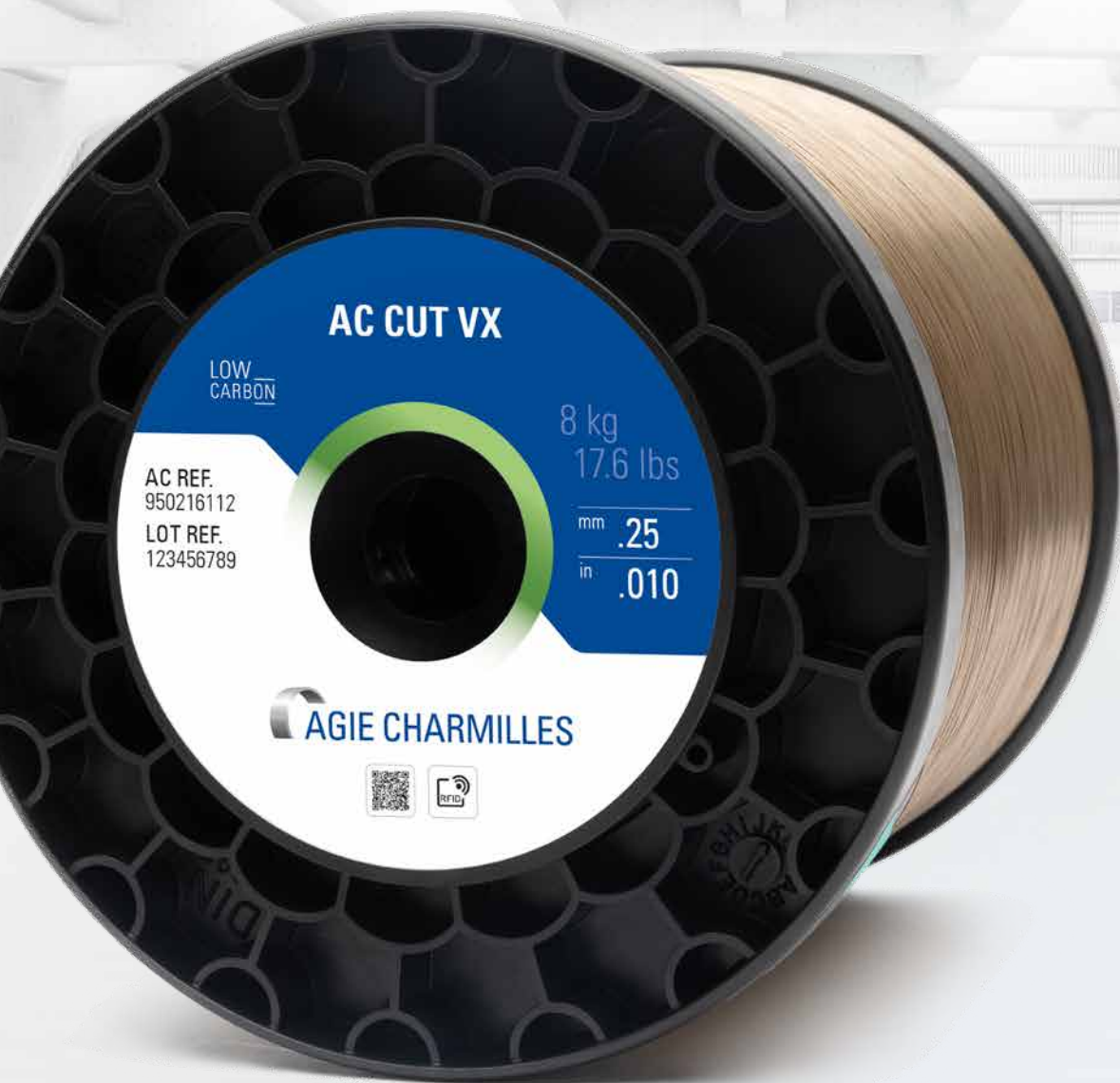


AC CUT VX 900

THE BENCHMARK WIRE TO MAXIMIZE YOUR PRODUCTIVITY



 **AGIE CHARMILLES**

A member of UNITED MACHINING SOLUTIONS

SPEED, STABILITY AND PRECISION. NO COMPROMISES.

To maximize your production output, you need not only maximum speed, but also high repeatability of results and guaranteed output quality to minimize scrap. AC Cut VX 900 has been specially developed by UNITED MACHINING to help you to reach higher productivity levels. In fact, it guarantees maximum speed, machining time reliability, target precision, target surface finish, and it minimizes maintenance-related downtime.

Low Carbon Wire

Designed to reduce the carbon footprint of EDM process, AC Cut VX 900 contributes to a more sustainable manufacturing process. By addressing the most emission-intensive steps of production, this wire reduces the carbon footprint by up to 65%, compared to conventional alternatives. Discover more on the website.

Performance & Speed

Up to 40% higher cutting speed than Brass wire and up to 20% speed gain vs Gamma wires.

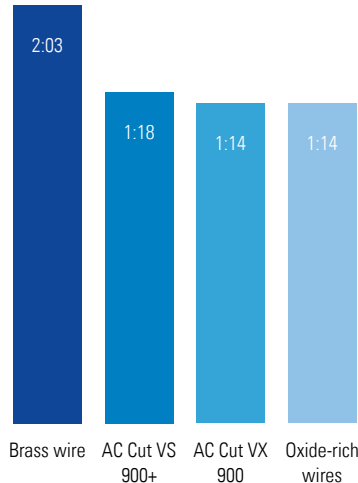
Reliability & Stability

The innovative coating ensures exceptional EDM process stability, resulting in highly repeatable machining times.

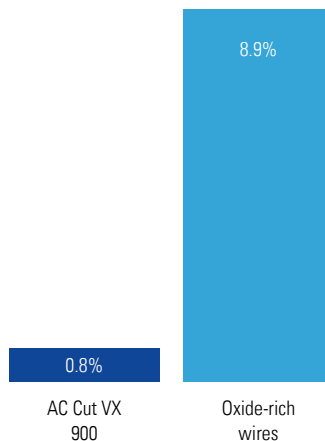
Precision & Compatibility

Guaranteed $Ra \leq 0.25$, $TKM \leq 5$. Fully compatible with the VS 900+ technology on UNITED MACHINING machines, incl. Turbo Tech.

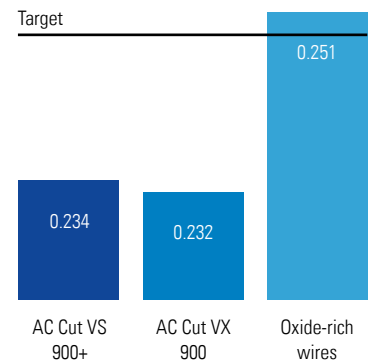
Machining time (hours) *



Machining time variability *
(Std deviation)



Rugosity (Ra) *
CUT P, 50 mm steel punch, VS 900+



* Please refer to cutting conditions described on the next page

Are you using brass wires?

Switch to AC Cut VX 900 and reduce your machining time by up to -40%. This typically results in up to +65% increase in production output.

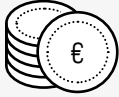
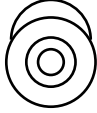
Are you using Gamma wires?

AC Cut VX 900 delivers up to 15% faster speed vs other Gamma wires, with even lower part cost—upgrade your performance without compromises.

Smart Wire

Enjoy the advantages of Smart Wire with AC Cut VX 900: automatic wire type and length check, and automatic job traceability.



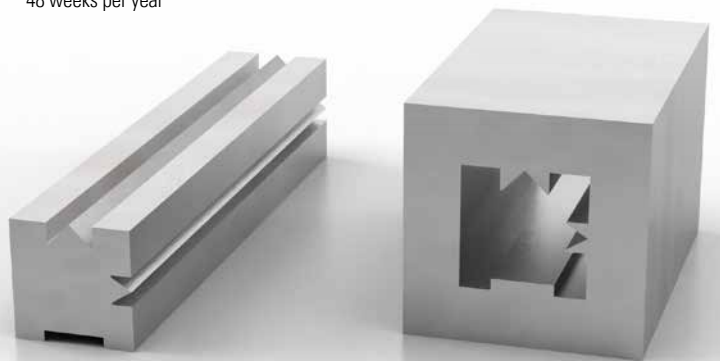
Comparative test	AC Brass LP 900 0.25 mm		AC Cut VX 900 0.25 mm	Benefit compared to brass wire	
Part production (per machine per year)	937 parts	↗	1545 parts	+65%	
Total part cost (incl. wire)	80.71 €	↘	51.20 €	-37%	
Machining time (per part)	123 minutes	↘	74 minutes	-40%	
Wire length (per part)	1218 meters	↘	778 meters	-36%	
Wire cost (per part)	5.37 €	→	5.45 €	+1%	

TEST CONDITIONS AND PROTOCOL

Part material	Steel 1.2379 / X153CrMoV12
Part height	50 mm
Part geometry	M punch (see picture)
Part roughness	Ra 0.24 µm
Flushing conditions	5 mm gap top and bottom
Machine	CUT P 550 Pro

COST CALCULATION ASSUMPTIONS

Total fixed costs per machine hour	37 €
Machine usage	8 hours per day 5 days per week 48 weeks per year



AVAILABLE ITEMS

	Ø 0.20 mm	Ø 0.25 mm	Ø 0.30 mm	package
K 125 (4 kg)	•	•	•	4 spools
K 160 (8 kg)	•	•	•	2 spools
K 200 (16 kg)	•	•	•	1 spool
K 250 (25 kg)	•	•	•	1 spool
JP 5 (5 kg)	•	•	•	4 spools
JP 10 (10 kg)	•	•	•	2 spools
JP 15 (20 kg)	•	•	•	1 spool

SPECIFICATIONS

Core	Brass 63/37
Coating	Patented Zn-based coating
Conductivity	25% IACS
Elongation	2%
Tensile strength	>780 N/mm ²



Agie Charmilles SA, Losone
Via Zandone 1 · 6616 Losone · Switzerland
Tel. +41 91 806 90 30
info@machining.com

Worldwide contact information can be found at
machining.com

