



***Quality Tools and Machines***

# **PUNCHING BENDING CUTTING**



NATURALLY ALSO ON THE INTERNET – [www.alfra.de](http://www.alfra.de)

**CERTIFICATE**

The TÜV CERT Certification Body  
of TÜV Rheinland Industrie Service GmbH

certifies in accordance with  
TÜV CERT procedures that

**Alfred Raith GmbH**  
II, Industriestr. 10  
D-68766 Hockenheim

has established and applies a quality management system for  
**production and distribution of cutting-, punching-  
and milling tools and special machine tools**

An audit was performed, Report No. 73052  
Proof has been furnished that the requirements according to  
**DIN EN ISO 9001:2000**  
are fulfilled.  
The certificate is valid until **31. Oktober 2009**  
Certificate Registration No. **01 100 73052/1**

*Tollhoff*

September 2008-11-18  
Print certification 1087  
TÜV CERT Certification Body of  
TÜV Rheinland Industrie Service  
www.tuv.com



# OUR PRODUCT RANGE

## A

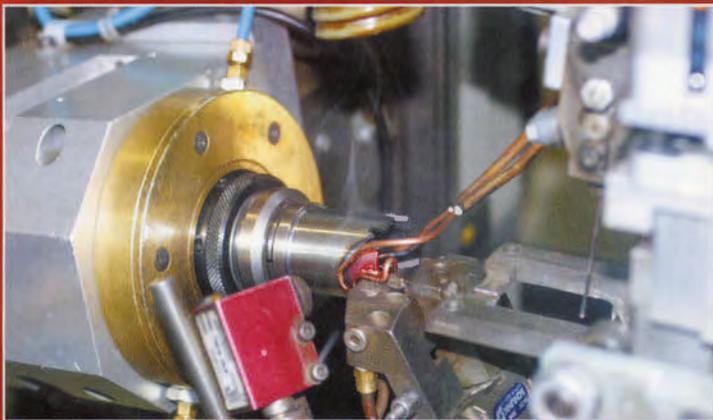
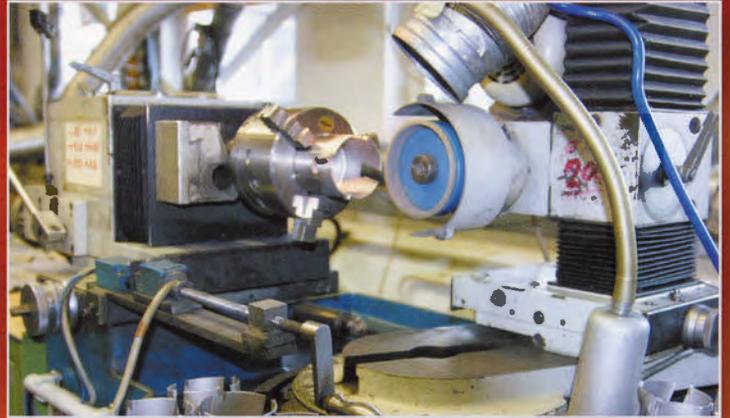
PUNCHING – BENDING – CUTTING



## B

DRILLING – PUNCHING – CUTTING – DEBURRING





## INDEX OF TOOLS AND MACHINES for control cabinet and switchgear engineering + cutting



Punch Tristar



Punch sets Tristar



Punch and sets Tristar Plus



Punch and die Tristar Plus S



Puncher Standard/sets



Puncher Sanitary



Puncher Square/rectangular



Puncher Special shapes



Puncher Sub-Min-D



Nibbing tool ASN



Accu-hydraulics Punching/sets



Hand hydraulics Punching/sets



Hydraulic pumps  
manual, electro, pneumatic



Notch pliers



Cutting tools for mounting rails



Wiring duct cutting tools



Busbar Machining



Pressing tools



Cable cutters



Stationary punching machines



HSS-Bi-Metal Hole Saws/Sets



TCT-Hole Saws - Short Type



TCT-Hole Saws - Long Type



TCT-Hole Saws - MBS-Light



TCT-Hole Saws - MBS-Pro



TCT-Hole Saws - FRP type



Multi-Step Drills

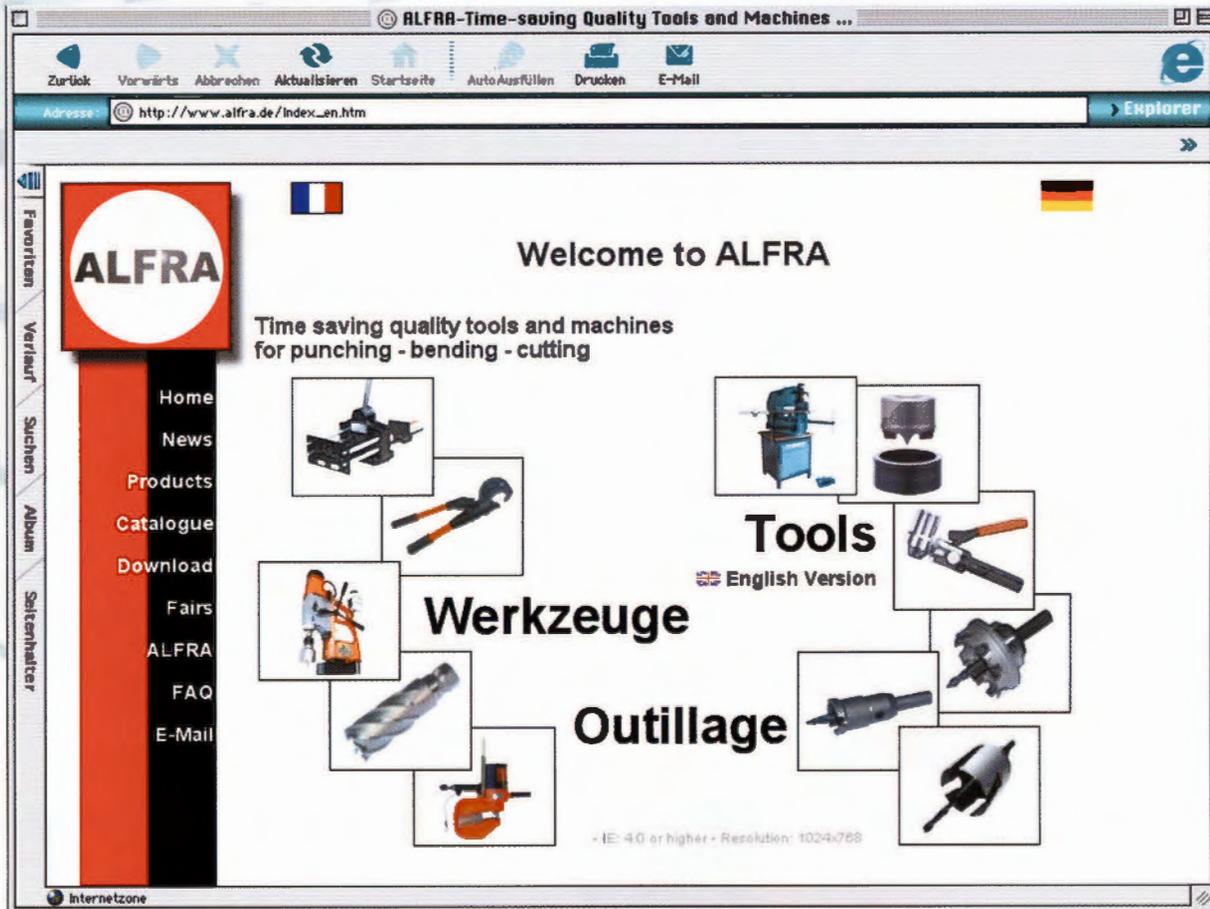


Precision Conical One-Lip Bits

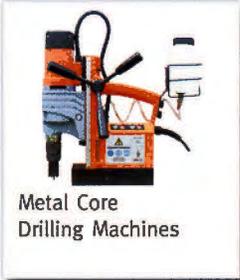
# PLEASE SEE ALSO OUR WEBSITE



## WWW.ALFRA.DE



**DRILLING – PUNCHING – SAWING – DEBURRING**



Metal Core Drilling Machines



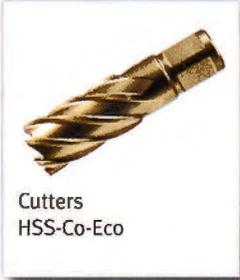
Accessories Metal Core Drilling Machines



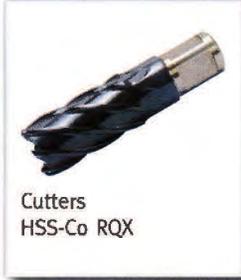
Metal Core Drilling - Tapping



Tool Holders/ Adaptors



Cutters HSS-Co-Eco



Cutters HSS-Co RQX



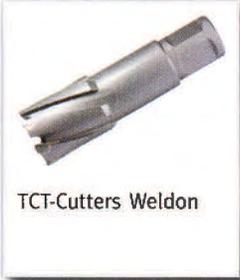
Cutters ASP-30 Rail



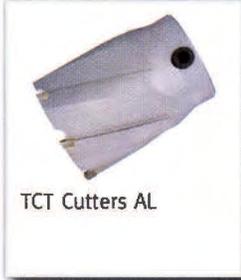
Cutters HSS-Co Eco suitable for FEIN



TCT-Cutters suitable for FEIN



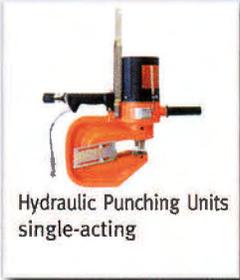
TCT-Cutters Weldon



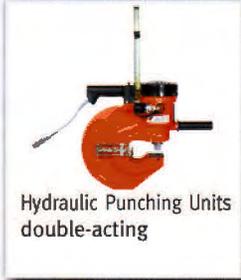
TCT Cutters AL



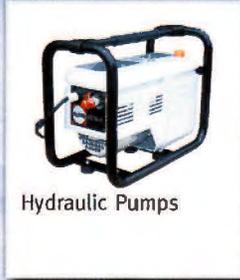
Adaptors/ Extensions



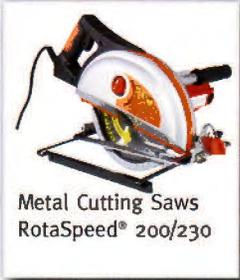
Hydraulic Punching Units single-acting



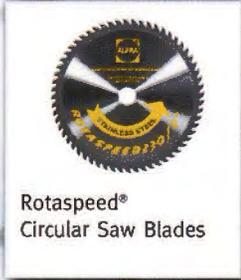
Hydraulic Punching Units double-acting



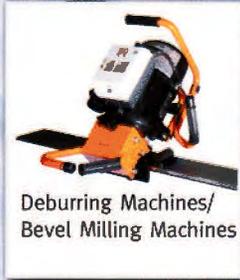
Hydraulic Pumps



Metal Cutting Saws RotaSpeed® 200/230



RotaSpeed® Circular Saw Blades

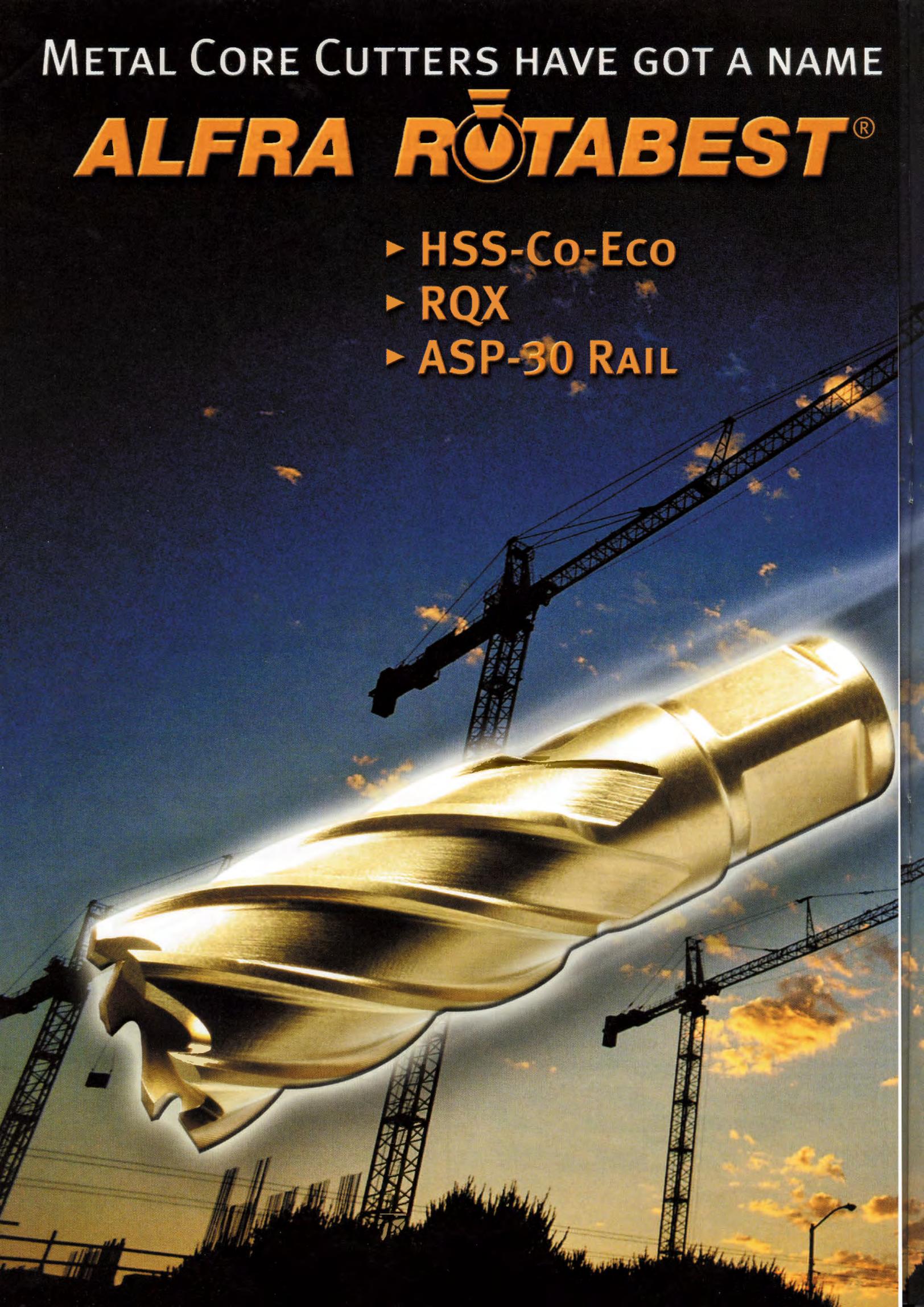


Deburring Machines/ Bevel Milling Machines

METAL CORE CUTTERS HAVE GOT A NAME

# ALFRA ROTABEST®

- ▶ HSS-Co-Eco
- ▶ RQX
- ▶ ASP-30 RAIL



**ALFRA ROTABEST®** MAGNETIC CORE DRILLING MACHINES +  
**ALFRA ROTABEST®** CUTTERS BELONG TOGETHER.  
 PERFECTLY TUNED WITH EACH OTHER.

MANUFACTURER'S COMPETENCE  
 25 YEARS OF EXPERIENCE

**Advantages of ALFRA ROTABEST HSS-Co Cutters**

- Design** Specially designed cutting geometry  
**Advantages**
- Immediate centering
  - No running off center
  - Good concentricity
  - Suitable for NC and CNC machines

- Design** Optimum regular chip break  
**Advantages**
- Smooth cutting
  - Excellent cutting capacity
  - Good chip production at each tooth
  - Regular chip flow

- Design** Minimum cross section of chip removing surface  
**Advantages**
- Easy cutting
  - Low torque
  - Minimum demand for energy

- Design** High tooth hardness due to optimum raw material and special heat treatment  
**Advantages**
- Long tool life
  - Also suitable for material difficult to cut

- Design** High toughness of cutter, specially graduated hardness  
**Advantages**
- Low risk of tool break, especially under rough working conditions

- Industrial scale manufacturing by state-of-the-art CNC technology
- Best reproducibility
  - Constant quality

