The combination of a thermochemical process followed by deposition of an eifeler PVD coating is what we call “Duplex treatment”.

**PRODUCT FEATURES**

- A higher supportive effect for the hard coating, e.g. 1.2379 with 900 – 1200 HV under the hard coating. High-gloss polished finishes are preserved.
- The ability to withstand pressure loads is significantly increased. This is particularly an advantage when working high-strength sheet metals, for example.
- Due to a coating temperature of under 500 °C, the tools retain their high dimensional accuracy.

**APPLICATIONS**

**Forming**

Tools are an application emphasis for which this procedure is now selected regularly and successfully for the forming of high-strength sheet metal materials. Duplex VARIANTIC and DUMATIC are typical examples.

**DUPLEx – COMBINATIONS**

- Duplex VARIANTIC
- Duplex CrCN
- Duplex TOPMATIC
- Duplex CROSAL®
- DUMATIC