

Costimator® Manufacturing Processes

The Costimator manufacturing estimating software comes with a large variety of pre-built ready-to-use processes. Having a large array of processes to select from minimizes the time it takes to begin using the Costimator system.

Costimator can be easily customized to add new processes and customize existing processes to suit your needs.

Abrasive Belt Grind	Brazing
Abrasive Cutoff	Brazing, Dip
Abrasive Rotary Sanding	Brazing, Furnace/Oven
Abrasive Waterjet	Brazing, Induction
Acid Emulsion Cleaning	Brazing, Resistance
Acid Neutralize	Brazing, Torch
Acid Pickle	Broach
Adhesive, Spray	Broach, Blind-Spline
Adhesive, Surface Activated	Broach, Continuous Chain
Alodine Solution	Broach, External "Pot" Broach
Anodize	Broach, External Forms
Anodize on Magnesium	Broach, Horizontal
AQL test for passivation	Broach, Vertical
Assembly	Buff
Assembly of Hard Disk Drives	Burn, Flamecut
Assembly, Auto Pem Inserter	Burnish
Assembly, Brazing	Burnish, Gear
Assembly, Electrical	Burnish, Production Parts
Assembly, Mechanical	Burnish, Roller
Assembly, Piping	Burr
Assembly, Point to Point Wiring & Mechanical	Cadmium Plate
Assembly, Sheet Metal	Cam Grind
Assembly, Weldments	Cam Mill
Assembly, Wind (Motors, etc)	Case Harden
Automotive Airbag Assy	Casting
Automotive Processes	Caustic Etch
Bag & Seal	Chemical Machining
Bake Parts	Chemical Machining (CM)
Balance Parts	Chemical Machining, Electro (ECM)
Band Saw, CNC	Chemical Machining, Electro Pulse (PECM)
Benchwork	Chemical Machining, PCM
Bevel Machine	Chemical Milling (CM)
Black Oxide	Chromate
Boring Mill	Chromate Post Treat
Brake	Chrome Plate
Brake, Folding, Manual	Circuit Board Processes
Brake, Hydraulic	Cleaning Processes

Costimator® Manufacturing Processes

CNC Bend, Extrusion
CNC Bend/Slide Form, Weld
CNC Boring Mill, Horz
CNC Boring Mill, Vert
CNC Brake, Folding
CNC EDM, Drill
CNC EDM, Sinker
CNC EDM, Wire
CNC Fiber Placement
CNC Flamecutting/Plasma
CNC Laser/Punch
CNC Lathe
CNC Lathe, Chucker w/Mill
CNC Lathe, Engine
CNC Lathe, Multi-Spindle
CNC Lathe, Univ
CNC Lathe, VTL
CNC Mach Ctr, VTL (5) axis
CNC Mach Ctr, Horz (5) axis
CNC Mach Ctr, Univ
CNC Mill Turn Center
CNC Press Brake
CNC Router
CNC Saw, Circular
CNC Turret Punch
CNC Turret Punch/Laser
CNC Turret Punch/Plasma
Coating
Coil Slitting
Coining (Forging)
Composite Mfg
Copper Plate
DeBurr
Deburr, Vibratory
Decorative Chrome
Degrease
Deoxidize
De-Slag
Desmutter
Dial Machine
Die Casting
Die Maintenance & Repair
Drill Press
EBM (Electron Beam Machine)
ECM (Electro Chemical Machining)
EDM, Sinker
EDM, Sinker Drill
Electroless Nickel Plate
Electronic, Assembly & Processes
Electronic, Axial Insertion
Electronic, Circuit Board, Wave, Wash, Trim
Electronic, Cut (Wire)
Electronic, In Circuit Test
Electronic, Manual Insertion
Electronic, Radial Insertion
Electronic, Touch Up
Electronic, Wave Solder
Electronic, Wire Harness
Engineering
Engrave
Engrave, Laser
Extrusion
Face Gears, Gear Grinding
Face Gears, Gear Shape Method
Face Gears, Hob Method
Fiberglass Manufacturing
Filament Winding (Composites)
Finishing, Organic
Flamecut
Forced Air Drying
Forging Process - Rolled Ring
Form Cylinders
Form, Draw
Four Slide
Gear Grinding
Gear Shaping
Gear, Lap Teeth
Gearcut, Bevel, Mill
Gearcut, Bevel, Spiral Generator
Gearcut, Bevel, Straight Generator
Gearcut, Hob
Gearcut, Rack
Gearshaving
Glue
Gold Plate
Gravity Casting
Grind, Cam
Grind, Centerless
Grind, Creepfeed
Grind, Cutter
Grind, ID
Grind, Jig

Costimator® Manufacturing Processes

Grind, OD	Lathe, Spinning
Grind, Surface	Lathe, Univ
Grind, Surface, Rotary, Vert	Lathe, VTL
Grind, Thread	Lead Plate
Grind, Universal	Leak Test
Grit Blast	Mark & Identify
Gun Drilling	Marking, Laser
Hardcoat	Masking-Unmasking
Heat Treat	Mill, Manual
Heat Treat, Carburize	Mill, Manual, Boring, Horz
Heat Treat, Induction Harden	Mill, Manual, Horizontal
Heat Treat, in-house	Mill, Manual, Knee Mill
Heat Treat, Quench and Draw	Mill, Manual, Planer
Heat Treat, Redraw	Mill, Manual, Universal
Heat Treat, Sub Contract	Mill, Manual, Vert Bridge
Hone	Mill, Manual, Vertical
Hot Stamp	Mill, Profiler
Hot Water Rinse	Mill, Thread
Impregnate	Mill, Vertical Slotter Keyseater
In Process Rinsing	Mold, Injection
Incoming Raw Material	Molding
Induction Hardening	Molding, Compression
Ink Stamp	Molding, Injection
Inline Thermoforming	Nickel Plate
Inspection	Nickel Undercoat
Inspection, CMM	Nital Surface Temp Acid Etch
Inspection, Comparator	Nitride
Inspection, Final	Notcher
Inspection, Magnetic Particle	Outside Services
Inspection, Receiving	Oven
Inspection, Ultrasonic	Pack & Ship
Inspection, Visual	Pad Print
Inspection, X-Ray	Paint
Iron Worker	Paint (Sub-contract)
Jig Bore	Paint (Using in-line conveyor)
Jig Grind	Paint @ Spray Booth
Kitting	Palladium Plate
Lap	Parkerize on Steel
Laser cutting	Parts Washer
Laser Drilling	Passivate
Laser Sintering (Cad to Shape)	Periodic Deoxidizer
Lathe, Centering	Phosphate on Steel
Lathe, Manual, Engine	Planer
Lathe, Manual, Tool Room	Plasma Arc Cutting
Lathe, Manual, Tracer	Plate rolling
Lathe, Manual, Turret	Plating

Costimator® Manufacturing Processes

Plating Processes-Costs	Roll Threads
Plating Processes-Step by Step	Rotary Air Bender
Stamping	Rotary Die Cutting
Plating, Sub-Contract	Rotary Machining
Platinum Plate	Rotary Transfer Machine
Polish	Rotational Molding
Powder Coating	Router
Press	Router, Hand
Press, Arbor	Sand Blast
Press, Blanking	Sand Casting Process - Green Sand
Press, Brake	Saw
Press, CNC Punch/Plasma	Saw, Band
Press, Compacting	Saw, Cold
Press, Deep Draw	Saw, Dicing
Press, Flange	Saw, Panel
Press, Forming	Screw Mach, CNC Swiss Type
Press, Hammer (Forging)	Screw Mach, Multi-Spindle
Press, Hem	Screw Mach, Single Spindle
Press, Hot Form	Sewing & Stitching
Press, Hydroform	Shaper, Horiz
Press, Panel Bender	Shaving
Press, Pierce	Shear
Press, Precision	Shear, Circle
Press, Punch	Shipping
Press, Roll Form	Shot Blast
Press, Rubber	Shot Peen
Press, Sintering	Silk Screen
Press, Stamping	Silver Plate
Press, Straightening	Sinter
Press, Stretch Form Extrusion	Skiving of Plate Stock
Press, Stretch Form Sheet	Slitter
Press, Transfer	Slitter, Sheet Stock
Press, Trim	Slitter, Sheet/Plate
Pressure Test	Slitting (Laminated Material)
Prime	Slotting (of tubing ends)
Printing on Plastic	Soak Cleaner
Pultrusion	Solder
Punch	Solder, Flushing
Quality Control	Spline Rolling
Radial Drill Press	Spot Welding, Robotic
Receiving	Spring, Burr
Regrind Material	Spring, Coiler
Rework	Spring, Cutoff
Rhodium Plate	Spring, Former
Riveting	Springmaker
Roll Forming	Stain (Using in-line conveyor)

Costimator® Manufacturing Processes

Stamping	Weld, Clean & Grind
Straightening	Weld, Cost of Consumables
Stress Relieve	Weld, Manual
Stretch Form	Weld, Orbital
Sub Contract	Weld, Robot
Superplastic Form	Weld, Setup & Tack
Supersonic Gas-Liquid Clean	Welding
Surface Finish Calculation	Welding, Arc
Swage	Welding, Butt
Test	Welding, Butt (Wire)
Thermoforming, Plastic Sheet - Rotary	Welding, Clean
Thermoforming, Plastic Sheet - Shuttle	Welding, Cost of Electrode
Thread Milling	Welding, EB (Electron Beam)
Thread Rolling	Welding, Fitup
Thread Whirling	Welding, Fitup & Adjust
Thread, Worm	Welding, Flame
Tin Plate	Welding, Flux Core
Tin-Lead Plate	Welding, Friction Stir
Tool Life Calculation	Welding, Grind Welded Edges
Tool Maintenance & Repair	Welding, Laser
Tool Room	Welding, Mig
Trim	Welding, Plasma
Tube & Pipe Manufacturing	Welding, Projection
Tube Bead	Welding, Ransome Manipulator
Tube Bend	Welding, Resistance
Tube End Forming	Welding, Robot
Tube, Automatic Cutoff	Welding, Seam
Tube, Laser	Welding, Skip
Tube, Slotting (of tubing ends)	Welding, Spot
Tube, Weld, Orbital	Welding, Stick
Tumble Deburr	Welding, Stud
Ultrasonic Inspection	Welding, Sub-Merged Arc
Ultrasonic Weld Plastic Parts	Welding, Tig
Upsetter (Forging)	Wire Harness Assembly
Vacuum Form	Wire Processing
Vapor Degrease	Wire, Straighten & Cut
Wash	Zinc Phosphate on Steel
Waterjet	Zinc Plate
Wave Solder	Zyglo