

Invitation

Open house DECKEL MAHO Seebach

5-8 NOVEMBER 2013

TUESDAY TO FRIDAY, 9 AM TO 5 PM

**Experience 9 EMO world
premieres live in Seebach**

- + DMF 600|11 *linear*
- + DMC 650 V
- + HSC 30 *linear*
- + HSC 70 *linear*
- + NLX 2500SY/700
- + CTX beta 2000 TC
- + SPRINT 65
- + CTX 450 *ecoline*
- + UNO 20|70

DMG MORI

5-8 NOVEMBER 2013

Welcome to DECKEL MAHO in Seebach.

Dear business partners,

From 5 to 8 November 2013 you can find out about the trends and innovation in 2013 and 2014 at the DMG MORI open house at DECKEL MAHO in Seebach. On this occasion we will provide live demonstrations of a large variety of DMG MORI machines, including selected highlights from this year's EMO.

To optimise your processes, we will also present the comprehensive range of DMG MORI LifeCycle Services and trends in turning and milling technology, software and energy efficiency.

We look forward to your visit!



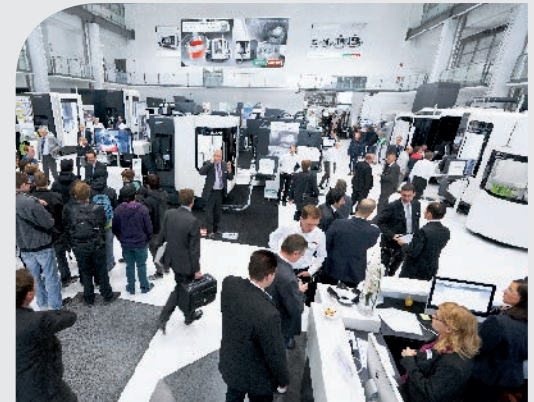
Hans-Günter Dose
Managing Director
DECKEL MAHO Seebach



Peter Weber
Managing Director
DECKEL MAHO Seebach



Dr. Harald Neun
Managing Director
DMG MORI SEIKI Berlin



HIGHLIGHTS OF THE OPEN HOUSE

- + **CELOS**
From the idea to the finished product
- + **NEW DMG MORI MACHINE DESIGN**
Increased functionality, added user-friendliness and value retention
- + **9 EMO WORLD PREMIERES**
 - DMF 600|11 *linear*
 - DMC 650 V
 - HSC 30 *linear*
 - HSC 70 *linear*
 - NLX 2500SY/700
 - CTX beta 2000 TC
 - SPRINT 65
 - CTX 450 *ecoline*
 - UNO 20170



CELOS – FROM THE IDEA TO THE FINISHED PRODUCT

CELOS by DMG MORI SEIKI simplifies and speeds up the process from the idea to the finished product. CELOS APPS facilitate consistent management, documentation and visualisation of order, process and machine data for the user.

NEW DMG MORI MACHINE DESIGN

The holistic high quality standard of DMG MORI is illustrated by the new joint design. Experience the advantages of the new design live thanks to increased functionality and added user-friendliness and value retention.

CELOS

We will demonstrate the following machines live.

TURNING TECHNOLOGY

- + **NEF // UNIVERSAL TURNING MACHINE:**
NEF 400
- + **CTX // UNIVERSAL TURNING MACHINES:**
CTX alpha 500
CTX beta 800
- + **NLX // UNIVERSAL TURNING MACHINE:**
*NLX 2500SY/700**
- + **CTX TC // TURN & MILL COMPLETE MACHINING CENTRE:**
CTX beta 2000 TC
- + **NTX // TURN & MILL COMPLETE MACHINING CENTRE:**
NTX 1000S
- + **NZX // PRODUCTION TURNING MACHINE:**
NZX 2000/800STY3
- + **CTV // VERTICAL TURNING MACHINE:**
CTV 160
- + **SPRINT // AUTOMATED TURNING MACHINE:** *SPRINT 65*

MILLING TECHNOLOGY

- + **DMU // UNIVERSAL MILLING MACHINE:**
DMU 50 / 70
- + **DMU EVO // UNIVERSAL MILLING MACHINES FOR FIVE-SIDED / FIVE-AXIS MACHINING:**
DMU 40 eVo FD with pallet changer
DMU 60 eVo + PH 150|8
DMU 60 eVo FD
DMU 80 / 100 eVo *linear*
- + **DMU FD // UNIVERSAL MILLING MACHINE:**
DMU 65 FD monoBLOCK®
- + **DMF // TRAVELLING COLUMN MACHINES:**
DMF 600|11 linear
DMF 260|11 *linear* FD
DMF 260|7
- + **DMC V // VERTICAL MACHINING CENTRE:**
*DMC 650 V**
- + **NHX // HORIZONTAL MACHINING CENTRE:**
NHX 4000
- + **DMC // UNIVERSAL MACHINING CENTRES FOR FIVE-SIDED / FIVE-AXIS MACHINING WITH PALLET CHANGER:**
DMC 85 monoBLOCK®
DMC 80 FD duoBLOCK®
- + **HSC // HIGH-SPEED PRECISION CUTTING CENTRES:**
*HSC 30 / 70 linear**

ECOLINE

- + **CTX ECOLINE // UNIVERSAL TURNING MACHINE:**
CTX 450 ecoline
- + **MILLTAP:**
MILLTAP 700 + Automation WH 3

MEASURING & CHECKING

- + **TOOL PRESET:**
UNO 20|70
VIO 20|50 *linear*
DMG MORI Equator

AUTOMATION

WH 3 workpiece handling on the MILLTAP 700
PH 150|8 pallet handling on the DMU 60 eVo

DMG MORI LIFECYCLE SERVICES

- + **SERVICE:**
Spindle service
- + **TRAINING**
- + **SOFTWARE:**
DMG MORI SEIKI process chain
DMG MORI SEIKI Messenger
DMG Service Agent
- + **USED MACHINES**

■ EMO world premieres

* In the new machine design with CELOS control

DMG MORI technology workshops.

We want to use our technology workshops to introduce you to pioneering solutions to increasing the efficiency of your production, from work preparation to the automated machining process.



HORN WORKSHOP // 05 NOVEMBER 2013, 9.30 AM TO 3.30 PM

Plunge turning – chip-forming geometries and their application;
edge wear during plunge turning; diamond as a cutting material;
hard machining of steel with CBN

RENISHAW WORKSHOP // 05 & 06 NOVEMBER 2013, 2.00 PM TO 3.00 PM

SPRINT – the tactile high-speed scanning system for CNC machine tools

HSC WORKSHOP // 06 NOVEMBER 2013, 10.00 AM TO 12.00 PM

The latest high-speed cutting technology

SERVICES WORKSHOP // 07 NOVEMBER 2013, 9.00 AM TO 12.30 PM

DMG MORI LifeCycle Services, overviews of production and service trends

SANDVIK WORKSHOP // 07 NOVEMBER 2013, 10.00 AM TO 12.00 PM

Milling strategies for high-performance vertical machining

INGERSOLL WORKSHOP //

08 NOVEMBER 2013, 9.00 AM TO 12.00 PM & 1.00 PM TO 3.30 PM

Highly efficient tool solutions for economic machining on DMF machines

ENERGY SOLUTIONS WORKSHOP // DAILY, 13.00–13.30 UHR

30 minutes can save you 30 % of your energy costs

VERTICAL MACHINING CENTRE

DMC 650 V

HIGHLIGHTS

- + Powerful equipment as standard – the base spindle is rated at 14,000 rpm / 121 Nm, 36 m/min rapid traverse
- + SK50 spindle with 303 Nm (optional)
- + Tool magazine with up to 120 positions
- + Workpiece weight up to 800 kg
- + 30% higher precision thanks to cooled drives and guides
- + With experience from more than 10,000 supplied vertical machining centres
- + SANDVIK COROMANT tool kits for milling, drilling and tapping



DYNAMIC TRAVELLING COLUMN CENTRE

DMF 600 | 11 *linear*

HIGHLIGHTS

- + Linear drive on the X axis for high rapid traverse speeds and precision with a 60-month warranty
 - + Large working space for up to 6000 mm traverse on X, 1100 mm on Y and 900 mm on Z for long workpieces and the most effective shuttle machining
 - + Workpiece weight up to 10,000 kg
 - + 5-axis machining with the B axis* and integrated NC table*
 - + Wide spindle variety up to 18,000 rpm or 10,000 rpm with SK50 / HSK-A100 and 413 Nm
 - + Ingersoll performance package for milling and drilling
- * Optional



HIGH-SPEED PRECISION CUTTING CENTRES

HSC 30 / 70 *linear*

The HSC 30 *linear* and the HSC 70 *linear* set new standards for precision and surface quality in tool and mould construction. Outstanding features are the unique long-term precision of less than 5 µm thanks to the innovative cooling concept and the thermo-symmetrical construction as well as the perfect surface qualities of Ra < 0.15 µm thanks to HSC spindles with shaft, flange and jacket cooling.

HIGHLIGHTS

- + Highest level of long-term precision < 5 µm thanks to the innovative cooling concept and thermo-symmetrical construction
- + Best surface qualities of Ra < 0.15 µm thanks to HSC spindles with shaft, flange and jacket cooling
- + Linear motors on all axes as standard for the highest dynamics and precision with up to 80 rpm rapid traverse and a 60-month warranty
- + Haimer tool holder package for highest precision in the area of workpiece clamping



DMG MORI LifeCycle Services – live in Seebach.



1:1 SIMULATION

SOFTWARE / PROCESS CHAIN

From the idea to the finished workpiece.
Experience the process chain live.



SOFTWARE / MESSENGER

Permanent on-line monitoring of
your DMG and MORI SEIKI machines.
Higher quantities thanks to reduced
idle time.



TRAINING

Modular and practical training in how
to program, install and operate your
DMG and MORI SEIKI machines.



SPINDLE SERVICE

Straight from the manufacturer for
all DMG and MORI SEIKI machines.
Immediate help with the spindle
exchange service or precise repairs.



TOOL PRESET

We provide the perfect solution for all
tool sizes and machine environments.



USED MACHINES

Certified used machines for every budget.
All offers available immediately can be
found at: cnc-scout.dmgmoriseki.com

Reply by fax to +49 (0) 71 52 / 90 90 - 22 44 or online at www.dmgmori.com

- Yes, I/we will come to the **open house at DECKEL MAHO in Seebach** with _____ people on:
- Tuesday**, 5 November 2013 **Wednesday**, 6 November 2013 **Thursday**, 7 November 2013 **Friday**, 8 November 2013
- I will participate in the following technology workshop with _____ people:
- HORN** – 5 November 2013 (from 9.30 am to 3.30 pm) **SANDVIK** – 7 November 2013 (from 10.00 am to 12.00 pm)
- Renishaw** – 5 November 2013 (from 2.00 pm to 3.00 pm) **Ingersoll** – 8 November 2013 (from 9.00 am to 12.00 pm)
- HSC** – 6 November 2013 (from 10.00 am to 12.00 pm) **Ingersoll** – 8 November 2013 (from 1.00 pm to 3.30 pm)
- Renishaw** – 6 November 2013 (from 2.00 pm to 3.00 pm) **Energy Solutions** – daily (from 1.00 pm tp 1.30 pm)
- Services** – 7 November 2013 (from 9.00 am to 12.30 pm) Tuesday Wednesday Thursday Friday
- I would like to subscribe to the free used machine and service newsletter from DMG MORI LifeCycle Services.
My e-mail address: _____
- I am interested in the following products: _____
- I cannot come to the open house at DECKEL MAHO in Seebach,
but please contact me regarding the following: _____

Customer ID (see address)	Company

Last name / First name	

Street	

Town / Postcode	Country

Telephone	Fax

E-mail	Website

Open house DECKEL MAHO Seebach

OPEN FROM 5–8 NOVEMBER 2013

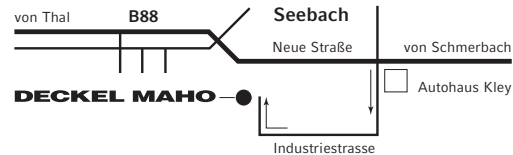
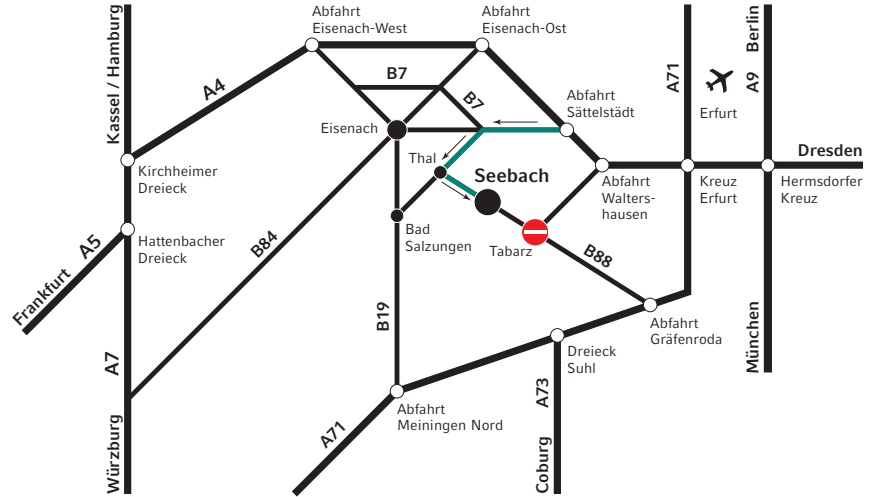
TUESDAY TO FRIDAY, 9 AM TO 5 PM



SEEBACH

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