

## A top solution for a top class vehicle

**Beyond doubt, the Aston Martin One-77 is a top class car and the ultimate expression of Aston Martin ingenuity. As part of its superior technology, a Oerlikon Metco surface solution was chosen for the engine cylinder bores.**



### **The Aston Martin One-77 – a spectacular automobile**

At the heart of this spectacular car is its high-performance engine. The 7.3 liter quad overhead camshaft V12 design employs a highly sophisticated thermal sprayed coating on the cylinder walls.

### **Thermal Spray Coatings**

The application of thermal sprayed coatings protect and enhance surfaces while increasing component performance and lifetime. The performance gains achieved using specialized thermal sprayed coatings on cylinder bores has convinced reputable engine manufacturers and racing teams.

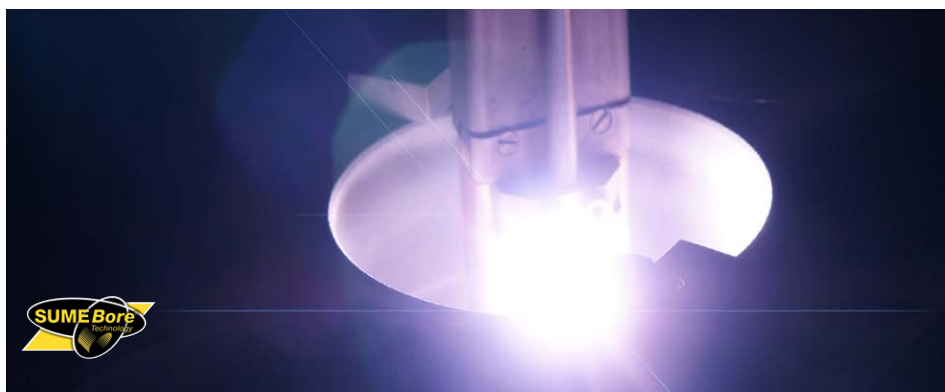


### The engine

The 7.3 liter V12 is a front mid-mounted, quad overhead camshaft engine with 12 cylinders (48 valves). It produces maximum power of 559 kW (750 BHP or 760 PS) and a maximum torque of 750 Nm (553 lb ft). Accelerating to 100 km/h (62 mph) in less than 3.7 s, the One-77 is the most powerful and fastest Aston Martin ever made.

### SUMEBore® coatings

Oerlikon Metco offers cylinder wall coatings to the market under its SUMEBore brand. These coatings have been proven by the automotive industry to reduce friction, increase cylinder bore life, help improve engine power output and contribute to engine weight reduction.



Information is subject to change without prior notice.