



## Desktop Engraver **DE-3**

Featuring laser-pointing technology, ethernet connectivity, automatic depth regulation and other intelligent enhancements, the DE3 is the smartest, most intuitive rotary engraver on the market.

### Specifications

<b>Work Table Size</b>	305 mm x 230 mm	
<b>Maximum Work Area (Work Envelope)</b>	X:	305 mm
	Y:	230 mm
	Z:	40 mm
<b>XYZ Axis Drive System</b>	Stepper motor, 3-axis simultaneous control	
<b>Operating Speed</b>	XY Axis : 0.1~60 mm/sec. Z Axis : 0.1~30mm/sec.	
<b>Software resolution</b>	0.01 mm/step	
<b>Mechanical Resolution</b>	XYZ Axis: 0.00125 mm/step	
<b>Spindle Motor</b>	Brushless DC Motor	
<b>Spindle Speed</b>	5,000~20,000 rpm	
<b>Tool Loading</b>	Cutter Holder, Collet Type	
<b>Maximum Material Thickness</b>	40 mm (38 mm when using the nose cone)	
<b>Connection</b>	USB	
	Ethernet (10 BASE-T/100 BASE-TX)	
<b>Machine Language</b>	RML-1	
<b>Power Supply</b>	<b>Voltage and Frequency</b>	AC100V to 240V ± 10%, 50/60Hz (Overvoltage category: Category II, IEC60664-1)
	<b>Rated Current</b>	1.0 A
<b>Power Consumption</b>	80 W	
<b>Operating Noise</b>	While Operating: 63 dB (or less), Standby: 40 dB (or less)	
<b>Machine Weight</b>	35 kg	
<b>Installation Environment</b>	Indoor use, altitude: 2000 m or less Temperature 5 to 40°C, humidity 35 to 80% (no dew condensation)	
	Environment pollution degree: 2	
<b>Bundled Accessories</b>	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

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

DGSHAPE, A Roland Company, 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 detailed features and specifications visit [avs.com.sg/product/roland-de-3/](https://avs.com.sg/product/roland-de-3/)



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# DE-3

DGSHAPE Engraver

## OVER 30 YEARS OF ENGRAVING EXPERTISE

DGSHAPE continues the legacy of Roland engraving with a new model that features laser-pointing technology, ethernet connectivity, automatic depth regulation, and other intelligent enhancements. The DE-3 is the smartest, most intuitive rotary engraver on the market.



\*shown with optional center vise

## Built to Make Engraving Easy

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 every time.



### User Replaceable Spindle

Easily-applied nose cones can be added to the spindle to precisely regulate engraving depth and avoid material scratching.



### 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 powerfully compact DE-3.



\*shown with optional center vise



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.



Supports AI files and standard graphic/vector data.



Import Excel and CSV databases for fast engraving of serial data jobs.



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



## Hand-Held Control

Without the need for a computer, users can store job data and perform machine operations.