

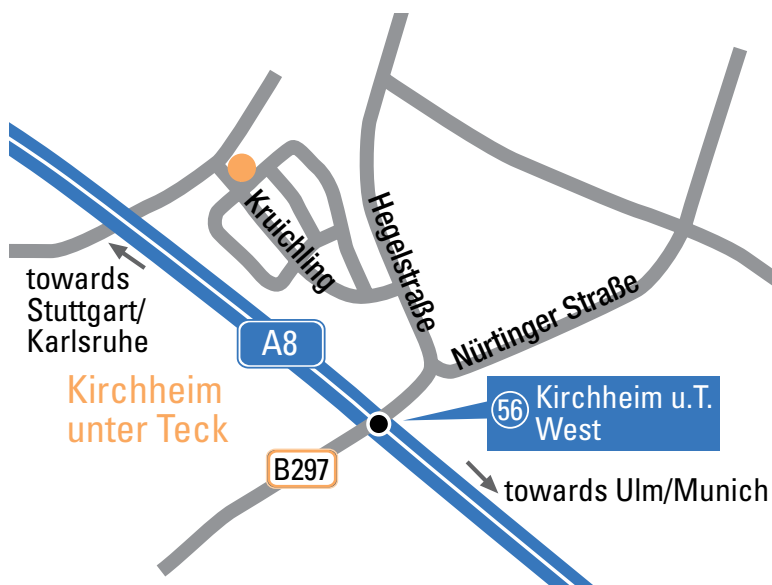


Invitation

to Makino's Carbide Seminar,
June 26, 2013 in Kirchheim unter Teck, Germany



How to find us in Kirchheim unter Teck:



By plane

Fly to Stuttgart Airport.
Take a taxi or rental car and come to our site at
Kruichling 18 in 73230 Kirchheim unter Teck.

By car

When coming from Stuttgart or Ulm/Munich:
Exit the A8 motorway at Kirchheim u. T. West (exit
no. 56) and drive towards Kirchheim on the B297
(Nürtinger Straße). Stay on this road, which becomes
Hegelstraße, and turn left into a road called Kruichling.
Makino is at the end of this road on the right-hand side
(Kruichling 18).

Makino GmbH

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Carbide Seminar

Dear Sirs,

What are the latest developments in carbide machining? How can we further improve the quality, productivity and operating efficiency of machining processes? What future tendencies can already be detected?

Extensive research has been undertaken in recent years on these topics. New materials, tools and processes have been developed. Previously valid limits have been surpassed and even economic feasibility has been improved to a large extent.

Makino and its partners would like to invite you to the 1st Carbide Seminar on

June 26, 2013

in our Makino Technology Centre in Kirchheim unter Teck.

Experience and discuss even more challenging technological limits and the most intelligent ways of using and combining different key technologies such as milling, SEDMing and WEDMing in order to achieve a productive and economical way of machining carbide in applications like, for instance, fine stamping or production of cutting tools.

The Makino Carbide Seminar combines presentations from partners and Makino experts with practical machine demonstrations and open discussions.

We are looking forward to welcoming you in June.

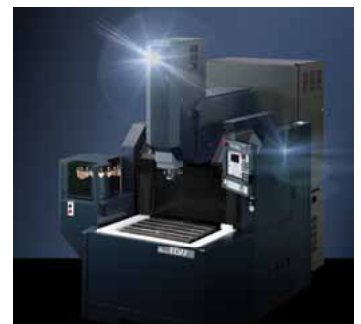
Your Makino team

Programme Wednesday, June 26, 2013

10:00 – 10:30	Welcome coffee and introduction
10:30 – 11:00	Presentation by Ceratizit: "Carbide materials: properties and suitable applications"
11:00 – 11:30	Presentation by Ölheld: "Achieving longer stamping times with higher surface quality"
11:30 – 12:00	EDM presentation by Makino
12:00 – 12:30	Demo session 1: Explanation of EDM samples and starting the UPV-5 and EDAF3
12:30 – 13:30	Lunch
13:30 – 14:00	Presentation by Zecha: "New cutting tool grades and coatings for direct carbide milling"
14:00 – 14:45	Milling presentation by Makino
14:45 – 15:00	Coffee break
15:00 – 16:00	Demo session 2: Explanation of samples, live iQ300 demonstration and concluding with a look at the machining results from the UPV-5
16:00	End of event



The iQ300: Precision Micro Machining Center



The EDAF3: High-Accuracy NC Electrical Discharge Machine



The UPV-5: Oil Dielectric Wire EDM for Tungsten Carbide Machining

Be a part of something special by registering today via email:

s.sergel@makino.eu