

**Abrasive wear and mechanical properties of carbide composites**

**Kübarsepp, Jakob; Klaasen, Heinrich; Roosaar, Tõnu; Annuka, Harri** 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 56-57 : ill

**Abrasive wear performance of carbide based composites**

**Kübarsepp, Jakob; Klaasen, Heinrich; Roosaar, Tõnu; Viljus, Mart; Traksmäa, Rainer** Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 221-226

**Abrasive wear performance of carbide composites**

**Klaasen, Heinrich; Kübarsepp, Jakob** Wear 2006 / p. 520-526 : ill <https://doi.org/10.1016/j.wear.2005.12.004>

**Adhesion wear performance of carbide-base composites**

**Roosaar, Tõnu; Kübarsepp, Jakob; Klaasen, Heinrich; Viljus, Mart** Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / [10] p

**Adhesive wear behaviour of carbide composites and tool steels**

**Annuka, Harri; Klaasen, Heinrich; Kübarsepp, Jakob; Sui, Vahur** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 175-176 : ill

**Adhesive wear behaviour of hardalloys**

**Klaasen, Heinrich; Kübarsepp, Jakob; Annuka, Harri** Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23-24, Riga, Latvia 2004 / p. 114-115 : ill

**Adhesive wear performance of hardmetals and cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Roosaar, Tõnu; Viljus, Mart; Traksmäa, Rainer** Wear 2010 / 9/10, p. 1122-1128 : ill

**Behaviour of carbide composites in different operation conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Viljus, Mart; Traksmäa, Rainer; Sergejev, Fjodor** Powder metallurgy progress 2011 / p. 258-264 : ill

**Behaviour of hard alloys in sliding and erosion wear conditions**

**Kübarsepp, Jakob; Vainola, Vello; Klaasen, Heinrich; Loel, Rein** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 203-206 : ill

**Behaviour of TiC-base cermets in different wear conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri** Wear 2001 / p. 229-234 : ill

**Blanking performance and fatigue endurance of carbide composites**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina; Sergejev, Fjodor; Traksmäa, Rainer** Proceedings of 10th International Conference and Exhibition of the European Ceramic Society : June 17-21, 2007, Berlin 2007 / [4] p

**Boron carbide based composites microstructure and properties relationships to processing features**

**Kommel, Lembit; Kübarsepp, Jakob; Klaasen, Heinrich** European Powder Metallurgy Conference on Meeting the Challenges of a Changing Market Place : EURO PM2003 : Valencia, Spain, October 20-22, 2003 : conference proceedings. Volume 2 2003 / p. 87-92

**Brazing and diffusion welding of tungsten free hardmetals [Electronic resource]**

**Surženkov, Gennadi; Laansoo, Andres; Kübarsepp, Jakob; Klaasen, Heinrich** Proceedings of International Conference on Welding - Quality - Competitiveness 2002 / [CD-ROM]

**Cemented carbides surface fatigue prediction using Murakami approach**

**Sergejev, Fjodor; Preis, Irina; Kübarsepp, Jakob; Klaasen, Heinrich** Proceedings of EURO PM 2006 Congress & Exhibition : Ghent, Belgium, 23-26 Oct. 2006. 1 2006 / p. 61-66

**Compound carbide composites produced by diffusion bonding**

**Kübarsepp, Jakob; Klaasen, Heinrich; Laansoo, Andres** EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 158-163 : ill

**Diffusion bonding hardmetals with steels**

**Laansoo, Andres; Klaasen, Heinrich; Kübarsepp, Jakob; Surženkov, Gennadi** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 58-61

**Diffusion bonding of steels with ceramic and metal composites**

**Kübarsepp, Jakob; Laansoo, Andres; Klaasen, Heinrich** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 171-174

### **Diffusion welding and brazing of tungsten free hardmetals**

**Laansoo, Andres; Kübarsepp, Jakob; Klaasen, Heinrich** Proceedings of 7th International Conference "Brazing, High Temperature Brazing and Diffusion Welding" : June 15-17, 2004, Aachen, Germany 2004 / p. 27-30

### **Diffusion bonding of hardmetals**

**Laansoo, Andres; Klaasen, Heinrich; Kübarsepp, Jakob; Surženkov, Gennadi** Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23-24, Riga, Latvia 2004 / p. 16-20 : ill

### **Dual compounds "cemented carbide+steel" produced by diffusion bonding**

**Klaasen, Heinrich; Kübarsepp, Jakob; Laansoo, Andres; Viljus, Mart** European Powder Metallurgy Conference on Meeting the Challenges of a Changing Market Place : EURO PM2003 : Valencia, Spain, October 20-22, 2003 : conference proceedings. Volume 1 2003 / p. 155-159 : ill

### **Durability characteristics of compression-sintered hardmetals**

**Klaasen, Heinrich; Kübarsepp, Jakob** EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 153-157 : ill

### **Durability in application of TiC-base cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** PM2004 : Powder Metallurgy World Congress & Exhibition : 17-21st October 2004, Vienna, Austria : Euro PM2004 : conference proceedings. Volume 3 2004 / p. 617-622 : ill

### **Durability of advanced TiC base cermets**

**Klaasen, Heinrich; Preis, Irina; Kübarsepp, Jakob** Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 21

### **Durability of advanced TiC-base cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 4, p. 272-280 : ill

### **Effect of microstructure and residual stresses on the wear resistance and durability of steel bonded TiC cermets**

**Sergejev, Fjodor; Klaasen, Heinrich; Kübarsepp, Jakob; Traksmäa, Rainer** Abstracts of International Conference on Fatigue Damage of Structural Materials - ICFDSM VIII, 18-24 September 2010 2010 / [1] p

### **Effect of residual stresses on the surface fatigue of TiC-based carbide composites**

**Sergejev, Fjodor; Klaasen, Heinrich; Kübarsepp, Jakob** Proceedings engineering 2011 / p. 3152-3161 : ill

### **Erosive wear of TiC-base cermets**

**Kübarsepp, Jakob; Klaasen, Heinrich; Mikli, Valdek; Viljus, Mart** Medžiagotyra = Materials science 2002 / 4, p. 486-488 : ill

### **Erosive wear of TiC-base cermets**

**Kübarsepp, Jakob; Klaasen, Heinrich; Mikli, Valdek; Viljus, Mart** Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 41

### **Evaluation of hardmetals and cermets durability in plastic forming of metals**

**Kübarsepp, Jakob; Klaasen, Heinrich** Proceedings of Joint Nordic Conference in Powder Technology 2000 / p. 4

### **Fatigue mechanics of carbide composites**

**Sergejev, Fjodor; Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** International journal of materials & product technology 2011 / p. 140-163 : ill

### **Fatigue performance of carbide composites**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina; Sergejev, Fjodor** EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 1 2005 / p. 323-328 : ill

### **Influence of pressurized sintering on the performance of TiC-based cermets**

**Kübarsepp, Jakob; Klaasen, Heinrich; Tšinjan, Aleksei; Juhani, Kristjan; Kollo, Lauri; Viljus, Mart** Engineering materials and tribology 2013 / p. 56-61 [https://www.researchgate.net/publication/272047524\\_Influence\\_of\\_Pressurized\\_Sintering\\_on\\_Performance\\_of\\_TiC-Based\\_Cermets](https://www.researchgate.net/publication/272047524_Influence_of_Pressurized_Sintering_on_Performance_of_TiC-Based_Cermets)

### **Influence of sintering techniques on performance characteristics of TiC-based cermet**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Annuka, Harri** 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 26

### **Influence of sintering techniques on the performance characteristics of steel-bonded TiC-based cermets**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Annuka, Harri** Estonian journal of engineering 2009 / 4, p. 283-292 : ill  
[https://www.researchgate.net/publication/237428192\\_Influence\\_of\\_sintering\\_techniques\\_on\\_the\\_performance\\_characteristics\\_of\\_steel-bonded\\_TiC-based\\_cermets](https://www.researchgate.net/publication/237428192_Influence_of_sintering_techniques_on_the_performance_characteristics_of_steel-bonded_TiC-based_cermets)

#### **Internal stresses in diffusion bonded joints**

**Laansoo, Andres; Kübarsepp, Jakob; Saarna, Mart; Klaasen, Heinrich** Materials science = Medžiagotyra 2006 / 2, p. 110-113 : ill  
<https://matsc.ktu.lt/index.php/MatSc/article/view/26413>

#### **Joining hardmetals to steel using brazing processes**

**Laansoo, Andres; Kübarsepp, Jakob; Klaasen, Heinrich; Surženkov, Gennadi** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 177-180 : ill

#### **Karbiidkomposiitide abrasiiv-erosioon- ja hõõrdekulumine**

**Vainola, Vello; Kübarsepp, Jakob; Klaasen, Heinrich; Loel, Rein** Tallinna Tehnikakõrgkooli Toimetised 2004 / lk. 66-71 : ill

#### **Mechanical and wear behaviour of compression sintered hardmetals**

**Klaasen, Heinrich; Kübarsepp, Jakob; Kahar, Andres** PM2004 : Powder Metallurgy World Congress & Exhibition : 17-21st October 2004, Vienna, Austria : Euro PM2004 : conference proceedings. Volume 3 2004 / p. 557-562 : ill

#### **Mechanical and wear behaviour of Tic-base cermets sintered by different techniques**

**Klaasen, Heinrich; Kollo, Lauri; Kübarsepp, Jakob** EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 1 2005 / p. 217-222 : ill

#### **Mechanical properties and wear performance of compression sintered TiC based cermets**

**Klaasen, Heinrich; Kollo, Lauri; Kübarsepp, Jakob** Powder metallurgy 2007 / 2, p. 132-136

#### **Murakami approach : fatigue strength prediction of cemented carbides by considering pores to be equivalent to small defects**

**Sergejev, Fjodor; Preis, Irina; Klaasen, Heinrich; Kübarsepp, Jakob** EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 1 2005 / p. 335-340 : ill

#### **Peculiarities of hardmetals wear in blanking of sheet metals**

**Klaasen, Heinrich; Kübarsepp, Jakob; Eigi, R.** Tribology international 2006 / 4, p. 303-309 : ill

#### **Performance and failure of carbide composites in different wear conditions**

**Klaasen, Heinrich; Roosaar, Tõnu; Kübarsepp, Jakob; Tšinjan, Aleksei** International Powder Metallurgy Congress & Exhibition : EURO PM2009 : 12th October - 14th October 2009, Copenhagen, Denmark : proceedings. Vol.1 2009 / p. 317-322 : ill

#### **Performance of carbide composites for cyclic loading applications**

**Klaasen, Heinrich; Kübarsepp, Jakob** International journal of materials & product technology 2007 / 3/4, p. 399-424 : ill

#### **Performance of carbide composites in cyclic loading conditions**

**Klaasen, Heinrich; Kübarsepp, Jakob; Roosaar, Tõnu; Sergejev, Fjodor; Talkop, Adolf** International Powder Metallurgy Congress & Exhibition : EURO PM2008 : 29th September - 1st October 2008, Mannheim, Germany : proceedings. Vol.1 2008 / p. 237-242 : ill

#### **Performance of carbide composites in cyclic loading wear conditions**

**Klaasen, Heinrich; Kübarsepp, Jakob; Tšinjan, Aleksei; Sergejev, Fjodor** Wear 2011 / p. 837-841 : ill

#### **Performance of cemented carbides in cyclic loading conditions**

**Klaasen, Heinrich; Kübarsepp, Jakob; Sergejev, Fjodor; Traksmaa, Rainer** Materials science = Medžiagotyra 2006 / 2, p. 144-146 : ill

#### **Performance of cemented carbides in cyclic loading wear conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Sergejev, Fjodor** Materials science forum 2007 / Progress in powder metallurgy, p. 1221-1224 : ill

#### **Performance of cemented carbides in cyclic loading wear conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Sergejev, Fjodor** Progress in powder metallurgy. Part 2, Proceedings of the 2006 Powder Metallurgy World Congress & Exhibition (PM2006), Busan, Korea, September 24-28, 2006 2006 / p. 1221-1224 : ill

#### **Performance of cemented carbides in cyclic loading wear conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Sergejev, Fjodor** Extended abstracts of 2006 Powder Metallurgy World Congress : Busan, Korea, September 24-28. 2 2006 / p. 887-888

**Performance of hard alloys in abrasive-erosive and sliding wear conditions**

**Kübarsepp, Jakob; Klaasen, Heinrich; Vainola, Vello** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 4, p. 308-314 : ill

**Performance of sinterhipped TiC-base cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Kollo, Lauri** Proceedings of EURO PM 2006 Congress & Exhibition : Ghent, Belgium, 23-26 Oct. 2006. 1 2006 / p. 213-216

**Performance of TiC-base cermets sintered by different techniques**

**Klaasen, Heinrich; Kollo, Lauri; Kübarsepp, Jakob** Materials science & technology 2005 / 9, p. 1049-1053 : ill

**Performance of tool steels strengthened by PVD coatings**

**Klaasen, Heinrich; Kübarsepp, Jakob; Tšinjan, Aleksei; Adoberg, Eron; Vainola, Vello** World PM 2010 : International Powder Metallurgy Congress & Exhibition : 10th October – 14th October 2010 : Fortezza da Basso, Florence, Italy 2010 / [6] p

**Performance of tool steels strengthened by PVD coatings in adhesion and cyclic loading wear conditions**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Adoberg, Eron; Talkop, Adolf; Viljus, Mart** Proceedings of EURO PM 2011 Congress & Exhibition : October 9-12, 2011, Barcelona, Spain 2011 / [6] p.: ill

[https://www.researchgate.net/publication/286309089\\_Performance\\_of\\_tool\\_steels\\_strengthened\\_by\\_PVD\\_coatings\\_in\\_adhesion\\_and\\_cyclic\\_loading\\_wear\\_conditions](https://www.researchgate.net/publication/286309089_Performance_of_tool_steels_strengthened_by_PVD_coatings_in_adhesion_and_cyclic_loading_wear_conditions)

**Pressurized sintering of TiC-base cermets**

**Klaasen, Heinrich; Kollo, Lauri; Kübarsepp, Jakob; Viljus, Mart** Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 215-220

**Properties of hardmetals influencing their adhesive wear in sheet metal blanking**

**Klaasen, Heinrich; Kübarsepp, Jakob** Tribologia 2001 / 1, p. 23-30 : ill

**Properties of hardmetals influencing their adhesive wear in sheet metal blanking**

**Klaasen, Heinrich; Kübarsepp, Jakob** 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 3 2000 / p. 877-885 : ill

**Reliability characteristics of sinterhipped hardmetals**

**Klaasen, Heinrich; Kübarsepp, Jakob** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 55-57

**Reliability of dual compounds “carbide composite+steel” produced by diffusion welding**

**Klaasen, Heinrich; Kübarsepp, Jakob; Laansoo, Andres; Viljus, Mart** International journal of refractory metals and hard materials 2010 / 5, p. 580-586 : ill

**Sintering technology and properties of TiC-base cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Kollo, Lauri** Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23-24, Riga, Latvia 2004 / p. 56-57

**Sliding and erosion wear of cemented carbides**

**Kübarsepp, Jakob; Klaasen, Heinrich; Vainola, Vello** Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23-24, Riga, Latvia 2004 / p. 120-122 : ill

**Strength and failure of TiC based cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Sergejev, Fjodor** Powder metallurgy 2009 / 2, p. 111-115 : ill

**Strength and wear resistance of sinterhipped hardmetals**

**Klaasen, Heinrich; Kübarsepp, Jakob** Euro PM 2002 : European Conference on Hard Materials and Diamond Tooling, Lausanne, Switzerland, October 7-9th 2002 : hard materials proceedings 2002 / p. 234-239 : ill

**TiC-base cermet steel dual compounds produced by diffusion bonding**

**Kübarsepp, Jakob; Klaasen, Heinrich; Laansoo, Andres** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 173-176 : ill

**TiC-base cermets as wear resistant materials**

**Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri; Klaasen, Heinrich vt.ka Reshetnjak, Heinrich; Reshetnjak, Heinrich vt.ka** Klaasen, Heinrich 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 1 2000 / p. 206-215 : ill

**Toughness and durability of cemented carbides**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** Deformation and Fracture in Structural PM Materials : DF PM 2002 :

proceedings of the international conference, Stara Lesna, Slovak Republic, September 15-18, 2002. Vol. 1 2002 / p. 77-83 : ill

**Toughness characteristics of carbide composites**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 154-156 : ill

**Toughness of carbide composites and their durability in application**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** Euro PM 2002 : European Conference on Hard Materials and Diamond Tooling, Lausanne, Switzerland, October 7-9th 2002 : hard materials proceedings 2002 / p. 240-245 : ill

**Tribological characterization of TiC-base cermets**

**Kübarsepp, Jakob; Pirso, Jüri; Klaasen, Heinrich** Proceedings of 2000 Powder Metallurgy World Congress : November 12-16, 2000, Kyoto, Japan. Part 2 2000 / p. 1633-1636 : ill

**Wear behaviour and mechanical properties of sinterhipped hardmetals**

**Klaasen, Heinrich; Kübarsepp, Jakob** Powder metallurgy 2004 / 2, p. 161-167 : ill

**Wear behaviour, durability, and cyclic strength of TiC base cermets**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina** Materials science and technology 2004 / August, 1006-1010 p. : ill

**Wear characteristics of TiC-base cermets**

**Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 207-211 : ill

**Wear of advanced cemented carbides for metalforming tool materials**

**Klaasen, Heinrich; Kübarsepp, Jakob** Wear 2004 / p. 846-853 : ill <https://doi.org/10.1016/j.wear.2003.08.004>

**Wear performance of PVD coated tool steels**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Adoberg, Eron; Sergejev, Fjodor;** Talkop, Adolf Estonian journal of engineering 2012 / p. 202-210 : ill

**Wear performance of TiC-base cermets**

**Roosaar, Tõnu; Kübarsepp, Jakob; Klaasen, Heinrich; Viljus, Mart** Materials science 2008 / p. 238-241 : ill

**Wear performance of TiC-base cermets**

**Roosaar, Tõnu; Kübarsepp, Jakob; Klaasen, Heinrich; Viljus, Mart** 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 32

**Wear performance of WC- and TiC- based ceramic-metallic composites**

**Kübarsepp, Jakob; Klaasen, Heinrich; Tšinjan, Aleksei; Roosaar, Tõnu; Annuka, Harri** Proceedings of VI International Scientific Conference BALTTTRIB 2011 2011 / p. 150-155

**К вопросу оценки износостойкости твердых сплавов WC-Co**

**Klaasen, Heinrich; Kallas, Paul** Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 32-33 [https://www.ester.ee/record=b1256812\\*est](https://www.ester.ee/record=b1256812*est)

**Прочность и износ вольфрамокобальтовых твердых сплавов в струе абразива**

**Klaasen, Heinrich; Kallas, Paul** Трение и износ = Friction and Wear : международный научный журнал 1988 / с. 519-523 : ил [https://www.ester.ee/record=b1312784\\*est](https://www.ester.ee/record=b1312784*est)