

# ***EGX-30A***

## ***DESKTOP ENGRAVER***

**Roland DGA Sales Guide v1.0**





## EGX-30A Overview

The EGX-30A is Roland's 3<sup>rd</sup> version of our proven low cost, easy to use desktop engraver. The previous models were the EGX-30 and CS-20. With the EGX-30A's ease of use, faster throughput and bundled Dr. Engrave software the EGX-30A is sure to be a great seller for Roland. The EGX-30A should target R-Wear, awards, gifts, trophy shops and new "In-House" applications. In house applications would include:

- ❖ Pet shops/retailers
- ❖ Pet funeral business
- ❖ Industrial safety signs/name plates

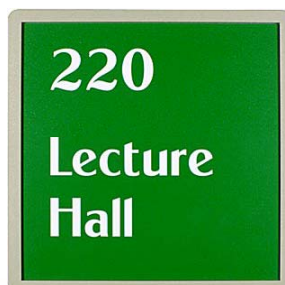
The EGX-30A is one of the lowest priced engravers on the market to date and sells extremely well in the US market. MSRP on the EGX-30A will be set at \$3,695.00



## Target Markets and Applications

The target market and applications for the EGX-30A are:

- ❖ R-Wear Template Creation using optional R-WearStudio software.
- ❖ In House industrial safety signs, directional/wayfinding signage, name badges, and plate engraving.
- ❖ Award, Gift and Trophy Shops for engraving flat stock items only.





## New Markets

New markets for the EGX-30A are:

- ❖ Pet and ID tags for veterinary offices and pet adoption facilities.
- ❖ Pet Funeral markets for engraving urn plates, grave markers, and casket plates.
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## Supported Materials

The following materials are supported with the EGX-30A for engraving/scribing:

- ❖ Engravers Plastic
- ❖ ABS
- ❖ Acrylic
- ❖ Brass (scribing)
- ❖ Aluminum (scribing)
- ❖ Stainless Steel (scribing)
- ❖ Pewter (scribing)



## User Benefits

For customers that are currently outsourcing their work, bringing the jobs in house with an EGX-30 has the following benefits:

- ❖ Reduced Costs
- ❖ Reduced Delivery Times
- ❖ Additional Market Opportunities

The following are beneficial product features:

- ❖ EGX-30A is an easy to use engraving machine.
- ❖ Manual adjustment knobs on the unit to fine tune spindle and feed speeds. No need to have detailed hardware knowledge.
- ❖ Tools are easy to install and set for engraving and/or scribing.



## Advanced Features

The following are differences between the EGX-30A and the EGX-30:

<b>EGX-30A</b>	<b>EGX-30</b>	<b>ADVANTAGE</b>
USB 1.1 and Serial	Parallel and Serial	Easier connectivity
Brushless DC spindle motor	DC spindle motor	No need to replace motor brushes
Flashable firmware	Physical EEPROM Chip	Easy to update machine when necessary
External auto sensing power	Internal transformer	No need for service for voltage change
New processor design	8-bit processor	30% faster throughput
Silver/Off White Color	Dark Gray Color	Updated modern design



# Specifications

Table	12 x 8 1/16 <sup>th</sup> in (305 x 205 mm)
Max. operation area	12 x 8 1/16 <sup>th</sup> in (305 x 205 mm)
Feed rate	1 15/16 <sup>th</sup> in/sec. (50mm/sec.)
Mechanical resolution	0.000394 in/step (0.01mm/step), 0.0000492 in/step (0.00125mm/step) using micro step control.
Software resolution	0.000394 in/step (0.01mm/step)
Distance accuracy	0.000394 in/step (+/-0.1mm) or +/-0.5% of moving distance, Whichever is greater.
Right-angle accuracy	+/-0.000394in (12 1/16" in), +/-1mm (305mm)
Spindle motor	Brushless DC motor, maximum 27W
Revolution speed	5,000 to 10,000 rpm
Engraving tool mounting diameter	1/8in. (3.175mm)
Acceptable engraving materials	Plastics (ABS, Acrylic) and Brass and Aluminum for Scribing
Speed of tool up / down movement	1 per sec.
Interface	USB 1.1 (compliant with Universal Serial Bus Specification Rev. 1.1), Serial (RS-232C compliant)
LED	Operation indicators 2 (PAUSE/VIEW, ORIGIN POINT/SET ORIGIN POINT), Mode Indicators 2 (ENGRAVER/SCORE)
Control panel keys	↑, ↓, ←, →, SET SURFACE/TEST, PAUSE/VIEW, ORIGIN POINT/SET ORIGIN POINT, SELECT
Power requirements	Dedicated AC Adapter: AC 100 to 240V +/- 10% 50/60 Hz Machine: DC 24V, 0.7A
Acoustic noise level	Operation Mode: 70 dB (A) or less, Standby mode: 40dB (A) or less (According to ISO 7779)
External dimensions	20-1/4 in. (W) x 19-3/8 in. (D) x 8-9/16 in. (H) 513 mm (W) x 491 mm (D) x 217 mm (H)
Weight	13.2 kg (29.1 lb.)
Packed dimensions	34 in. (W) x 24 in. (D) x 12 in. (H) 863.6 mm (W) x 609.6 mm (D) x 304.8 mm (H)
Packed weight	37.5 lb. (17.0 kg)
Operation temperature	41 to 104°F (5 to 40°C)
Operation humidity	35 to 80% (no condensation)
Accessories	AC Adapter, Power cord, USB Cable, Dust collector hose and duct, Character cutter, Engraving-tool holder, Diamond scribe adapter, Hexagonal screw driver, Spanner, Hexagonal wrench, Test material, Adhesive sheet for securing material, Roland Software package CD-ROM, User's manual

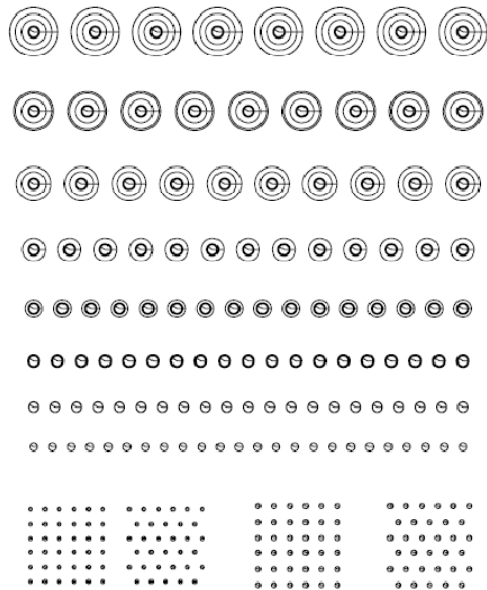




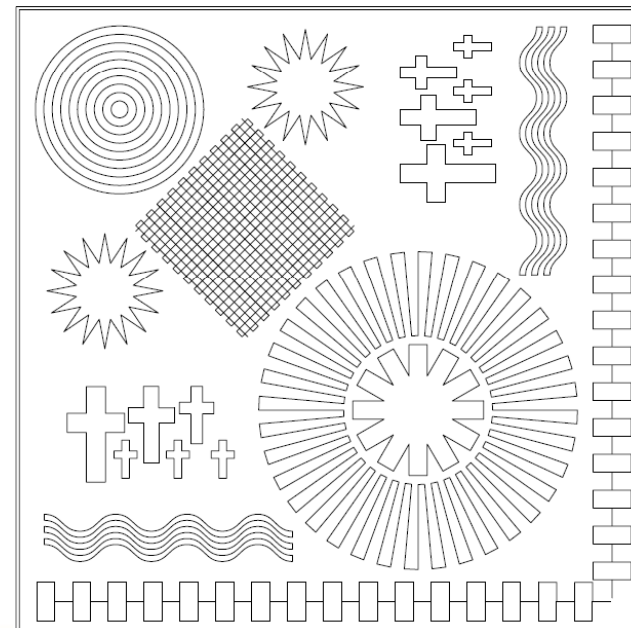
# Throughput

XY:50mm/s,Z:4mm/s	Data1 (R-WearStudio)	Data2 (Dr. Engrave)
<b>EGX-30</b>	25 Min 22 Sec	10Min 54 Sec
<b>EGX-30A</b>	18 Min 22Sec	7 Min 45 Sec

R-WearStudio



Dr. Engrave





## Intuitive User Interface

### ❖ Dial Knob

- Engraving Speed (1 ~ 50mm/s)
- Spindle Speed (5000 ~ 10,000rpm)



### ❖ Keys

- Direction Keys (4 directions)
- Set Surface/Pause/Origin Point
  - Long Push : Test/View/Set Origin
- Select
  - Long Push = Power On/Power Off
  - Short Push = Mode Select for Engraver / Score (scribing)



### ❖ LED

- Pause/Origin/Engraver/Score





## Bundled Software

- ❖ **RSP-061**
  - EGX-30A Original CD
  
- ❖ **Dr. Engrave**
  - TEXT & Bitmap Input
    - TrueType Font
    - Single Stroke Font Editor (SFEdit)
  - CSV file reader for namebadge function
  - Serialization
  - Island Fill
  
- ❖ **Windows Driver**
  - Windows 2000/XP/Vista (95/98/Me and NT4.0 no longer supported)





## The EGX-30A compatibility

The EGX-30A is compatible with the following applications:

- ❖ SAI FlexiEngrave v8.51 or later
- ❖ TriPoint 9.6
- ❖ CADLink EngraveLab 7.1 or later
- ❖ Applications using the EGX-30A Windows Driver
  - Dr. Engrave
  - CorelDraw
  - Illustrator
- ❖ R-WearStudio (Release late January 2009)
- ❖ Command list is located in the Users Manual



## Summary

Over the years, Roland has developed a unique family of products that have redefined the engraving market, from the MPX photo impact printers to our professional series high-speed benchtop EGX-400/600 Engravers. Many professionals have built entire businesses around their Roland engraving system. As Roland technology evolved, we've empowered thousands of professionals with new engraving capabilities to offer their clients products and services they never imagined. The Roland EGX-30A offers the best bang for the buck for the entry level or in-house engraver.