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BLIZZARD



W120117

Developed by ToolDesign

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BLIZZARD

Process Control in Difficult Steel Workpieces



BLIZZARD

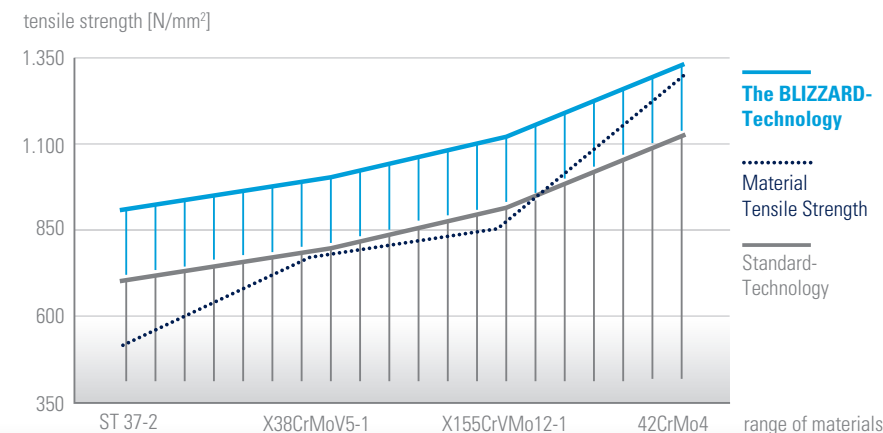
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Ensuring high-end threading in difficult steel alloys - the application area of BLIZZARD

1. THE CHALLENGE

Steel workpiece materials with a broad range of alloys bring certain challenges: especially in serial production, process control is key. We started the development project BLIZZARD to provide machining experts with an optimum threading solution.

„BLIZZARD“ performance spectrum – the steel-allrounder with process controll zone



2. THE DEVELOPMENT PROJECT

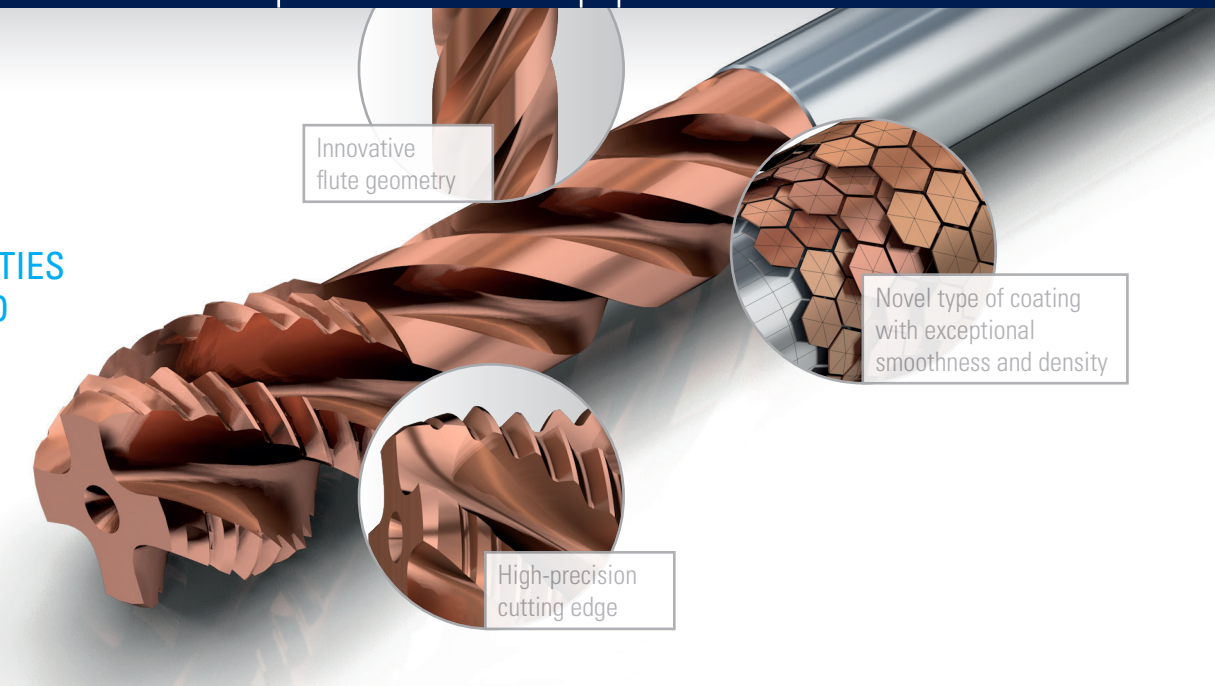
We decided to start a two-year research & development project together with our partners from the sectors substrate, heat treatment and surface technology with the objective to develop a new tool concept for the reliable processing of different steel alloys in serial production. Key parameters included:

- 1 HSS-E/PM substrate for high wear resistance
- 2 Simulation-based flute geometry
- 3 High-precision rounding off process for cutting edge
- 4 Innovative coating technology

Example workpiece materials with high process control through BLIZZARD:

- General Construction Steel 1.0037 (St37-2)
- Heat Treatable Steel 1.7225 (42CrMo4)
- Tool Steel 1.2343 (X38CrMoV5-1)

3. THE PROPERTIES OF BLIZZARD



The advantages of BLIZZARD:

- Broad range of application
- High process control
- Improved chip formation and optimized chip evacuation
- Reduced adhesion of work piece material
- Particular suitability for serial production

Service + Support:

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1.0037
(St 37-2)

1.2379
(X155CrVMo12-1)

1.2343
(X38CrMoV5-1)

1.7225
(42CrMo4)

Item Code: 33010/63 (DIN371)

Item Code: 43010/63 (DIN376)