	Liquid-Solid-Gas	Carbonation	x	x
		Liquid-Liquid-Solid	Hyaluronic Acid	x	x
			Blending /Formulation	x	x
		Liquid-Solid	Acetylation	x	x
Liquid-Liquid	Basification	x	x		
Continuous Oscillatory Baffled Reactor™	COBR™	Liquid-Solid-Gas	Hydrogenation	x	x
		Liquid-Solid	Wetting	x	x
			Diazotisation	x	x
			Cyclisation	x	x
			Drug Encapsulation	x	
			Acetylation	x	x
			Bromination	x	
			Enzymatic reactions	x	
		Polymer dissolution	x		
		Liquid-Liquid	Polymerisation	x	x
Transesterification	x		x		
Hydration of Nitrile Amide	x		x		
Boranation	x				
Liquid-Gas	Nitration	x			
	Oxidation	x	x		
		Hydroformylation	x	x	
Liquid-Liquid Separation	In-Line phase separation	x	x		
Continuous Oscillatory Baffled Crystalliser™	COBC™	Liquid-Solid Crystallisation	L-Glutamic Acid	x	x
			Pharma API	x	
Liquid-Liquid-Solid Fractionation	Palm/Sunflower oil	x	x		

NiTech® are an innovative service and product provider who focus on understanding your chemistry to help develop more profitable processes for your business. We are constantly evaluating additional processes in our research laboratory.