



## Laser Technology For Wedding Cards Manufacturer

### HIGH SPEED LASER ENGRAVING & CUTTING MACHINE

**Erica 30**  
Metal Laser Tube



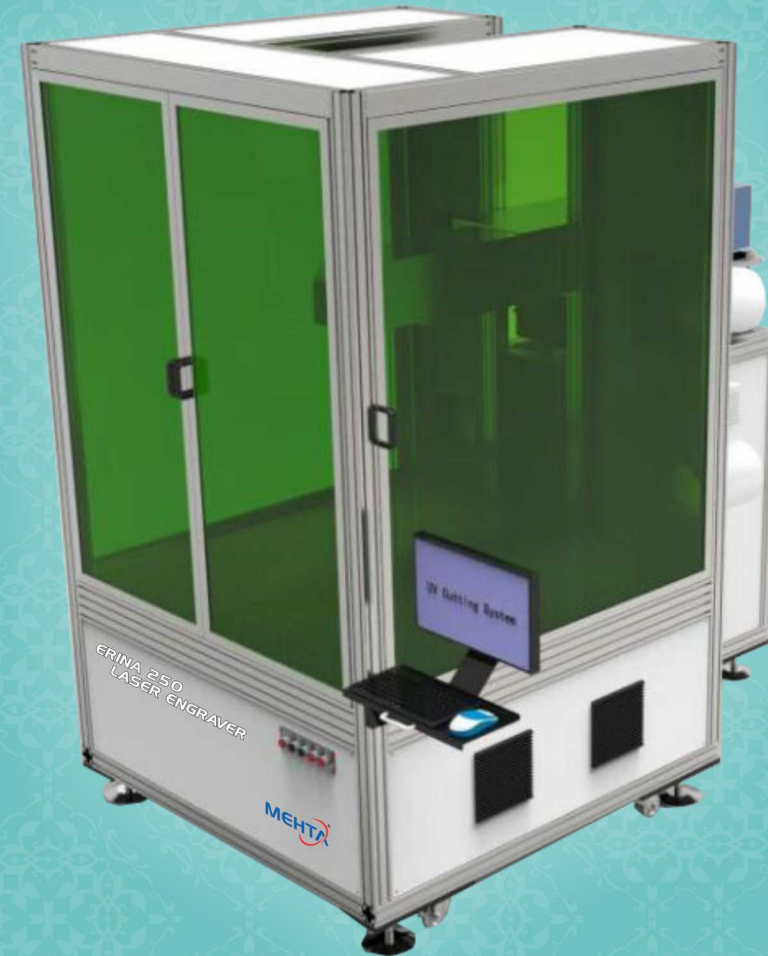
**Eva 43, 32, 21,**  
Glass Laser Tube



**RJ 455V**  
Flatbed UV Printer



# ERINA



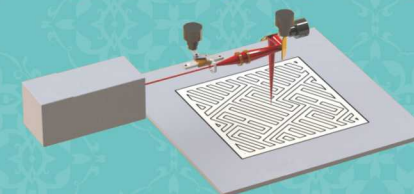
**Power : 80W / 100W / 250W / 400W**

**Marking Area : 400 mm x 400 mm to 1200 mm x 1200 mm**

#### Special Characteristics

- Based on laser tube beam design, this system direct accept the beam of laser tube, without the beam expander, highly improves the optical light transmittance.
- With high speed digital galvo, combined with dynamic shaft drive, can realize the large area work size marking and 3d surface marking.
- Optimization of optical design and optical lens combination, reduces optical loss and component costs, as well as improves laser use efficiency.
- The software adopts the newton interpolation algorithm and dynamic tracking light compensation point by point, make the marking lines with high precision and no deformation; power uniform pattern has no distortion.

#### 3D Dynamic Engraving Principle



Principle of dynamic focusing system is to dynamically control the laser beam divergence angle by a group of optical beam expander lens, so as to make the focusing laser spot on the different position of marking area or curved surface coordinate uniform. Usually in the design, optical lens group consists of 3 pieces of focusing lens. Back focus lens is consist of two pcs of aspherical lenses, which can eliminate spherical aberration, and can obtain better beam quality; the front negative focusing lens is controlled by software, driven by the high speed rod motor, do the reciprocating motion, compensating the corresponding laser spots on the marking platform point by point.



## SPECIFICATIONS

MODEL	ERINA 400	ERINA 250	ERINA 100	ERINA 80-2D
Laser Power	400W	250W	100W	80W
Laser Energy Regulator	RF CO <sub>2</sub> Metal Laser Generator (U.S.A.)			
Working Area (mm)	From 300mm x 300mm to 1200mm x 1200mm		From 300mm x 300mm to 600mm x 600mm	Up to 400mm x 400mm
Scan Head Type	3D Dynamic Galvo System			2D Galvo System
Cooling Method	Water Cooled		Air Cooled	
Graphic Format Supported	PLT, DXF, DST, BMP, JPG, JPEG, PNG, TIF			
Power Supply	AC 220V ± 5% / 50 Hz / 60 Hz			
Working Environment	15° C - 30° C, Humidity : 30 - 80%			
Over All Dimensions(LxWxH)	2246 L x 1472 W x 2433 H		1916 L x 917 W x 1817 H	

Specifications are liable to change without prior notice.

## MAJOR APPLICATIONS OF ENGRAVING & CUTTING



## Mehta's Other Range of Laser Machines



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Metal Laser Tube



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Flatbed UV Printer



Manufactured & Marketed by:  
**MEHTA CAD CAM SYSTEMS PVT. LTD.**

**Head Office:** 4 & 5, 2nd Floor, Sumel Complex,  
Opp. GNFC Info Tower, Sarkhej Gandhinagar Road,  
Ahmedabad-380 059. INDIA.

**Contact:**  
**Tel.:** +91-79-26840551 / 26840552 / 26840553  
**Fax:** +91-79-26840554



For Immediate Assistance, Contact on **092279 85731, 092276 78044** [mktg@mehtaindia.com](mailto:mktg@mehtaindia.com) [www.mehtaindia.com](http://www.mehtaindia.com)

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