

The Infitek Laser 1410 CO₂ Laser Cutting & Engraving Machine is a powerful and versatile laser solution designed for high-precision cutting and engraving applications. Featuring a spacious 1400mm × 1000mm working area, this machine is ideal for businesses that require larger production capacity while maintaining exceptional accuracy and efficiency.

Engineered with Infotech Laser's commitment to quality and performance, the 1410 model delivers smooth cutting edges, detailed engraving results, and reliable operation for a wide range of materials. Its robust machine structure, advanced motion system, and user-friendly control interface ensure stable performance even during continuous production.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

D-410, FOURTH FLOOR, SP, SQUARE, NR RAMOL POLICE STATION, AHMEDABAD - 382449.

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| SPECIFICATION | MODEL |
|--------------------------|---|
| | INFITEK_1410 |
| CUTING AREA (X - Y) | 1400mm X 1000mm |
| LASER POWER | 80W/100W/130W/150W |
| LASER SOURCE | SEALED GLASS CO2 LASER TUBE |
| TRAVELING PEED | 600 mm/s |
| REPOSITION ACCURACY | 0.02 mm |
| X - Y MOVEMENT MECHANISM | BELT TRASMISSION |
| OPREATING SYSTEM | WINDOW 7/8/10 (32/64 BIT) |
| Z-AXIS MOVEMENT | UPTO 180 mm (AUTOMATIC) (OPTIONAL) |
| MINIMUM LATTER SIZE | 1.0 mm (ENGLISH LETTER) |
| POWER ADJUSTMENT | 1 TO 100 % |
| COMPUTER INTERFACE | USB/UDISK/ETHERNET |
| COMPATIBLE SOFTWARE | AUTOCAD / CORELDRAW / PHOTOSHOP / TAJIMA |
| SUPPORTED FILE FORMAT | DXF/PLT/BMP/DWG/AI/JPG/GIF/HPGL |
| SUPPORTED MATERIAL | ACRYLIC, MDF, LEATHER, STONE |
| WORKING VOLTAGE | SINGLE PHASE 220-230V/ 50Hz-60Hz |
| OPERATING ENVIRONMENT | 45 C, HUMIDITY 5% - 80% |
| MEMORY BUFFER | 128 MB |
| FUME EXTRACCTION SYSTEM | CONNECTION OUTOUT 6" DIAMETER INCLUDING EXTERNAL EXHAUST STSTEM WITH MINIMUM FLOW RATE 1200m3/h (CFM 706 Ft./h) |
| POWER CONSUMPTION | 2KW |

❖ ACCESSORIES



KEY COMPONENTS & BENEFITS

| | | | | | | | |
|---|--|---|---|--|---|--|--|
| <p>LASER TUBE</p> <p>High-performance CO2 laser tube provides strong and stable laser output with long service life.</p>  | <p>LASER POWER SUPPLY</p> <p>Stable and reliable power output ensures consistent performance and longer machine lifespan.</p>  | <p>WATER COOLING SYSTEM</p> <p>Industrial water cooling system effectively reduces tube temperature for continuous stable operation.</p>  | <p>MIRROR & LENS</p> <p>High-quality mirrors with high reflectivity and premium focusing lens for precise beam quality and accuracy.</p>  | <p>STEPPER MOTORS</p> <p>Branded motors ensure smooth movement, high precision and longer operational reliability.</p>  | <p>CONTROLLER SYSTEM</p> <p>Advanced Ruida controller system with DSP technology for user-friendly operation and high compatibility.</p>  | <p>ELECTRICAL COMPONENTS</p> <p>High-quality electrical parts and neat wiring for safe, stable and durable machine performance.</p>  | <p>EXHAUST & AIR ASSIST</p> <p>Efficient exhaust fan and air assist system remove smoke and debris for cleaner cuts and better results.</p>  |
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MATERIAL SAMPLE - MDF & ACRYLIC

MDF SAMPLE



ACRYLIC SAMPLE



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