Desktop Rotary Engraver

DE-3

Roland continues to break new ground in rotary engraving with the DGSHAPE DE-3 that features laser-pointing technology, ethernet connectivity, automatic depth regulation and other intelligent enhancements.

For detailed features and specifications visit rolanddga.com/DE-3

OVER 30 YEARS OF ENGRAVING EXPERTISE

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Specifications

| Work Table Size | 12.0079 in x 9.05512 in (305 mm x 230 mm) |
| Maximum Work Area | X: 12 in (305 mm)  
Y: 9.1 in (230 mm)  
Z: 1.6 in (40 mm) |
| XYZ Axis Drive System | Stepper motor, 3-axis simultaneous control |
| Operating Speed | XY Axis: 0-1-60 mm/sec  
Z Axis: 0-1-30 mm/sec |
| Software resolution | 0.01 mm/step |
| Mechanical Resolution | XYZ Axis: 0.00125 mm/step |
| Spindle Motor | Brushless DC Motor |
| Spindle Speed | 5,000-20,000 rpm |
| Tool Loading | Cutter Holder, Collet Type |
| Maximum Material Thickness | 40 mm (38 mm when using the nose cone) |
| Connection | USB Ethernet (10 BASE-T/100 BASE-TX) |
| Machine Language | RML-1 |
| Power Supply | Voltage and Frequency: AC100V ± 10%, 50/60Hz  
Rated Current: 1.0 A |
| Power Consumption | 80 W |
| Operating Noise | While Operating: 60 dB (or less), Standby: 40 dB (or less) |
| Machine Weight | 75 lbs (35 kg) |
| Installation Environment | Indoor use, altitude: 2000 m or less  
Temperature 5 to 40˚C, humidity 35 to 80% (no dew condensation)  
Environment pollution degree: 2 |
| Bundled Accessories | Power cord, power adapter, USB cable, nose cone unit (resin/metal components), nose unit set screw (flexing screw, spring), spare set screw (for cutter holder), Solid collet (ø 3.175 mm), spanner wrench, hex wrench, hex driver, adhesive sheet, dust collector adapter, DGSHAPE Software Package CD, Setup Guide |

DGSHAPE by Roland

At the forefront of advanced machine manufacturing for 37-years, Roland continues to provide practical and reliable technology with unmatched service and support.

DGSHAPE by Roland further builds on this reliability promise by improving user experience with fast and effortless engraving machines, designed for those just starting out and for engraving experts looking for a more intuitive solution.
Automated features offer a simplified set-up and operation to quickly and precisely engrave delicate and tough materials.

**Fast Production**
Advanced surface detection enables quick and simple set-up, while a 20,000 rpm DC brushless motor engraves at top speed.

**User Replaceable Spindle**
Easily-applied nose cones avoid scratches to delicate materials and deliver consistently precise results.

**Laser Pointer**
Automatically define the origin point and view a path preview for accurate personalization and engraving every time.

**Ethernet Connection**
Machine operation can be managed remotely—offering LAN network connectivity for multiple machine engraving.

**Discover More Applications with DGSHAPE Engraving**
Customize brass, aluminum, copper, engraving plastic, wooden items and more, with the speed, precision and ease of the powerful, compact DE-3.

**Open Architecture and New Software**
The DE-3 works out-of-the-box with popular engraving software, industry standard tools, and materials. It also features Dr. Engrave Plus software that offers new user advantages.

**Handy Panel Control**
Without the need for computer setup, users can store job data and perform machine operations.

**Reliability and Support**
As the world leader in desktop rotary engraving devices, Roland DG offers users unmatched product performance and reliability, backed by industry-leading service and support. The DE-3 comes with a comprehensive One-Year Trouble-Free Warranty.

**Supports AI files and standard graphic/vector data.**

**Import Excel and CSV files for nametags, serial numbers, and other variable data projects.**

**Enables standard engraving as well as surface levelling and hole drilling.**