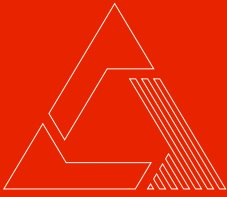


New | s

MaxiMill 251-RS

Stability matters –
particularly when milling 'exotic' materials



hard material matters

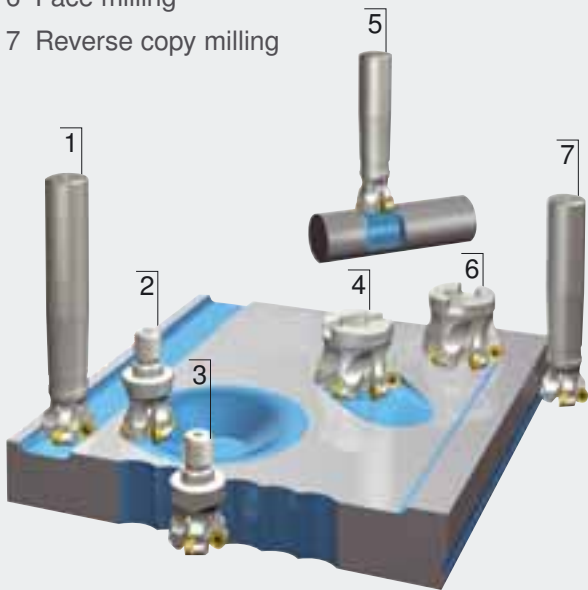
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hard material matters

MaxiMill 251-RS system

- 1 Slot milling
- 2 Profile milling
- 3 Plunge milling
- 4 Angled ramping
- 5 Turn milling
- 6 Face milling
- 7 Reverse copy milling



Industries

- Aerospace
- Power generation, turbine construction
- Tool and die construction
- General mechanical engineering

Materials

- High-tensile stainless steels
- Titanium alloys
- Super alloys
- Steel in general

Typical components

- Engine components, e.g. turbine blades
- Undercarriage components
- Structural components

RS – the extra-strong version



251-RS system

- Extra stable! 'Compact' design
- Chip pocket optimized for all materials
- Insert seat with indexing aid
- Power screw with Ø 40 mm
- **hard & tough** tool coating

RS – the product 'family'

A251-RS



C251-RS



G251-RS



The new chip groove



-M31

- Deeper 'dimple' to ensure perfect chip formation even at high feed rates
- Positive supporting chamfer to avoid edge chipping at low cutting forces
- 4 indexes to guarantee secure location
- Precision ground insert and 'Economy' insert

The new grades

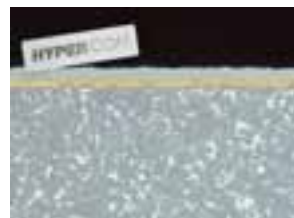
- Extraordinary heat resistance
- High toughness
- Excellent resistance to notching
- CVD high-performance coating with maximum hardness and extremely smooth surface
- Well-suited for dry machining

CTC5235



- High-tensile stainless steels
- Steel in general
- Super alloys
- Spheroidal cast iron

CTC5240

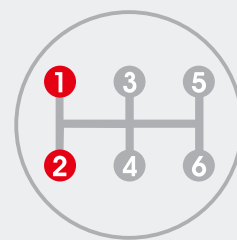


- Titanium alloys
- Super alloys

Application **advantages**

- First choice for problematic materials. Tested at the hardest conditions!
- Stable milling cutter + light cutting insert = reduced vibration
- Long tool life
20 – 100% improvement guaranteed, with optimum conditions an improvement up to 200% can be achieved
- Reduced machining time
+ 15 – 30% higher cutting speed, combined with maximum feed per tooth
- Maximum process security
 - Gradual wear
 - Predictable consistent tool life
 - Reduced risk of breakage
 - Scrap due to tool breakage virtually eliminated

CERATIZIT CORPORATE VALUES



- 1 The views and focus of our business partners matter
 - Instead of talking product with customers, we work on real solutions for business partners.
- 2 Innovative and flexible thinking matters
 - We have the power to challenge state-of-the-art technologies and the courage to develop intelligent alternatives.
 - Our speed of thought and decisive actions give us a leading edge.

New | s



hard material matters

CERATIZIT

More detailed information at www.ceratizit.com

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