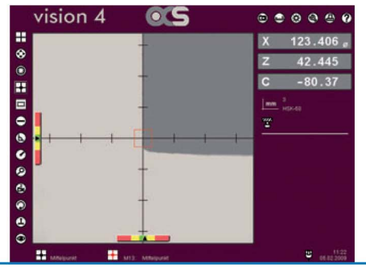
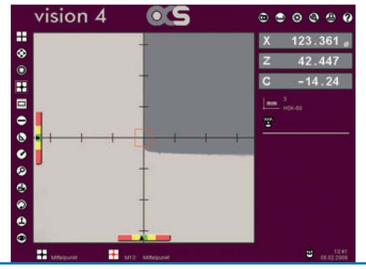
案例 Case study

硬质合金立铣刀 TC Endmill





磨削工具 Grinding tool:
麦斯特金刚石砂轮 Meister Ceramet DIA
1A1R 125x10x20 X=5
D42-91-100-H-3921
机床 Machine: Schutte WU 305
主轴功率 Spindle power: 15kW
工件 Workpiece:
硬质合金立铣刀 TC Endmill
Ø20x105mm, 4槽
Ø 20x105mm/4 flutes
槽深 Flute depth: 4.6mm
槽长 Flute length: 40mm
材质 Material: K40
冷却 Coolant: 油冷 Oil, 7bar
进给速度 Feed rate: 120mm/min
材料去除率 Qw ‘: 9
线速度: Vc =14m/s

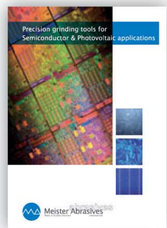
结果 Results:

- 每槽所磨损的砂轮量: 0.5μm
  Wheel wear per fl ute: 0.5μm
- 连续的低主轴功率消耗量
  Constantly low spindle powerc onsumption
- 自锐,不需修整
  Selfsharpening, no dressing required
- 无人化生产
  unmanned production

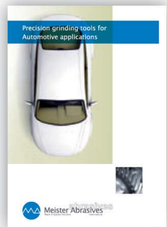
麦斯特磨料在高端工业应用中具有最强竞争力
Meister Abrasives grinding competence for highlevel industrial applications

工具和刀具
Tool & Cutter

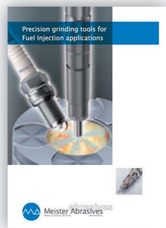
医疗
Medical



半导体及光电材料
Semiconductors
& Photovoltaic



汽车
Automotive



燃油喷射
Fuel Injection

轴承
Bearings

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International

集团总部
Group Headquarters

瑞士 Switzerland
MEISTER ABRASIVES AG
Industriestrasse 10
CH-8450 Andelfingen
Phone +41 (0)52 304 22 22
Fax +41 (0)52 304 22 12
sales@meister-abrasives.ch
www.meister-abrasives.ch

意大利 Italy
MEISTER ABRASIVI s.r.l.
Via Giacomo Matteotti 54
I-20017 Rho (MI)
Phone +39 02931 82 080
Fax +39 02931 63 437
sales@meister-abrasivi.it

英国 Great Britain
MEISTER ABRASIVES UK LTD
High March
Long March Industrial Estate
Daventry
Northants NN11 4PG
Phone +44 (0)1327 703813
Fax +44 (0)1327 871617
sales@meister-abrasives.co.uk
www.meister-abrasives.co.uk

中国 China
MEISTER ABRASIVES CHINA
Shanghai
sales@meister-abrasives-china.cn
www.meister-abrasives.com

美国 USA
MEISTER ABRASIVES USA INC.
201 Circuit Drive
North Kingstown, RI 02852
Phone +1 401 294 2530
Toll Free: +1 888 Meister
Fax +1 401 294 7326
sales@meister-abrasives-usa.com
www.meister-abrasives-usa.com

香港 Hong Kong
MEISTER ABRASIVES ASIA PACIFIC
sales@meister-abrasives.asia
www.meister-abrasives.com

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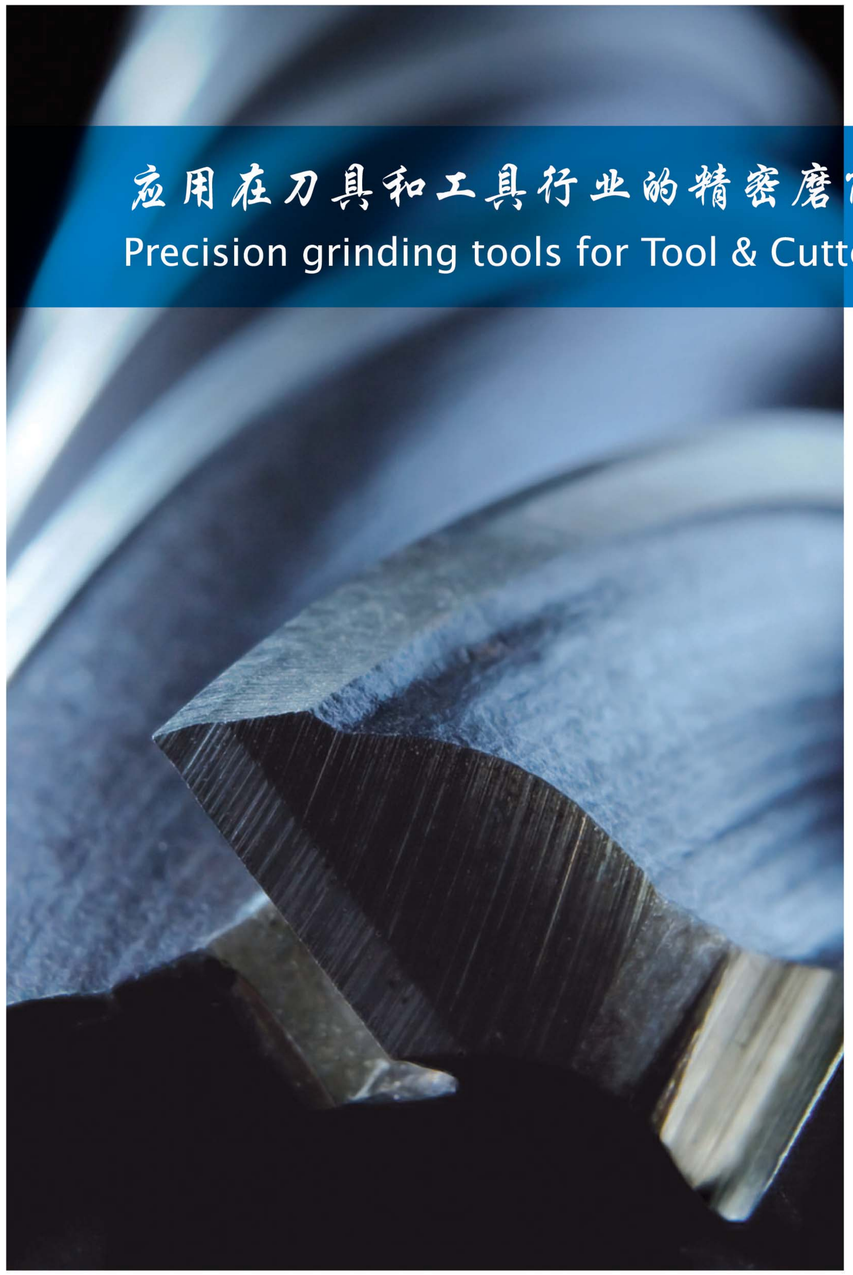
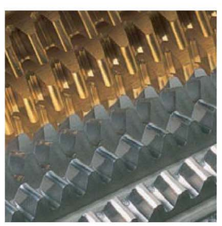


应用在刀具和工具行业的精密磨削工具
Precision grinding tools for Tool & Cutter applications



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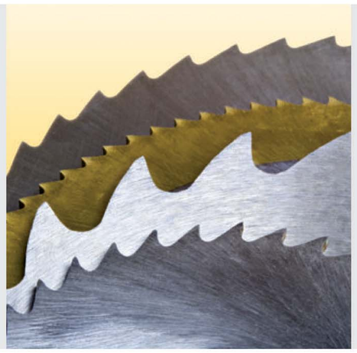
麦斯特磨料的高效率磨削砂轮确保始终如一的锋利磨具刃口

Meister Abrasives'highly efficient grinding wheels guarantee consistently sharper edges.

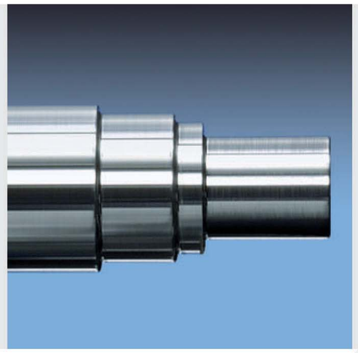
旋转刀具
Rotary cutting tools

刀片
Cutting inserts



锯片
Saw blades

滚刀
Hobs



半成品
Semifi nished products

模具
Mold & Die

在竞争激烈的刀具、
工具制造行业，
最经济的磨削工艺
是至关重要的成功因素。
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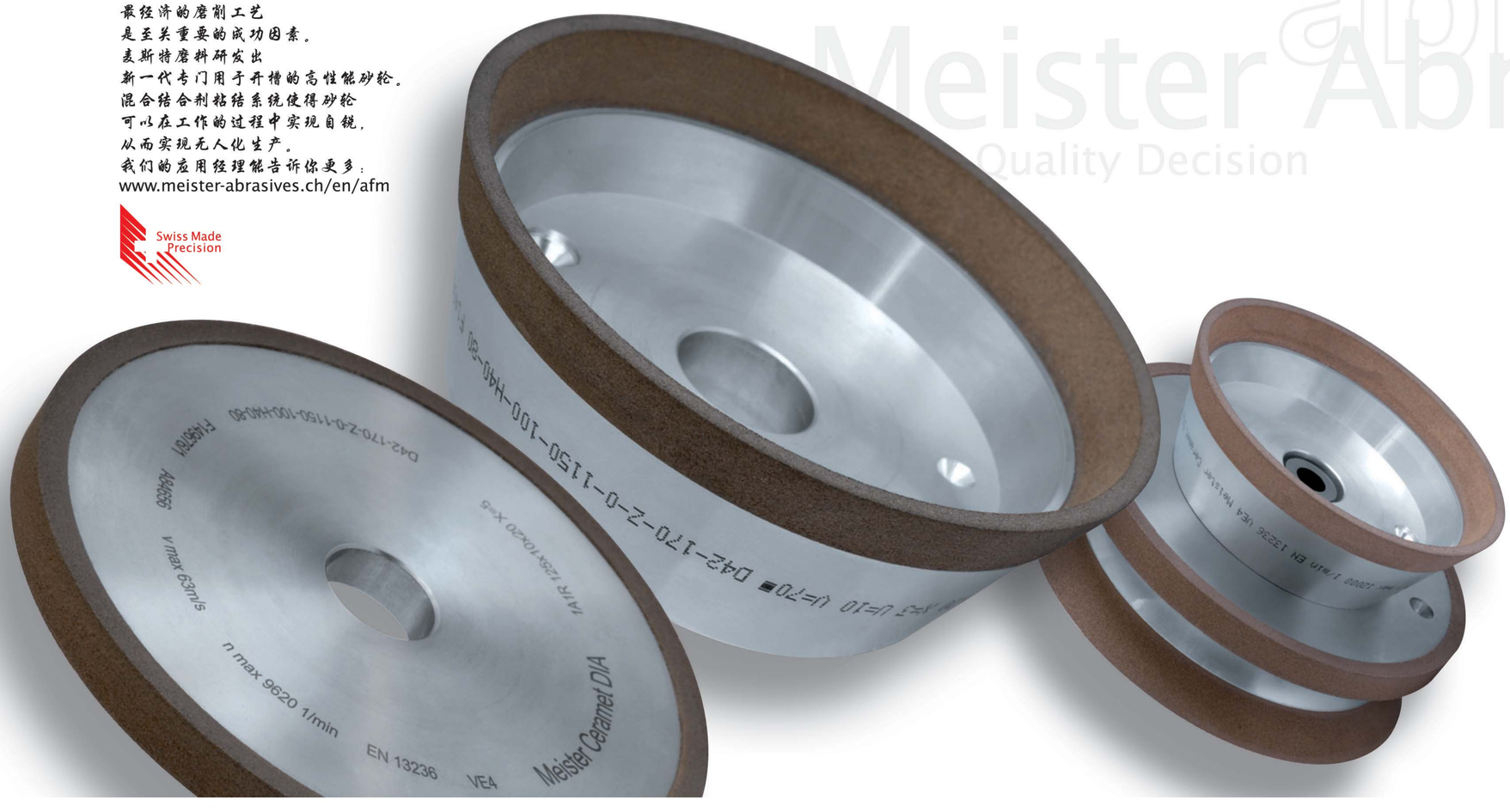
Swiss Made
Precision



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