

3X
FASTER

3X
RIGID

GEOMETRY[®]

CNC TECHNOFINE

High Speed CNC Engraving Machines & Micro Milling Machines

NO.1* COMPACT DESIGN
FINEST PRECISION
SUPER FINISHING
FASTEST MACHINING





| SPECIFICATIONS | GDE HP 300L | GDE HP 400L |
|----------------------------|------------------------------|------------------------------|
| Table Size – Clamping Area | 350 x 350 | 500 x 400 |
| Working Area X – Y – Z | 300 x 300 x 150 | 400 x 400 x 150 |
| T Slot Size | 14 MM | 14 MM |
| T Slot Centre Distance | 75 mm | 80 mm |
| Rapid Feed | 15000 mm/min | 15000 mm/min |
| Cutting Feed | 10000 mm/min | 10000 mm/min |
| Spindle Power | 2.2 Kw | 2.2 Kw |
| Spindle RPM | 24000 | 24000 |
| Spindle Type | Water Cooled | Water Cooled |
| Tool Clamping System | ER – 20 | ER – 20 |
| Max Tool Diameter | 12 | 12 |
| Positioning Accuracy | 8 Micron | 8 Micron |
| Position Repeatability | 5 Micron | 5 Micron |
| Axis Guide System | 20 MM Precision LM Guideways | 20 MM Precision LM Guideways |
| Axis Drive System | 25 mm Ground Ballscrew | 25 mm Ground Ballscrew |
| Axis Motors | Absolute Servo Motor | Absolute Servo Motor |
| CNC System | Delta / LNC CNC Controller | Delta CNC Controller |
| Spindle Drive | Sensorless Vector Control | Sensorless Vector Control |
| USB Connection | Yes | Yes |
| LAN Connection | Yes | Yes |
| Job Size Measurement | Yes | Yes |
| Break Point Restart | Yes | Yes |
| Power Cut Restart | Yes | Yes |
| Feed Override | Yes | Yes |
| Synchronous Interpolation | Yes | Yes |
| Full Closed Loop System | Yes | Yes |
| MPG Handwheel | Yes | Yes |
| Work Co-Ordinate | G54 to G59 | G54 to G59 |
| Square Zero Offset | Yes | Yes |
| Round Zero Offset | Yes | Yes |
| Maximum Job Weight | 150 Kg | 150 Kg |
| Machine Weight | 850 Kg | 950 Kg |
| Machine Dimensions | 650 x 800 x 1850 | 770 x 920 x 1850 |
| Operating Temperature | 20 – 35 Degree Celsius | 20 – 35 Degree Celsius |

*Specifications May Change Without Any Prior Notice



- ✓ The Most Rigid, Versatile, Rugged Machine
- ✓ 3x Increased Tool Life For Micro Machining
- ✓ MQL Drop Oil Technology For Jewelry Dies
- ✓ The Most Balanced & Fastest Machine Dynamics
- ✓ SuperFast Dedicated Industrial CNC System
- ✓ Absolute Servo Drive Technology In Engraving



WHO WE ARE

We Introduce **Geometry CNC Technofine** as a leading in engineering & Machine Tools Manufacturing industry with strong foundation in manufacturing with **High Speed Milling & CNC Engraving Technology**. **Geometry CNC** has technically strong management team having rich and diverse experience in **Milling Technology and CNC Systems**. We are having a very qualified, efficient and very experienced personals in wide and varied vistas of engineering since 1946. Therefore we have started an Engineering unit in 2010 to combine Milling Technology with CNC Systems to Produce **High Speed CNC Milling Machine** and **High Speed CNC Engraving Machine** for higher **Productivity** with better **Accuracy, Repeatability, Easy Operating, Stable Cutting Condition, Optimize Tool Performance** and **Time Saving**.

WE SERVE IN INDUSTRIES

- ✓ Automobile
- ✓ Forging Dies
- ✓ Defense Precision Parts
- ✓ Railway Precision Parts
- ✓ Plastic Dies & Molds
- ✓ Mobile Handset Dies
- ✓ Aerospace Precision Parts
- ✓ Sheet Metal Dies
- ✓ Stamping Dies
- ✓ Lock Making & Keys
- ✓ Toys Making Dies
- ✓ Pattern Making
- ✓ Ceramic Tiles Dies
- ✓ Footwear Shoe Molds
- ✓ Pumps & Valve
- ✓ Jewelry & Coining Dies
- ✓ FMCG / Soap Molds
- ✓ Printing & Packaging Dies
- ✓ Biscuit Molds
- ✓ Pharmaceutical Tablet Punches
- ✓ Rubber Molds
- ✓ Textile Parts
- ✓ Name Plates & Wood Working
- ✓ Leather Die Punches
- ✓ Religious Yantras
- ✓ Eye Wear Plastic Frame
- ✓ Electronic & Electrical Parts & Dies
- ✓ Copper & Graphite Electrodes Making
- ✓ Chocolate & Confectionery Molds
- ✓ Machine Tools & Tool Rooms
- ✓ Hardware Brass & Aluminium Handles & Hinges

GEOMETRY CNC TECHNOFINE

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