



Scott Machine Development Corp.

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**Scott AutoGraver II
 Price List**

Catalog #	Description	Price
Equipment and Software		
U-01	* Ready-to-operate Autograver II engraving machine, software, tools, cables & sample plastics starter pack, 1-year warranty and 3-hour phone support * Asterisk marked items below are included	6,995
U-06	Picture Engraving Software - import jpg files for rasterized output	795
U-10	Autograver II TrueType module - supports engraving of all TrueType fonts on your system	795
Accessories - each designed to enhance your productivity		
U-13	Vacuum system - 1/8 hp vacuum unit, foot switch, 3/8" ID clear tubing and ventilated chip-extracting nose cone	740
U-14	Ventilated chip-extracting nose cone, 3/8" ID clear tubing, 1 1/4" adapter, attaches to typical vacuum equipment hose	180
U-21	Ventilated chip-extracting nose cone - integrated vacuum port	170
U-20	* Standard nose cone - no vacuum port	75
TPHDM	High-tack hold-down mat, 8" x 12"	60
U-15	Precision auto-centering vise, 8.5" opening	500
U-27	Vise jaws, 6" wide, multiple steps on face, notched for round parts and medallions, 16 holes	85
U-18	Rubber coated pins fit snugly into jaws holes to grip discs & odd shapes	22
U-22	* Standard tool holder - hold engraving tools when engraving plastics	5
U-23	* Light-touch tool holder - hold all tools when marking metals	120
U-28	* Wrench for light-touch tool holder	3
U-29	* Wrench for standard tool holder	3
U-30	FX Replacement spindle	450
U-24	* Wrench (spanner) for spindle	22
U-25	Spindle belt (replacement)	16
U-19	* USB to serial port adapter (engraver equipped with serial port)	60
Tools to Engrave, Scribe, Cutout & Burnish - 11/64" diameter x 7" long stainless steel shank		
U-C0	* 0.010" carbide tip Engraving tool	24
U-C1	0.015" carbide tip Engraving tool	24
U-C2	0.030" carbide tip Engraving tool	24
U-C4	0.060" carbide tip Engraving tool	24
U-C6	0.090" carbide tip Engraving tool	24
U-C8	0.125" carbide tip Engraving tool	24

Tools to Engrave, Scribe, Cutout & Burnish - 11/64" diameter x 7" long stainless steel shank		
U-CPC		0.060" carbide tip Cutout tool - engrave vertical-edge profiles & holes through 1/16" plastics 29
U-CQS		0.020" carbide tip high-relief Engraving tool for lettering stainless steel 29
U-DG2	*	Scribing tool, 120 degrees (included angle), diamond tip 22
U-B03		0.003" diamond tip Burnishing tool 58
U-B1		0.010" diamond tip Burnishing tool 58
U-B2		0.020" diamond tip Burnishing tool 58
U-B3		0.030" diamond tip Burnishing tool 58
Support		
Warranty	*	One year return-to-factory for repair or replacement Free
Tech Support	*	Three hours of phone support with our engraving experts (Additional hours:\$65) Free

Prices subject to change without notice.

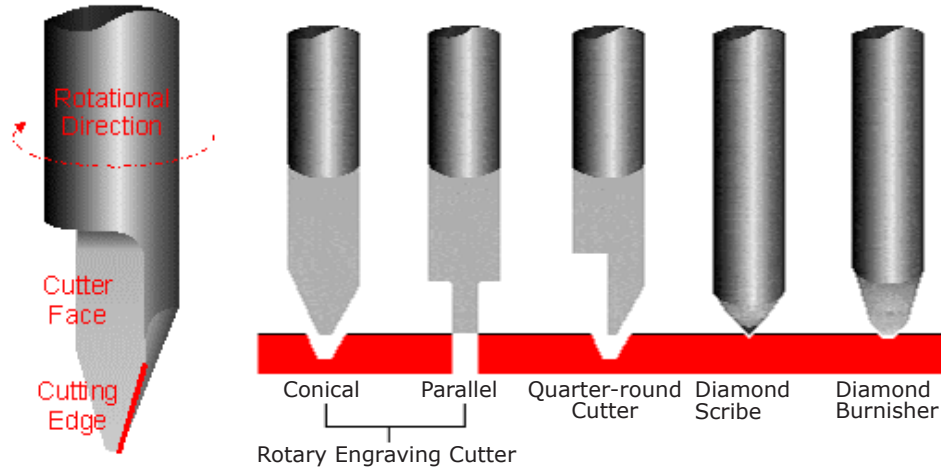
Hardware Specifications

Performance Specifications	
Engraving area	10.4" x 8.0" (265 x 205 mm)
Z axis travel	2.63" (67 mm) no vise installed
Z axis clearance	3" (75 mm) from bottom of spindle to bed, 2" to top of vise jaws
Feed rates	Maximum X & Y axis feedrate: 5.24 in/sec (133 mm/sec)
Spindle speed	14,000 rpm fixed
Vise options	Optional vise with 8.5" (215 mm) opening; optional 6" wide jaws with 16 holes; optional rubber-coated pins to hold irregularly shaped objects
General and Environmental Specifications	
Dimensions	18" x 17.25" x 14.625" (460 x 440 x 372 mm) with integrated controller
Weight	43 lbs (19.5 kg)
Shipping Weight	58 lbs (26.3 kg) shipped complete in one box
Construction	Stainless steel spindle, lead screws and precision linear rails, steel chassis
Spindle motor	42W DC motor, 3.0 A at 117 V, 1.6 A at 230 V
Noise level	No-load operation: 75 dB (A) or less; Standby: 45 dB (A) or less (According to ISO 7779)
Environment	Temperature: 41 to 104°F (5 to 40°C) humidity: 35 to 80 % (no condensation)
Computer Specifications	
PC Interface	Serial (Serial-to-USB adapter included)
Software	Included with each machine, with one security dongle, 32 bit Windows or 64 bit Vista software, 100 Engraving fonts, international symbols and miscellaneous graphics
Minimal PC	PC with Pentium 4 2GHz processor, 256Mb RAM, 100Mb Hard Disk, Mouse, SVGA Monitor running at 265 color, Windows 2000, XP or XP64 with Service Pack 2
Suggested PC	PC with Pentium 4 3GHz processor, 1Gb RAM, 100Mb Hard Disk, Mouse, SVGA Monitor running at 24bit color, Windows 2000, XP or XP64 with Service Pack 2

Software Specifications

Unique Direct Dimensioning from Workpiece to Screen	
Measure plate	Position cutter over workpiece to measure plate, capture dimensions
Read ref position	Position cutter over point of reference, capture location to screen
Measure circle	Position cutter over round objects, capture dimensions to screen
Measure points	Position cutter over points, capture locations
Productivity Tools - Minutes Faster, Years Ahead®	
Serial Numbering	Consecutive unlimited number sequence
Duplicate	Workspace, single, and multiple objects
Templates	User definable, draw or import template
Corners	Autodraw round or square corners
Layout & Design Assistance	
Shading	Create different effects
Auto Layout	Text is auto-sized to fit your workspace
Horizontal/Vertical	Center on workspace
Fonts	100 standard engraving
Symbols/Clipart	100 + vector and bitmap
Edit	Beziers, lines, arcs
Draw Objects	Lines, rectangles, bezier, circle
Imperial/Metric	Selectable units of measure
Text to Path	For scrolls totally automated, just select font
Arc Text	Dynamic
Re-size	Dynamic
Undo/ReDo	Unlimited
Move	Dynamic click-&-drag
Rotate	Dynamic and + or - 90 degree
Import & Export	
Import/Export	HPGL, EPS, DXF Files
Cut and Paste	To windows clipboard
Text	Text merge
Output	
Preview	See all output in detail, in advance
Toolpaths	Outline/inline and clearing
Output	Pre-defined or custom settings
Engrave Selected	Engrave only selected objects
Optimised	Cutting order is optimized to maximize productivity
Grouping	Group selected objects for selective output with different tools

Scott AutoGraver II Engraving Tools



Rotary Cutter (Conical & Parallel)

A rotary cutter is the most general-purpose tool. This tool usually has a single-flute (only one cutting edge), and is available in many widths. Use a conical cutter for engraving letters in plastics and soft metals. To cut all the way through plastic, e.g., for custom-shape legend plates, use a parallel engraving cutter. Lettering depth is controlled by adjusting the distance the tip protrudes from the nose-cone. Use the ventilated nose-cone with a strong vacuum to draw away plastic chips, thereby ensuring a consistent cutting depth.

Quarter-round Cutter

This cutter is designed specifically for shallow engraving (approx. 0.006") in stainless steel. Even the hardest carbide-tipped cutters are easily dulled by hard stainless steel. If you plan to letter in stainless, please purchase several cutters and use a fresh cutter the moment lettering quality degrades. Use the light-touch, spring-loaded tool holder and no nose-cone when engraving in stainless steel. Best results in stainless steel always require some testing. A light lubricant can often improve the edges of the lettering.

Diamond Scribe

The most common engraving tool used in the trophy and awards industry is the diamond scribe. Scribes are non-rotating, diamond-tipped tools used to scratch lettering into metal — usually brass or aluminum. Scribes are used without a depth controlling nose-cone. As downward spindle pressure is applied, the point penetrates the surface of the metal and scribes a fine line. Scribed single-line fonts are ideal for the finest lettering. Scribed multi-line fonts are your first choice for elegant monograms.

Burnisher

A burnisher is not actually a cutter. Instead of cutting into the material, it merely removes the surface coating to expose the underlying material. The tip comprises several facets, shaped like a chisel. This rotating tool is always driven by the light-touch spring-loaded tool holder; use no nose-cone. Although this tool has a long life, a dull tool will smear the surface. As with all tools, never hesitate to install a fresh tool the moment that quality degrades. A burnisher is most commonly used to produce decorative effects on trophy plates.