

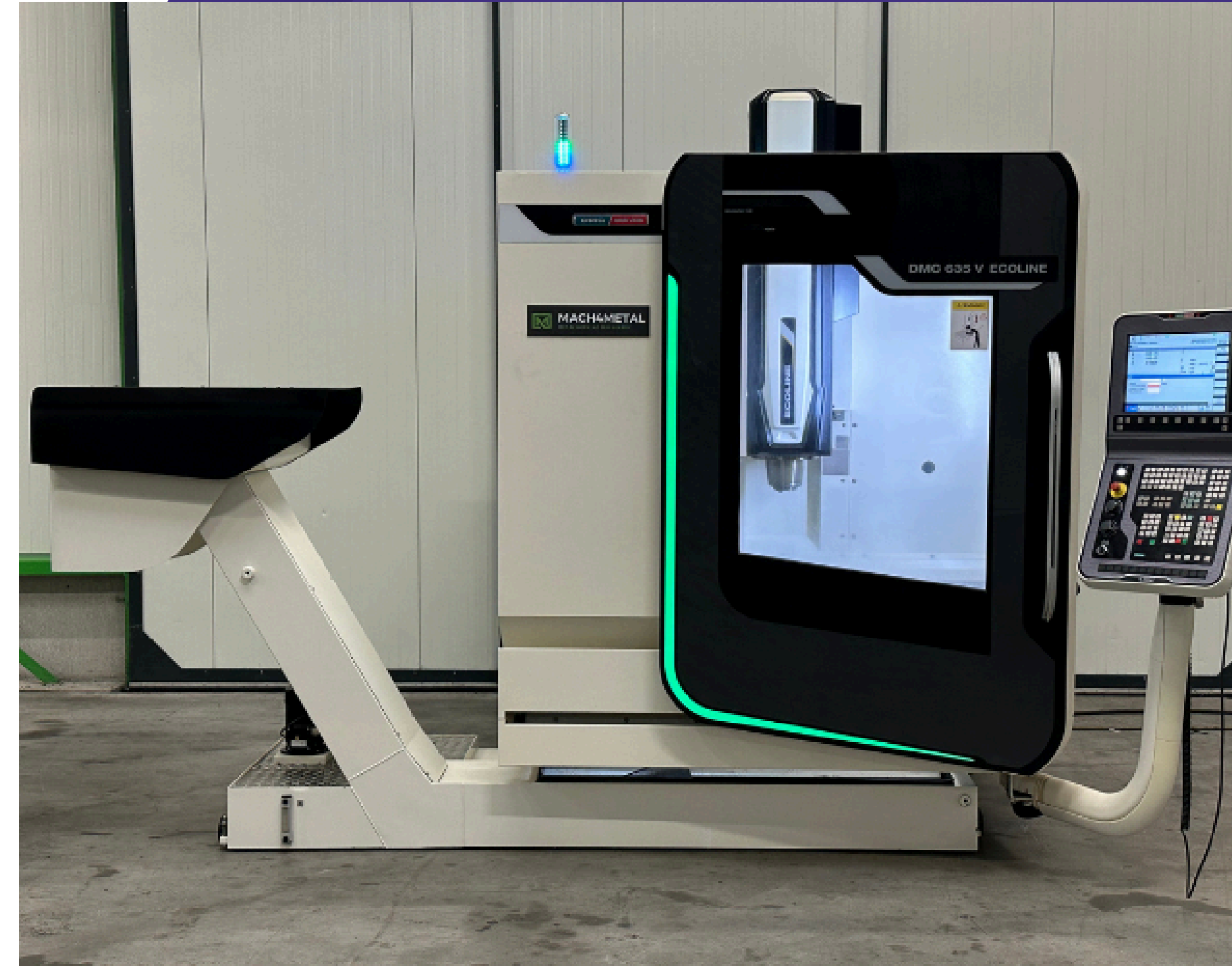


ORBITOL – ULTRA HIGH- PRECISION MOLDS & DIES

±5 MICRONS ACCURACY
ON OUR **DMG MORI** 3 AXIS
& TRUELY 5 AXIS

www.orbitol.in

Part of the Sidhvandan Group



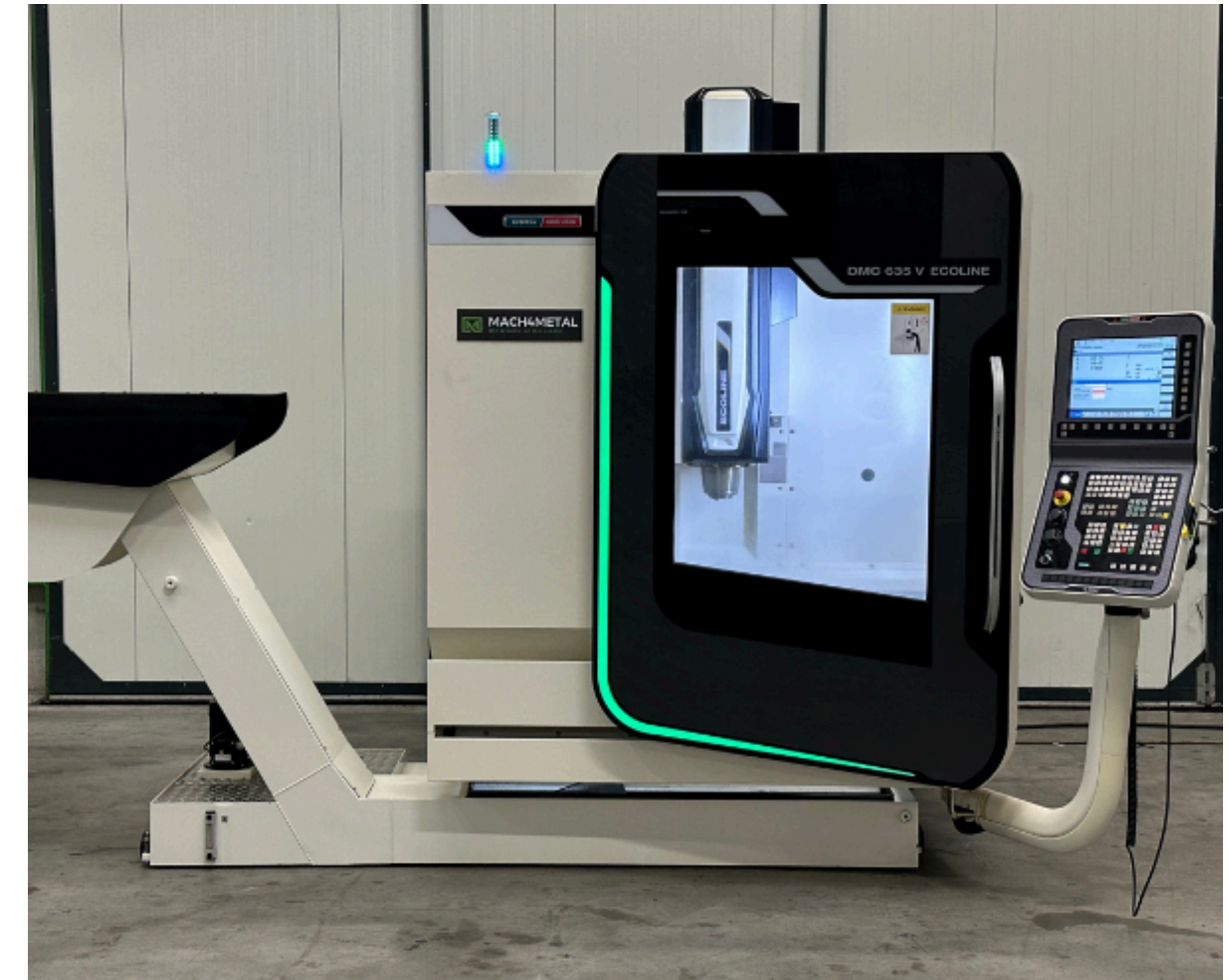
About Orbitol Intelligence Pvt. Ltd.

- Part of the Sidhvandan Group, delivering trusted industrial solutions.
- Specializes in high-precision machining for mold and tooling industries.
- Operates cutting-edge DMG MORI machines for superior performance.
- Achieves ± 5 micron accuracy for consistent, high-quality results.
- Maintains advanced temperature control to ensure thermal stability and machining precision.
- Focused on innovation, automation, and process reliability.
- Supports complex molds, dies, and precision tooling components for diverse industries.



OUR FACILITIES

▶ 5-Axis VMC | DMG MORI DMU 50



▶ 3-Axis VMC | DMG MORI 635 V ECO LINE

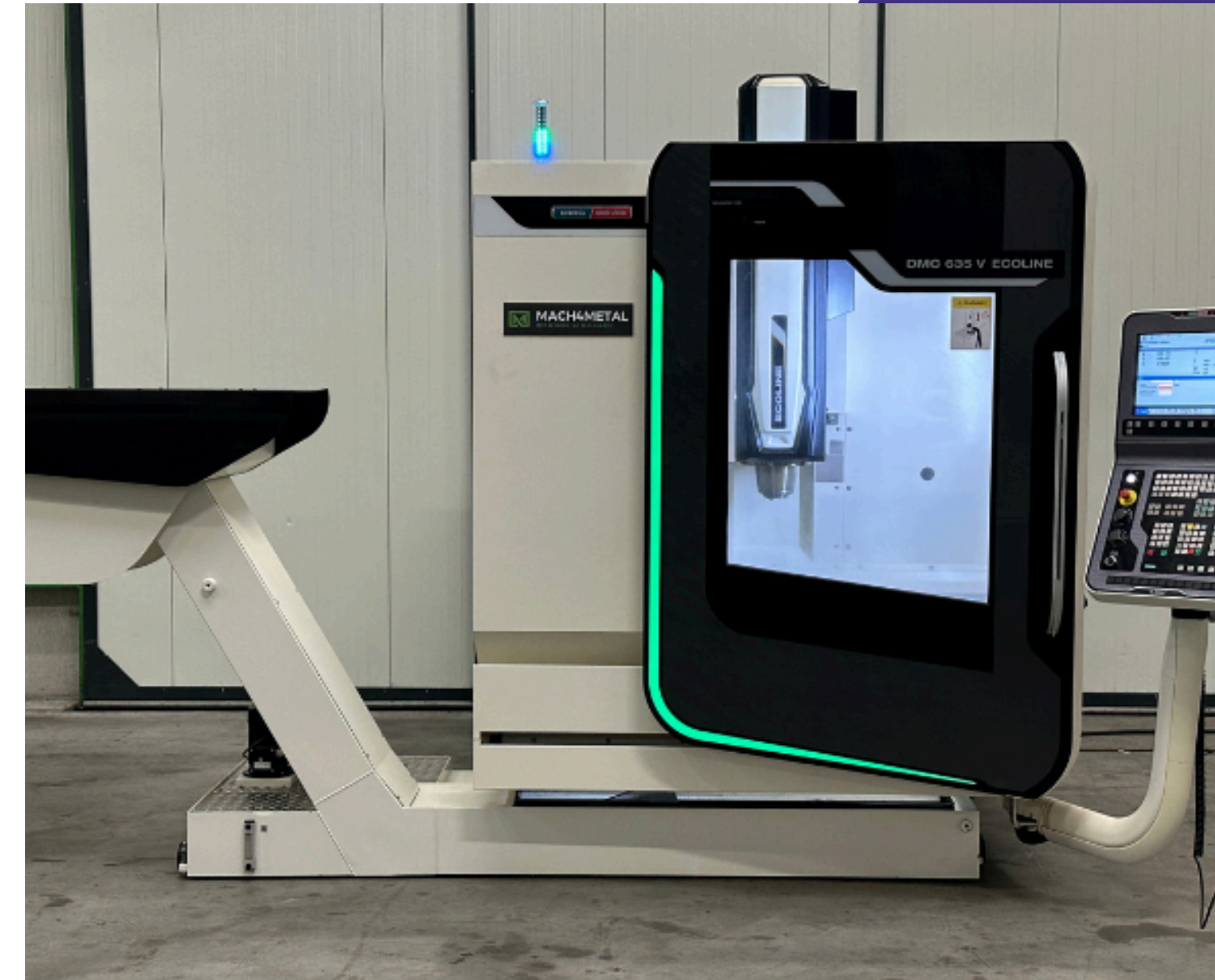
DMG MORI DMU 50 (5-Axis VMC)

- X/Y/Z Travel: 500/450/400mm | Swivel Range (B): (-15)(110)
- CLAMP AREA: 700MM * 500MM
- RPM : 20,000 rpm | Rapid Traverse: 42 m/min
- Tool Magazine: 20 tools
- Cooling System: Full thermal stabilization | Control: CELOS / ERGOline
- Key Strengths:
 - One-setup machining for complex geometries
 - High dynamic performance and long-term accuracy



DMG MORI DMC 635 V ECOLINE (3-Axis VMC)

- X/Y/Z Travel: 635/510/460 mm
 - Table Size: 790 × 560 mm | Load Capacity: 600 kg
 - RPM :12000 rpm | Power: 13 kW | Taper: BT-40
 - Tool Magazine: 20 tools | Rapid Traverse: 30,000 mm/min
 - Control: Siemens 840D
-
- Key Strengths:
 - Excellent rigidity and thermal stability
 - Suitable for molds, dies, and precision tooling components



Performance & Applications

- Precision: ± 5 microns with advanced automation
- Surface finish excellence for footwear molds and tooling
- High-speed machining with minimal rework
- Suitable for footwear, automotive, and die-mold sectors

Applications:

- Footwear mold components
- Injection mold cavities and cores
- High-precision dies and inserts



INDUSTRIES WE SERVE

- ▶ **Footwear Industry**
- ▶ **Medical Devices**
- ▶ **Automotive**
- ▶ **Aerospace**
- ▶ **Defense**





WHY ORBITOL

- ▶ **±5 Micron Accuracy**
- ▶ **24/7 Lights-Out Machining**
- ▶ **One-setup Complex Parts**
- ▶ **Proven Reliability**

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