GF AgieCharmilles’ EDM milestones: 1993-2011

- **1993**: Artificial intelligence in EDM (fuzzy logic, neural networks)
- **1994**: Anti-short-circuit system to optimize die-sinking efficiency
- **1995**: 300 mm²/min WEDM cutting speed
- **1997**: Hyperspark technology for die-sinking machines
- **1998**: Zero wear on graphite electrodes
- **2000**: Very low wear on copper electrodes
- **2003**: Cut and Coat technology to perform surface treatment using wire and die-sinking EDM machines
- **2003**: 500 mm²/min WEDM cutting speed
- **2004**: A new orbiting strategy for enabling die-sinking machines to produce a record surface quality of 26 nanometers
- **2008**: OilTech technology using water as dielectric for perfect surface finish
- **2010**: Integrated Vision Unit (IVU): in-process optical measurement for high-precision WEDM cutting
- **2011**: High-precision drilling with special pulses
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