

A2C



**Diamond Coating for machining
of Graphites and Composites**

Our mission:

A2C is a unit dedicated to diamond coating and tools and inserts manufacturing in PCD and CBN for machining Graphite, Composite, Wood and abrasive materials.

Our means:



3 coating centers for tools and inserts:

- **Balzers** : for microcrystalline coating.
Capacity : \varnothing 1 to \varnothing 20 mm
- **SP3** : for nanocrystalline coating.
Capacity : \varnothing 0.2 to 20 mm
- **Cemecon** : for DLC and TiB2 coating

A park machines for the tools and inserts manufacture of polycrystalline PCD and CBN coating.

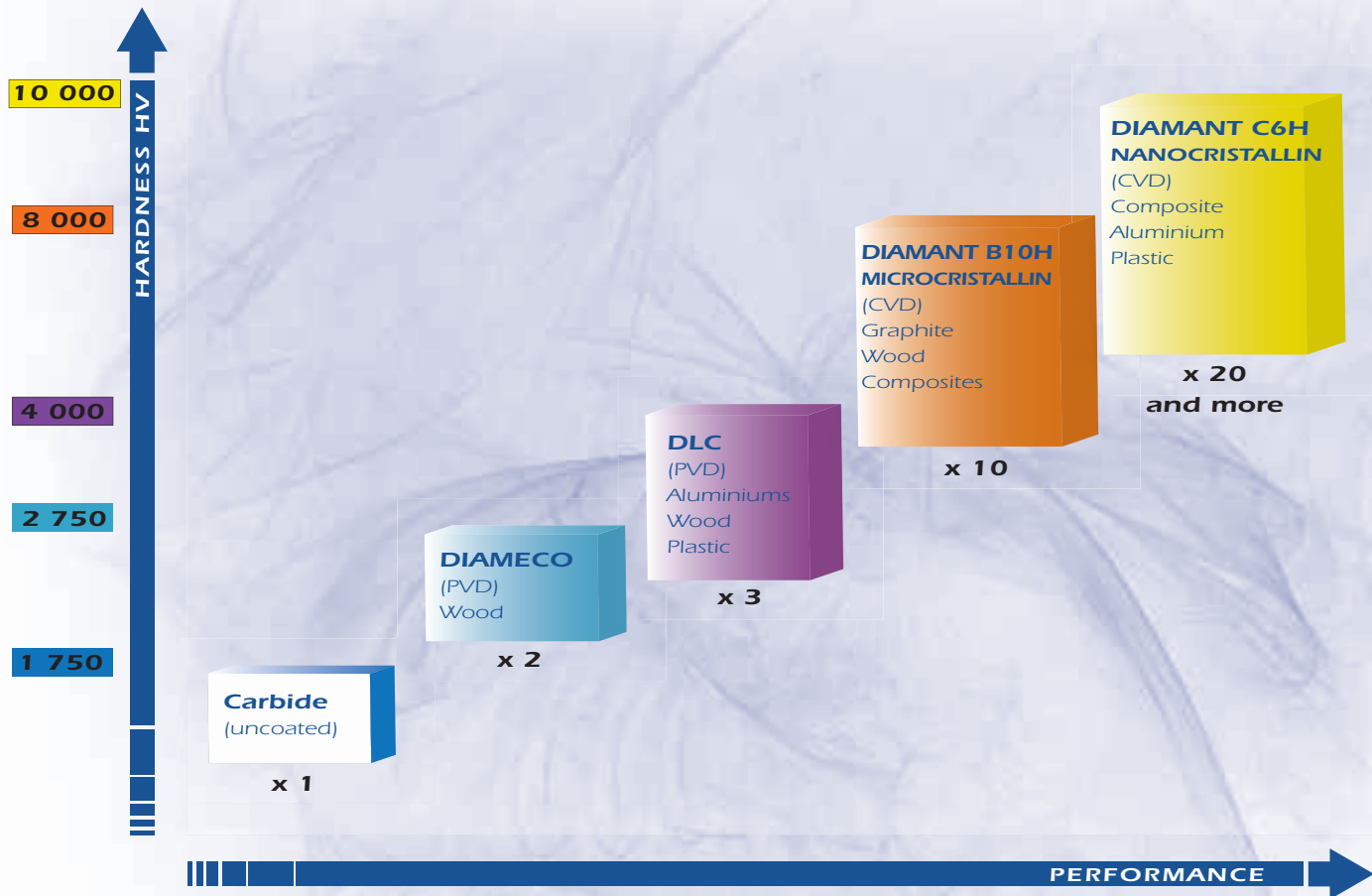
A team:

Technicians with an experience of over 20 years in the application of new PCD, CBN cutting materials and diamond coating.

A2C answers to the needs of industry:

- Coating of carbide tools and inserts
- Manufacture of tools and insets in PCD, CBN and carbide
- Grinding of small and large tool series in PCD, CBN, carbide and ceramics
- Development of new tools

Diamond Coatings CVD and PVD



Use of A2C coatings

Material	PCD	Diamond Coating		DLC Diameco
		Nanocrystalline C6H	Microcrystalline B10H	
Aluminium	X	X		X
Titane	X	X		
CFPR	X	X	X	
CFPR + Aluminium	X	X		
CFPR + Titane	X	X		
Honeycomb	X	X		
Wood	X	X	X	X
Graphite	X	X	X	
MMC	X		X	
Reinforced Graphite	X		X	

The tools with Micro or Nanocrystalline Diamond coating allow machining of:

- Graphite
- Reinforced composites
- CFRP GRP AFRP (Kevlar)
- Composites + Aluminium
- Titane
- Honeycomb
- Wood
- Plastic materials
- Abrasive materials



Tools used for:

- Aeronautics Industry
- Automotive Industry
- Machining of wood
- Precision engineering

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A2C Advanced Carbide Coating - 53, rue Jacques Prévert F 33700 Mérignac
Tél. : (33) 5 57 92 17 55 ▪ Fax : (33) 5 56 34 47 15 - <http://www.a2c-diamond-coating.com>
mail : jacques.gaillard@wanadoo.fr

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