Desktop Engraver
DE-3

Featuring laser-pointing technology, ethernet connectivity, automatic depth regulation and other intelligent enhancements, the DE-3 is the smartest, most intuitive desktop rotary engraver on the market.

Specifications

Specification		Detail
Work Table Size		12.0079 in x 9.05512 in (305 mm x 230 mm)
Maximum Work Area (Work Envelope)		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：0.1~30mm/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 (Overvoltage category: Category II, IEC60664-1)
	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℃, 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 (fixing 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.

For more information call us at (847)676-3737 or visit our website at www.able-engravers.com

Able Engravers, Inc. | 9521 N. Kedvale Ave. Skokie, IL 60076 | Phone: (847)676-3737 | Fax: (847)676-3135 | Email us with any questions at sales@able-engravers.com

DGSHAPE

DE-3

Desktop Rotary Engraver

OVER 30 YEARS OF
ENGRAVING EXPERTISE

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.

by Roland

Precise. Productive. Profitable.

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.

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

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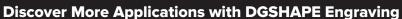Easily-applied nose cones avoid scratches to delicate materials and deliver consistently precise results.

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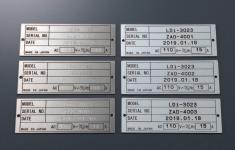Machine operation can be managed remotely— offering LAN network connectivity for multiple machine engraving.

LAN
USB

*Optional vice shown

Dr.Engrave Plus

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.

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

X 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.

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

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.

Emergency power supply control room

Information System Management Office

INFORMATION CENTER
Takashi James Fujimoto

MODEL
SERIAL NO.
DATE

MODEL LD1-3023
SERIAL NO. ZAD-4001
DATE 2019.01.18

MODEL
SERIAL NO.
DATE

MODEL LD1-3023
SERIAL NO. ZAD-4002
DATE 2019.01.18

MODEL
SERIAL NO.
DATE

MODEL LD1-3023
SERIAL NO. ZAD-4003
DATE 2019.01.18

SENIOR VICE PRESIDENT
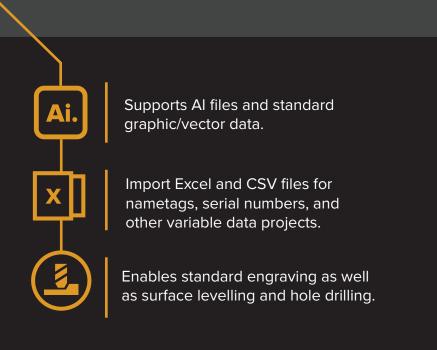JAMES SMITH

TROUBLE-FREE
1 YEAR
WARRANTY

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.