WIND TURBINE

Solutions for production and maintenance in the Wind Turbine industry.

Atlas Copco
Ever since we first set sail, man has tried to control the pure power of wind. Today, wind power is the world’s fastest growing energy source. Producing it and consuming it both include identifying potential energy savings. In order to increase the efficiency of the wind turbines, high demands are put on the design and the individual components. Fast delivery is a must, regardless if you need electricity or the tools to maintain a power plant. Innovation and productivity move things forward, no matter which way the wind will blow.

We are global – never far away. We believe in individual solutions. Atlas Copco – safe, high quality products that will increase your productivity.
Atlas Copco can offer the right high quality solution for any possible torque or tension application. We believe in the right product and the right offer.

**RAPID TORC WRENCHES**
Bring power, accuracy and safety to bolting applications.

**TENSOR NUTRUNNERS**
Flexible, powerful and torque control for any bolt tightening application.

**RTP NUTRUNNERS**
Slim, light and powerful for heavy duty bolting.

**TENTEC TENSIONERS**
Complete range of hydraulic bolt-tightening solutions.
MOUNTING OF THE GEAR BOX in the nacelle. Tensor Revo tighten 32 thread rods, M33, to 1500 Nm in controlled manner. This electric tool solution reduce noise and vibrations, and it gives a fast and accurate assembly of the gear box.

WIND TURBINE FOUNDATION. 20 sets of the versatile Tentec Aero WTF tensioners were used together with high pressure hoses and hydraulic tensioner pumps to have a productive rise of this wind turbine tower. In this case the wind tower base was held by two sets of bolts – M42 and M160.

**APPLICATION GUIDE – BOLTING**

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Long process cycles place high demands on tools and operators. Use ergonomic tools with high power-to-weight ratio that are built to last.

**GTG SANDERS**
Productive, unique and compact sander with an oil-free turbine motor generating 2.5kW.

**CIRCULAR CUTTERS**
LCS38 for GRP cutting applications or regular LSV38 with a diamond cutting kit.

**DIE GRINDER**
LSF 19 is comes with a powerful 500 W air motor and speed governor, silencer and scatter dampening. Can also be equipped with dust extraction and diamond burr.

**LSV SANDERS**
Light weight sander with outstanding power-to-weight ratio and a lubrication free vane motor.
**APPLICATION GUIDE – MATERIAL REMOVAL**

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| Surface preparation of rotor blades and canopy before painting | GTG25 Angle Turbine grinder  
LSV48/38 Angle grinders  
LST/LSO Orbital sanders | Dust extraction kit, multiflex, hoses                        |
| Polishing of turbine blades                           | LSV28 Angle polisher                                        |                                                             |
| Trimming of rotor blades                              | LSV48/38 Angled grinders for GRP cutting  
LCS38 Circular cutter  
LCS10 Circular cutter | Diamond cutting kit, multiflex, hoses                        |
| Remove internal defects in rotor blades               | LSV48/38 Angled grinders for GRP cutting  
LCS38 Circular cutter  
LCS10 Circular cutter  
LSF19, LSV19 Die grinder / Angled Die grinder  
LSF12, LSV12 Die grinder / Angled Die grinder | Diamond cutting kit, diamond burr/drum kit, multiflex. Hoses |
| Remove small surface defects on rotor blades          | LSV19 Angle sander  
LSV12 Angle sander                                           | Dust extraction kit, multiflex, hoses                        |
| Cleaning of large castings for the hub or nacelle bed plate | GTG40/25 Turbine Angle grinders  
GTR40 Turbine Straight Grinder  
LSS84/64 Vertical grinders  
LSR64 Straight grinder  
LSV48/38 Angle grinder  
LSF38 Die grinder  
LSS53 Vertical grinder  
LSR48/43/38 Straight grinders | MultiFlex, hoses and coupling                                |
| Tower construction                                    | GTG40/25 Turbine Angle grinders  
LSV48/38 Angle grinder  
LSV28 Angle grinder  
LSF28 Die grinder | MultiFlex, hoses and coupling                                |
| Shape grinding and light deburring                    | LSF19, LSV19 Die grinder / Angle grinder  
LSF12, LSV12 Die grinder / Angle Die grinder  
LSF07 High speed Pencil grinder | MultiFlex, hoses and coupling                                |
COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand a test of time. This is what we call – Sustainable Productivity.

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