**Machine name**: ACE micromatic Machine

**Machine Application:** A CNC Turn Mill Component refers to a part or component that is manufactured using a CNC (Computer Numerical Control) machine capable of both turning and milling operations. These machines are known as CNC turn-mill centers or CNC multitasking machines. They integrate the capabilities of both a CNC lathe (for turning operations) and a CNC milling machine (for milling operations) into a single machine tool.

**Machine features**: The CNC turn-mill process offers the advantage of producing complex and intricate parts with high precision and accuracy. It eliminates the need for multiple setups on different machines, reducing production time and increasing efficiency. This makes it ideal for manufacturing components that require both turning and milling features.

Design and Programming: The component's design is created using computer-aided design (CAD) software. Subsequently, CNC programmers generate the G-code, a programming language that instructs the CNC machine on how to move the cutting tools to shape the component accurately.

Tool Changes: CNC turn-mill Centers have automatic tool changers that swap out cutting tools as needed, allowing for a seamless transition between turning and milling operations without manual intervention.