

Case study: TC Endmill

Grinding tool:

Meister Ceramet DIA
1A1R 125x10x20 X=5
D42-91-100-H-3921

Machine: Schütte WU 305

Spindle power: 15kW

Workpiece: TC Endmill
Ø 20x105 mm/4 flutes

Flute depth: 4.6 mm

Flute length: 40 mm

Material: K40

Coolant: Oil, 7bar

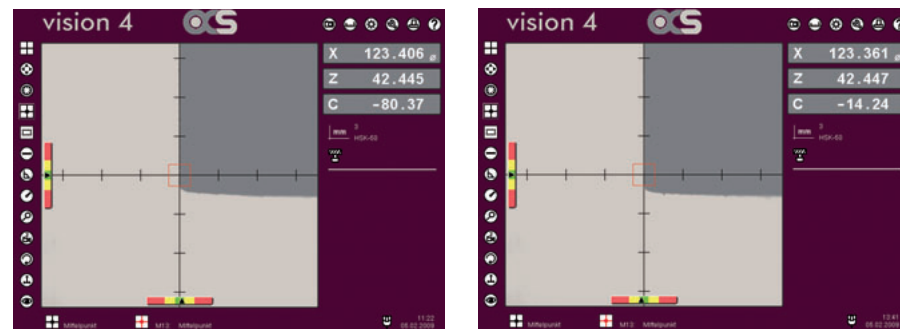
Feed rate: 120 mm/min

Qw': 9

Vc= 14 m/s

Results:

- Wheel wear per flute: 0.5 µm
- Constantly low spindle power consumption
- Selfsharpening, no dressing required
- unmanned production



Precision grinding tools for Tool & Cutter applications

Meister Abrasives grinding competence for highlevel industrial applications



Switzerland
Group Headquarters
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

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

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

China

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

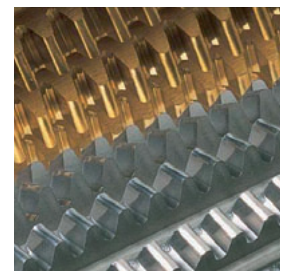
USA

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

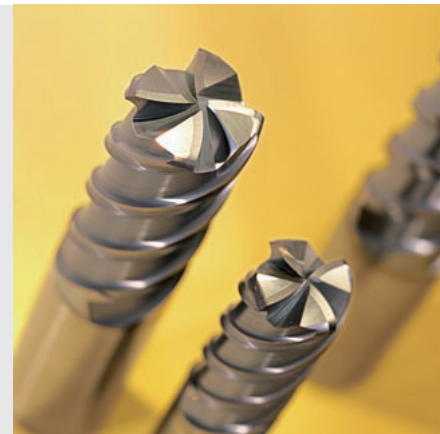
Hong Kong

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

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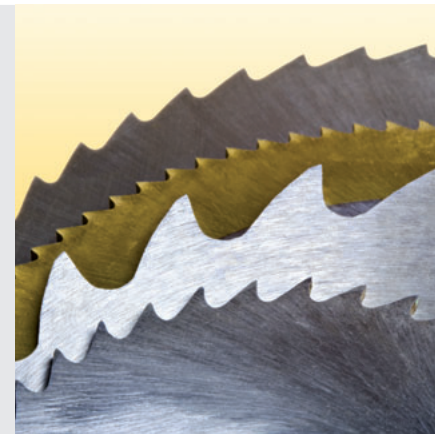
Meister Abrasives' highly efficient grinding wheels guarantee consistently sharper edges.



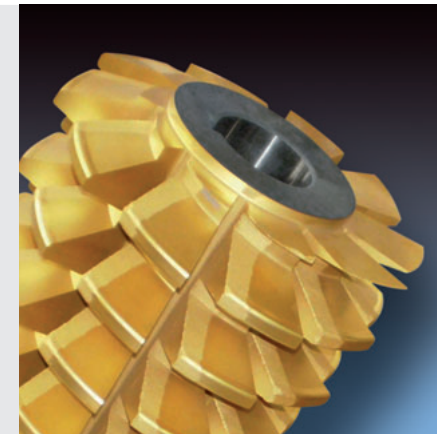
Rotary cutting tools



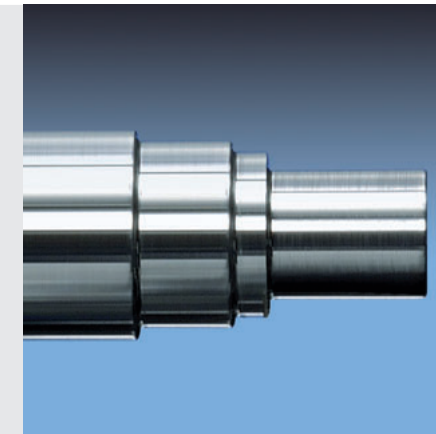
Cutting inserts



Saw blades



Hobs

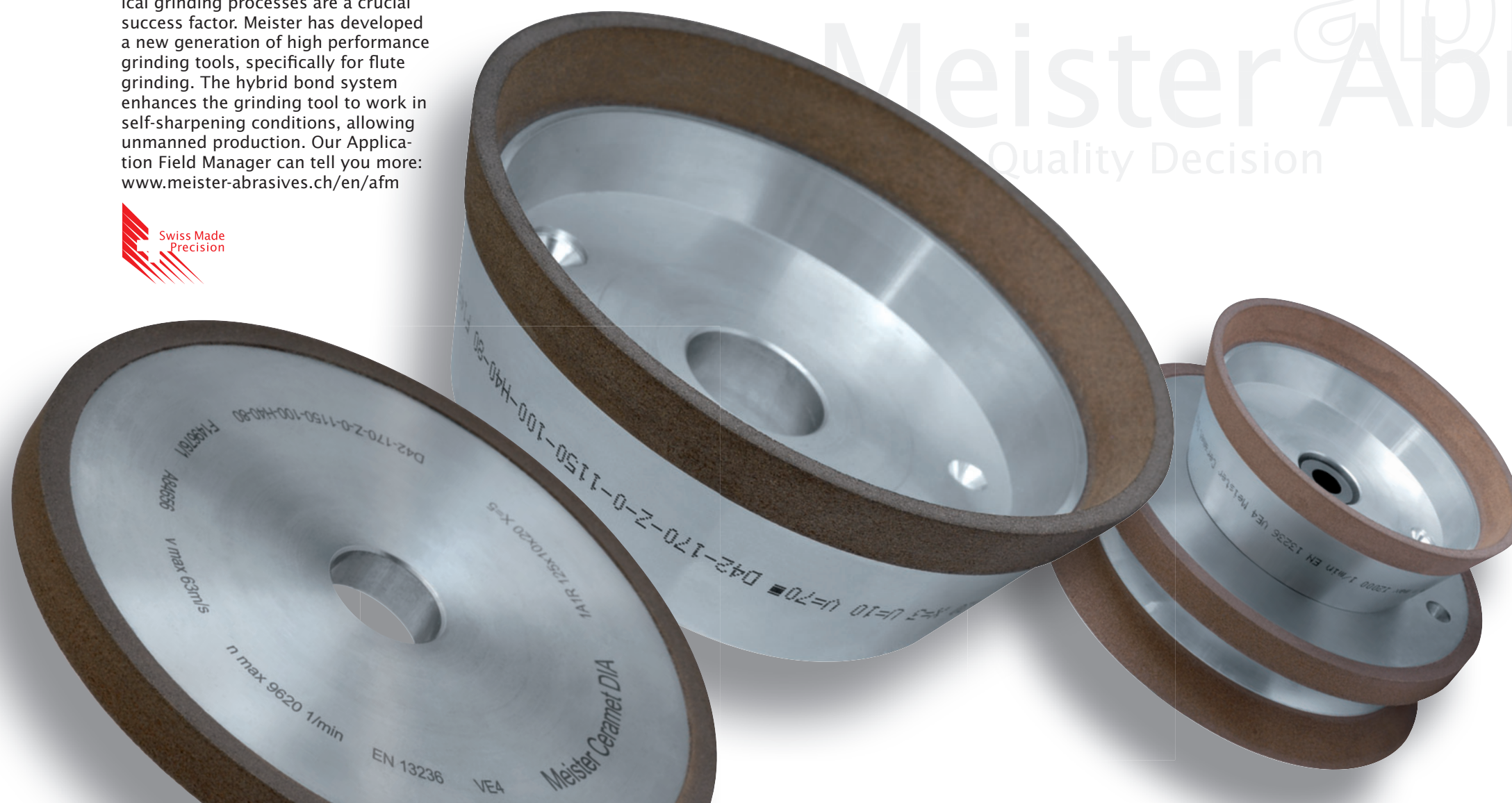


Semifinished products



Mold & Die

In the highly competitive field of tool & cutter manufacturing, most economical grinding processes are a crucial success factor. Meister has developed a new generation of high performance grinding tools, specifically for flute grinding. The hybrid bond system enhances the grinding tool to work in self-sharpening conditions, allowing unmanned production. Our Application Field Manager can tell you more: www.meister-abrasives.ch/en/afm



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