

FEATURE RECOGNITION ESTIMATING

Automate the costing and accurately calculate the time of parts manufactured on CNC Lathes, CNC Mills, Machining Centers and sheet metal items produced on CNC Lasers, Oxy-fuel Equipment and Turret Punch Presses.

How It Works - 3 Easy Steps

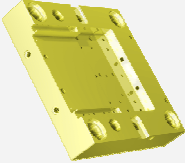
1. The material type and production quantity is selected.
2. The 3D CAD drawing is loaded into the Software.*
3. The machine type is selected for production.

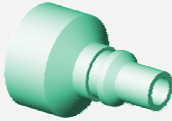
Results

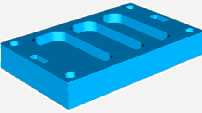
The software interpolates the drawing, applies proprietary Knowledge based Manufacturing rules and produces Machine Specific engineered process plans with comprehensive times and cost.

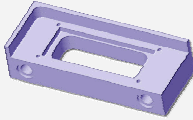
* For 2D drawings, simply click on features to be cut or use the built-in interactive digitizing.

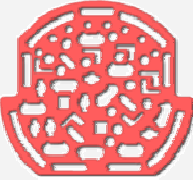
Feature Recognition Applications

	Part Name	Mold Base
	Size	9" x 12" x 1.75"
	Material Grade	Steel SAE 4140
	CAD File Type	3D Model .step file
	Equipment	Mazak VCN
	Operations	2 Axes Machining
	Manufacturing Time	310 Minutes
	Time to Estimate	7 Minutes
	Cost	\$573.12

	Part Name	Housing Blank
	Size	2.25" Dia. x 3.375"
	Material Grade	Steel SAE 12L14
	CAD File Type	SolidWorks .sldprt
	Equipment	Hardinge T42
	Operations	2 Axes Machining
	Manufacturing Time	4.39 Minutes
	Time to Estimate	3 Minutes
	Cost	\$21.30

	Part Name	Lock Plate
	Size	8" x 5" x 1.25"
	Material Grade	Steel SAE 1018
	CAD File Type	SolidWorks
	Equipment	HAAS HMC
	Operations	2 Axes Machining
	Manufacturing Time	98 Minutes
	Time to Estimate	4 Minutes
	Cost	\$167.10

	Part Name	Mounting Block
	Size	4.2" x 1.62" x 1.25"
	Material Grade	Alum. SAE 6061-T6
	CAD File Type	Parasolid .x_t
	Equipment	Mori Seiki MV 55
	Operations	2 Axes Machining
	Manufacturing Time	41 Minutes
	Time to Estimate	4 Minutes
	Cost	\$73.42

	Part Name	Top Plate
	Size	24" x 21.5" x .062"
	Material Grade	Steel SAE 1018
	File Type	AUTOCAD 2D.dxf
	Equipment	Amada Laser
	Operations	2 Axes Cutting
	Manufacturing Time	11.53 Minutes
	Time to Estimate	5 Minutes
	Cost	\$31.03

3D Estimating Incorporates SolidWorks™ – **2D Estimating** incorporates an intelligent CAD system and smart digitizing. Standard CAD and graphic **file formats** are supported.



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