



Advanced Manufacturing Technology Development

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**DIE INSERT MATERIAL
AND
HEAT TREATMENT PERFORMANCE REQUIREMENTS
GENERAL APPLICATIONS**

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- GENERAL APPLICATIONS -**

D.1.1.) Provisional Sources Are:

Die Steel Materials & Suppliers:

1. Kind TQ1 material, Kind & Co.
2. Kind RPU material, Kind & Co.
3. W302 ISOBLOC, Bohler
4. W403 VMR, Bohler
5. Thyrotherm E38K, Thyssen
6. Thyrotherm 2367, Thyssen
7. Microfine KDA-1A, Nippon Koshuha Steel Co., Ltd.
8. DSS#13, Dunn Specialty Steel, Inc.
9. DC-Xtra, A. Finkl & Sons Co.
10. ADC-3, Aubert & Duval
11. SMV-4, Aubert & Duval

Heat Treatment Service Suppliers:

1. Bohler Uddeholm Thermo Tech, Mississauga, Ontario
2. Kind & Co., Wiehl, Germany.
3. Dynamic Metal Treating, Canton Township, MI
4. Thyssen Marathon Heat Treatment, Old Castle (Windsor), Ontario
5. Hansen-Balk Steel Treating Co., Grand Rapids, MI
6. Therm-Tech of Waukesha Inc., Waukesha, WI
7. Bodycote Thermal Processing-St. Louis, St. Louis, MO
8. Thyssen Heat Treatment, Carol Stream, IL
9. TAG s.r.l., Dolzago (Lecco) Italy
10. Oppy Heat Treatment, Abottsford, Victoria, Australia
11. Bodycote Varnebehandling, Herlev, Denmark

Metallurgical Testing Laboratories:

1. AMAT-Materials Engineering Pty, Ltd., Melbourne, Australia
2. Bodycote-Nederlands, Emmen, NL
3. Thyssen Marathon, Windsor, ON (Thyssen Steels & Marathon H.T. only).