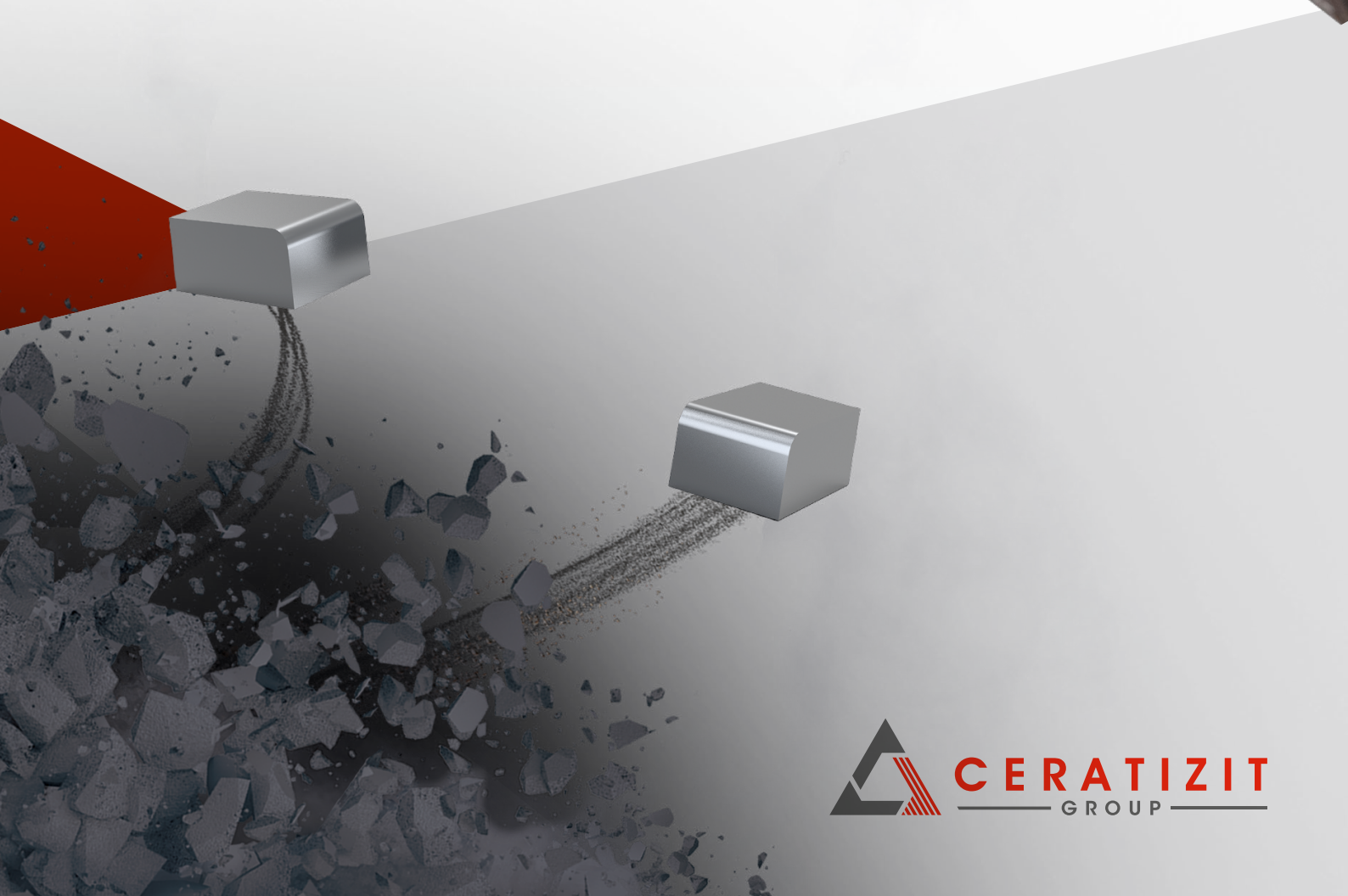


Hard Material Solutions

2024 EN

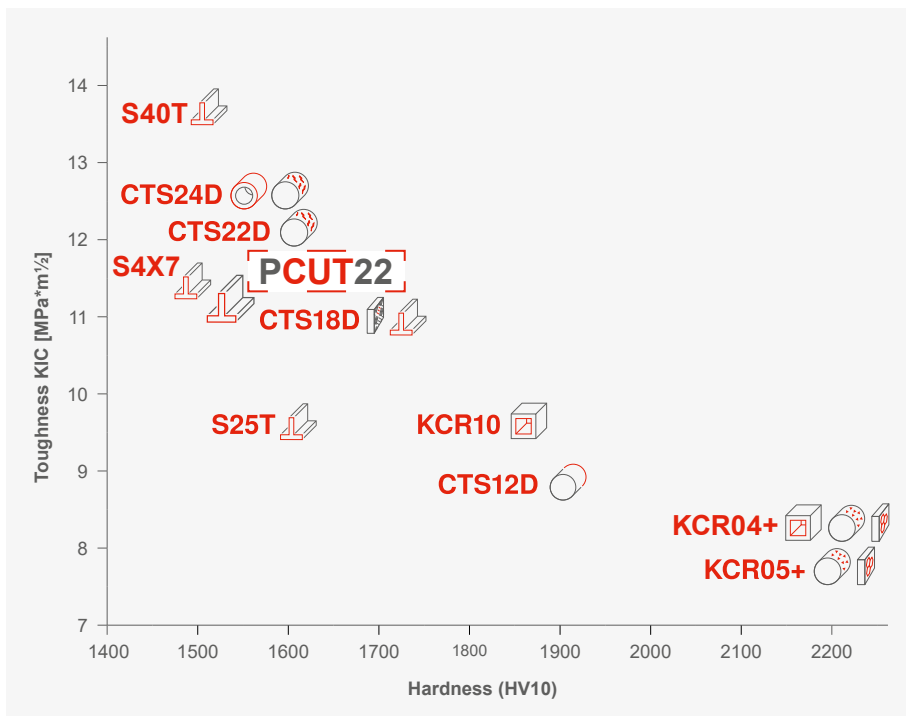
PCUT22

Higher performance
and lower footprint



Advantages of PCUT22

Our new high-performance grade **PCUT22** increases the lifetime of your saw blades for metal cutting. **PCUT22** offers you outstanding performance combined with better cutting quality thanks to its improved toughness-to-hardness ratio, high transverse rupture strength (TRS), and resistance to mechanical and thermal wear – even under difficult machining conditions. This carbide grade is part of our innovative P grade family. In addition, **PCUT22** offers reliability and premium performance at affordable prices.



+

PCUT22 (ISO P35/40)
BENEFITS

- ▲ High performance
- ▲ Reduced product carbon footprint (PCF* class B instead of E or lower)
- ▲ Recycling as an integrated part of the supply chain
- ▲ Excellent value for money
- ▲ Shock resistance

*PCF: Product Carbon Footprint is a product classification that can be integrated into any product data sheet or sales document. From mid-September 2023, the PCF classification will be visible to all customers who purchase CERATIZIT products with a PCF classification.



Titanium

Steel

Nickel alloy

Composite material

Cast iron

Non-ferrous aluminium

Abrasive material

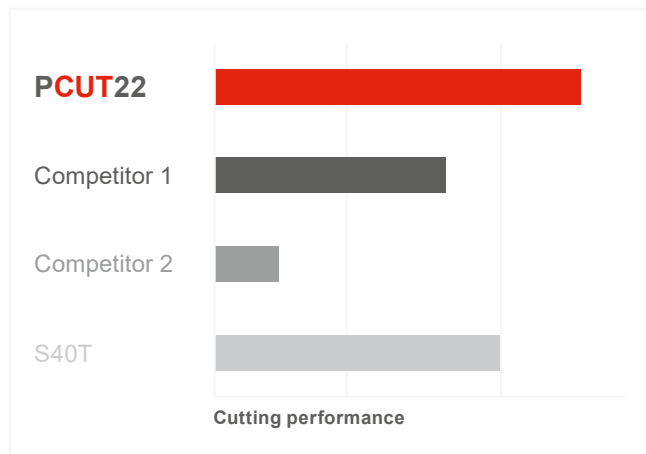
Stainless steel

CERATIZIT Grade Code	Binder [m %]	Grain size	Density	Hardness	Fracture toughness (K _{iC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
PCUT22	11	fine	13.15	HV10 1490 HRA 91.0	11.6	2800	



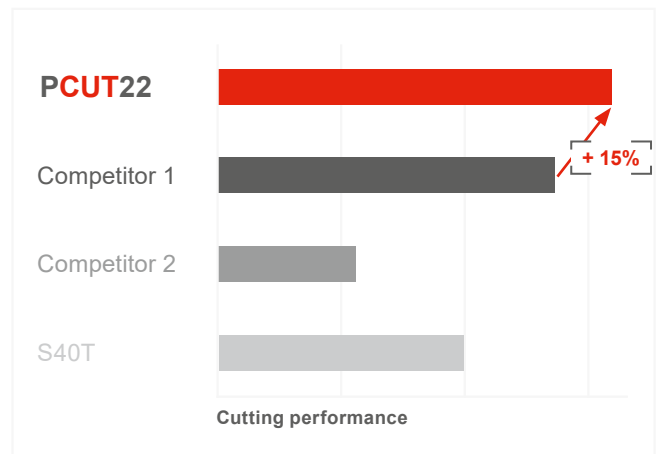
Cutting performance

Rotating single tooth tool
on "GROB G1050"



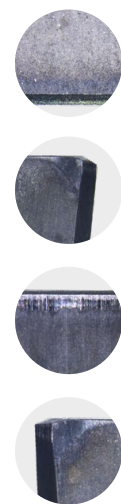
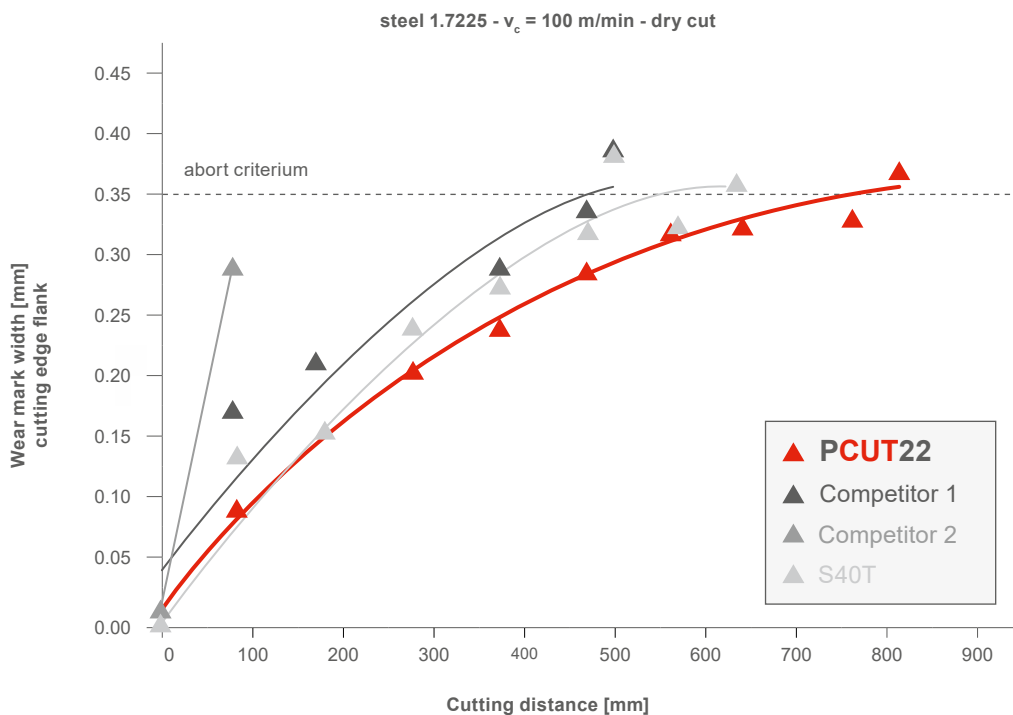
Single tooth lab test

Circular saw blade $\text{\O}350 \times 2,25/2,60 \times 50$ 100T
on "KASTO gripspeed C 10"



Sawing test

Single tooth lab test



V42.2.8b, $t_c = 42$ min

If you have further questions, our experts are available at any time.
hardmaterialsolutions@ceratizit.com

Headquarters

CERATIZIT S.A.
LU-8232 Mamer
T. +352 31 20 85-1
E. info@ceratizit.com
ceratizit.com

Sales Sites

CERATIZIT Hard Material Solutions S.à.r.l
LU-8232 Mamer
T. +352 31 20 85-1
E. hardmaterialsolutions@ceratizit.com

