Wind Power is a green technology that will potentially change the World’s future energy requirements. Ingersoll is working at the forefront of this industry supporting wind turbine manufacturers with state-of-the-art cutting tools used to machine critical components.
Ingersoll contributes to the supply of green energy through its vast experience and specialized technology that enables wind turbine producers to efficiently and productively manufacture machined components for wind turbines.

Ingersoll delivers remarkable cutting tools and production solutions that are utilized in the manufacture of Tower Flanges, Main Shafts, Bearing Housings and Hubs as well as all the peripheral components.

Ingersoll provides total tooling solutions for heavy turning, milling and drilling to improve productivity and cut the cost of production with its machining specialists that will fulfill your machining demands.
How the Wind Turbine works

Inflow of wind

Main Parts

Hub  Main Frame  Tower Flange  Gear  Main Shaft  Bearing Housing  Additional Components

A Rotor Hub  B Blades  C Main Shaft  D Gearbox  E Generator
Ingersoll manufactures tailor made cutters that can deliver higher productivity and efficiency considering machine power & work piece shape.

Double sided Quad Inserts with 8 cutting edges increase productivity with its fine pitch cutter that is designed to deliver high feed rates as well as economic benefits from having 8 cutting edges.

High Feed Drilling Solutions

Double Productivity with Combination Drill
Main Frame

Milling Solutions

HI-POSEKA™

EVO-TEC™

20 degree lead with TEN Profit Making Edges!

Drilling Solutions

QUAD-DRILL™

QWIK-TWIST™
**Tower Flange**

**Heavy Turning Solutions**
Ingersoll has developed suitable inserts with chip breakers and special coatings for each individual workpiece cutting condition that can reduce cutting force and extend tool life and realize the stable working & cutting conditions.

- CNMM 64x, 86x HY
- SNMM 64x, 86x HY
- CNMM 64x, 86x HT
- SNMM 64x, 86x HT

**Drilling Solutions**

- QWIK-REAM
- QWIK-TOIST
- SPLIT/SHLT

Double the holes, Double the productivity
Gear

Heavy Turning, Grooving, Gear Cutting, Drilling & Reaming Solutions
Main Shaft

Heavy Rough & Finish Turning Solutions

Drilling Solutions

CNMM 64x, 86x HT  CNMM 64x, 86x HY

HNMG

SPLT/SHLT

Total Machining Solutions for the Wind Power Industry
Double sided inserts with 10 profit making cutting edges increase productivity and reduce cost.

Boring Solutions

TCGW KB90 CBN

SNMG

10
8
6
4
2
1
3
7
5

Roughing
Finishing
Additional Wind Power Components

Moment Plate  Pin Boss  Cylinder Eye  Coupling Plate
Total Machining Solutions for the Wind Power Industry

Ingersoll Cutting Tools for the Americas

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