

HOT METAL SHEET FORMING OR STAMPING TOOLS WITH CR-SI-N COATINGS**Abstract**

- 5 The present invention discloses a CrSiN coated hot forming tool having enhanced wear resistance, oxidation resistance and adhesion wear resistance and thereby exhibiting a longer lifetime and better performance. The CrSiN coating is especially good to improve performance by hot metal sheet forming processes where the workpiece is an AlSi-coated metal sheet and/or a metal sheet with strength of 1,500 MPa or more.

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(no suitable figure)