



SKÄRPVERKTYG AB



No matter which quality management system you use, the continuous improvement process is the central issue.

The crucial basis for successfully implementing the quality objectives lies in deepening, broadening or renewing knowledge, skills and abilities.

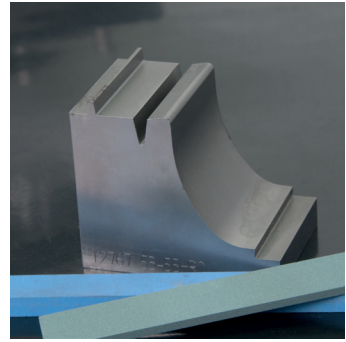
Our seminars support you in the field of polishing with our knowledge and experience.

12 | SEMINARS



MODERN METHODS FOR MIRROR POLISHING

THE WALL WITH
CERAMIC BRE AND
ULTRASOUND



We have developed an innovative seminar based on our textbook "Modern methods for mirror polishing".

Over 2 intensive and informative days, we show you and do exercises with you in the practical part:

- Removal of the hard erosion skin
- Working with polishing stones grit size 220 to 600
- Single-direction polishing
- 6 μm diamond polish with easyLap
- 3 μm diamond polish with hard and soft carrier
- 1 μm mirror finish with polishing felt and polishing wool

Costs: 8 900kr/participant

2-day-course including polishing book "Modern methods for mirror polishing", seminar documents and certificate, drinks during breaks, snack and 1 collective supper and 1 mould worth € 99.00. Overnight accommodation costs are not included. We will be pleased however to book you into a nearby hotel.

On the 1st day we start with about 3 hours introduction into polishing techniques and watch in short video clips what we are talking about. (Never fear, the theoretical part is presented visually and in a readily understandable way.) This is followed by the practical part with short breaks for theory and

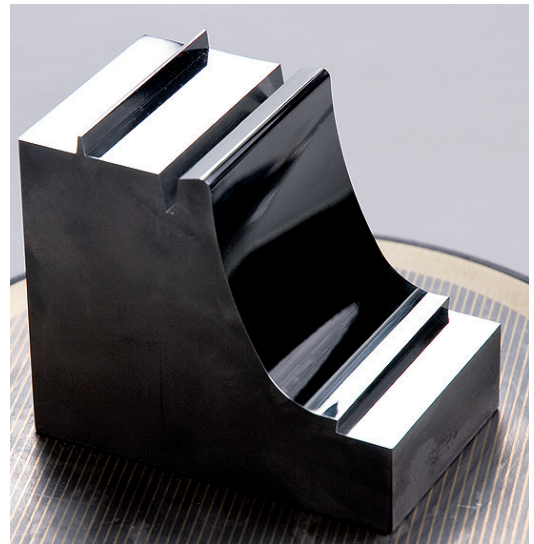


discussions. We would like to get you to have finished processing the mould at the end of the 2nd day, i.e. with 400 and 600 unidirectional polishing, 6 μm , 3 μm and 1 μm mirror finish. You will receive over these two days a sound foundation for processing your polishing tasks. The seminar is based on our book "Modern methods for mirror polishing" which you will receive at the end of the seminar. You will therefore have a sound reference work and will be equipped for almost all tasks.



You can take your finished mould with you at the end of the seminar and impress your colleagues.

Seminars are always hard going, particularly in the theoretical part. To ensure that you listen to us in awe and wonder, the whole theoretical part is multimedially structured. You will see a whole series of exciting video clips and will learn the bases and



fine details of polishing technique through explanatory computer animations.

We do this in alternation. So always a little theory followed by a little practice and so on. One of these 10 workstations could be yours.

Each polishing station is equipped with a magnifying light, 1 piggySonic® ultrasonic system complete with an ultrasonic handpiece, 1 filing machine and a brushless PowerMotor with an angle head for polishing. These are joined by a ball-joint vice and cleaning products, etc.



Martin Schriever



has over the past 30 years pretty well polished everything that exists in toolmaking and mould building with various different professional polishers. During the last 3 years, he worked in Mexico as a freelance entrepreneur in maintenance in the automotive sector.

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PIGGY AT HOME (BERGISCH GLADBACH)



*There is keen interest in our seminars, as the many satisfied participants recommend their colleagues or friends to participate too. So take our advice: register early. **The number of places is limited.***

Once we have finished with the practical part, we will then proceed to show you the steps with which you get laser-welded or micro-welded places back to looking new again.



The seminar:

Welding & Polishing

The same questions keep on coming up again:

How can we repair our moulds professionally?

How are the repaired places polished up again?

You can obtain the answers to these questions in our new seminar: welding and polishing. During this day

- we will deal with the micro-welding.
- brush up and advance our theoretical knowledge of polishing
- devise a plan of how to repair and repolish the damage.

We have prepared a polished mould with a defect for each participant. In the practical section, you will

- micro-weld the damage
- and subsequently process the latter according to the plan



Our polished surface has suffered a few areas of minor damage. The first question will therefore be: how is this damage best welded?



We will repair the damage with MicroSpot and 0.5 mm Ø wire. You will receive a brief introduction into microwelding and weld your mould yourself.



Once the welding points or seams have been flattened, the surface can be built up again. You will be working with ultrasound and ceramic fibre files, polishing stones and diamond compounds.

Overnight accommodation costs are not included. We will be pleased however to book you into a nearby hotel (approx. @ 85.00/night including breakfast). The hotel is in a quiet area but in the immediate vicinity of a small railway station. Extremely convenient for rail travellers.

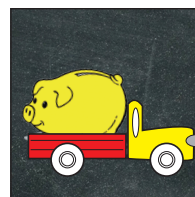
Participants: max. 6.

Time: 9 a.m. to 4 p.m.

Your choice:



Come and visit us.



We come to yours.



The **polishing** book for practical use

The 1st edition of our polishing book was very elaborately designed and therefore also quite expensive. We have now printed the 2nd edition in a simple paperback version, with the great advantage to you of a considerable reduction in price. The contents have remained the same, as they have proven themselves 100 times over in practice and in our seminars.

Who is this book intended for?

Primarily for practical workers seeking to test their knowledge and curious to see whether there is a good idea or two that can be used to optimise their daily work.

However, we are also thinking of master craftsmen, operating managers and entrepreneurs

who would like to shed some light on the dark secrets of polishing.

We have received a lot of positive feedback from students and lecturers in recent years, as there has been virtually no detailed literature on the subject of polishing.

Which topics are dealt with?

We worked a complete year on this book, investing more than 40 years of experience. Resulting is a highly informative, demonstrative and easily understandable workbook.

More than 460 pictures and illustrations show you in clear steps how to obtain the requested polish quickly and easily.

Here are the topics:

- 1. Bases**
Polishing methods, surface values, measuring methods.
- 2. Workplace:**
The correct equipment.
- 3. Tools:**
From fibre file to diamond compound.
- 4. Practice:**
Presentation of generally valid working steps.
- 5. The mould:**
Step by step you will see and find out how the surfaces (e.g. slots, webs and radii) of a mould are processed.
- 6. Alternative ways**
With the correct tools to success.
- 7. Maintenance:**
In a few steps to the repaired mould.
- 8. Aluminium:**
This material also can be processed to a shine.



Order no.	€/piece
5-BUCH-13	69.00

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