

WIND POWER

I N D U S T R Y



Total Machining Solutions for the Wind Power Industry

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.





Green Power

Green Metalworking Solutions for the Wind Power Industry

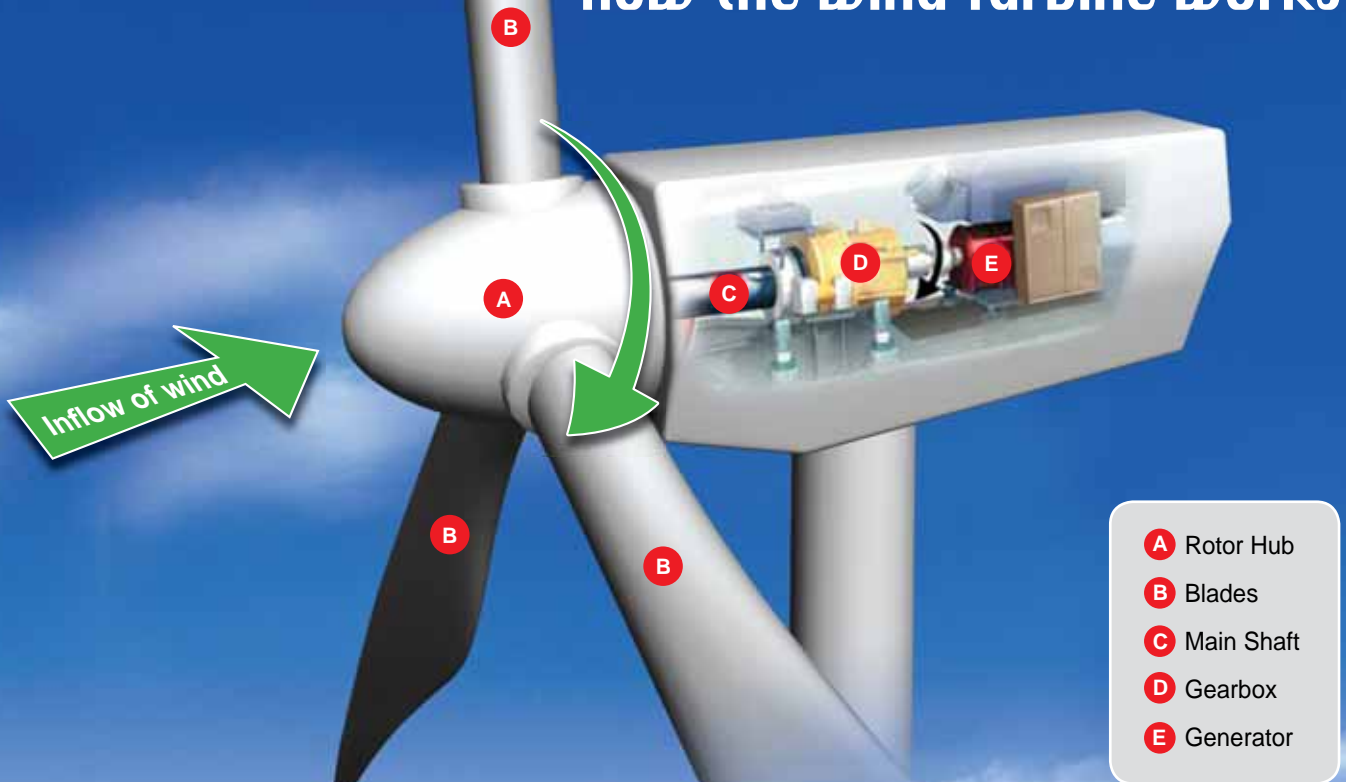
Ingersoll contributes to the supply of green energy through its vast experience and specialized technology that enables wind turbine producers to efficiently and productively manufacture machined components for wind turbines.

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 fulfil your machining demands.



How the Wind Turbine works



Main Parts



Hub



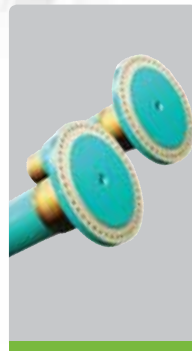
Main
Frame



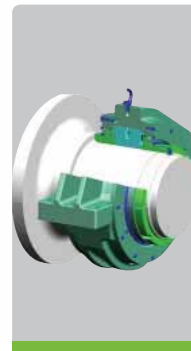
Tower
Flange



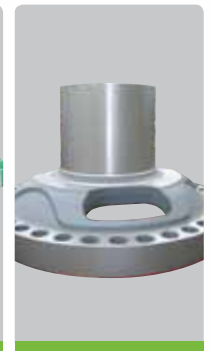
Gear



Main
Shaft



Bearing
Housing



Additional
Components



Hub



Most Economical

Highly Productive Milling Solutions

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.

ISOPLUS



SNGU

VO-MAX™



NNE



Tailor Made Cutters

Ingersoll manufactures tailor made cutters that can deliver higher productivity and efficiency considering machine power & work piece shape

HI-POST™



High Feed Drilling Solutions

Double Productivity with Combination Drill



QUADODRILL+™

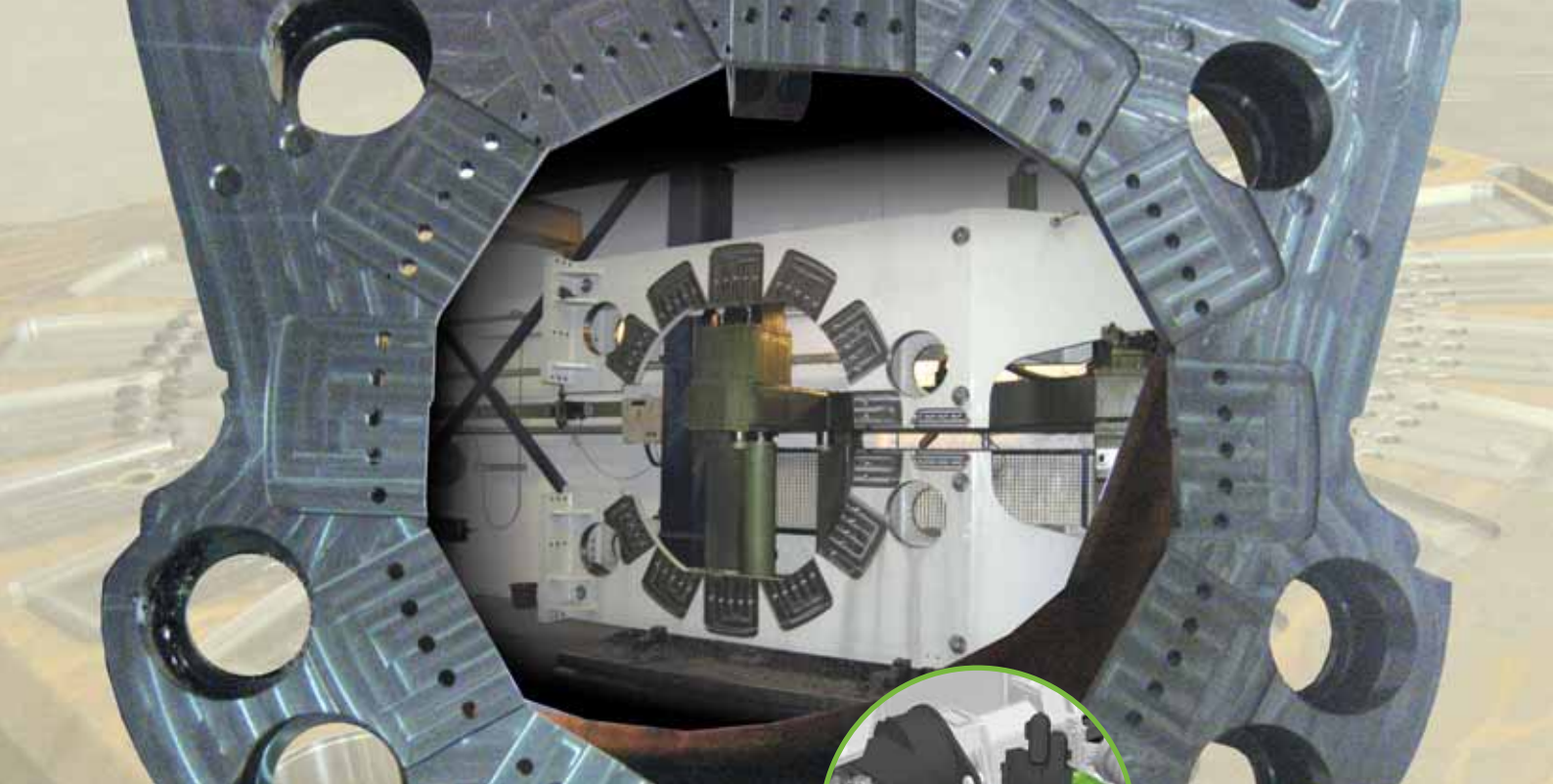


SPLT/SHLT



S MAX™





Main Frame

Milling Solutions

EVO•TEC™

HI•POSDEKA™



Drilling Solutions

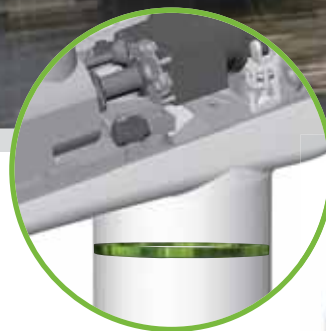


QUAD•DRILL+™

QWIK•TWIST™

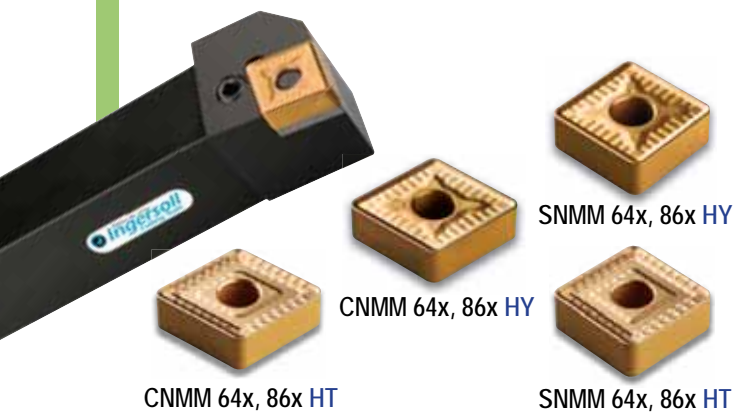


Tower Flange



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.



Drilling Solutions



QWIKOREAM™

QWIKOTWIST™



SPLT/SHLT

**Double the holes,
Double the
productivity**



QUADODRILL+™





Gear

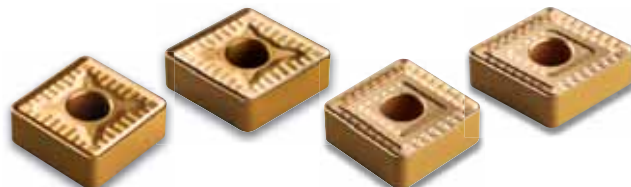


QWIK TWIST™

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

CNMM 64x, 86x HY

CNMM 64x, 86x HT



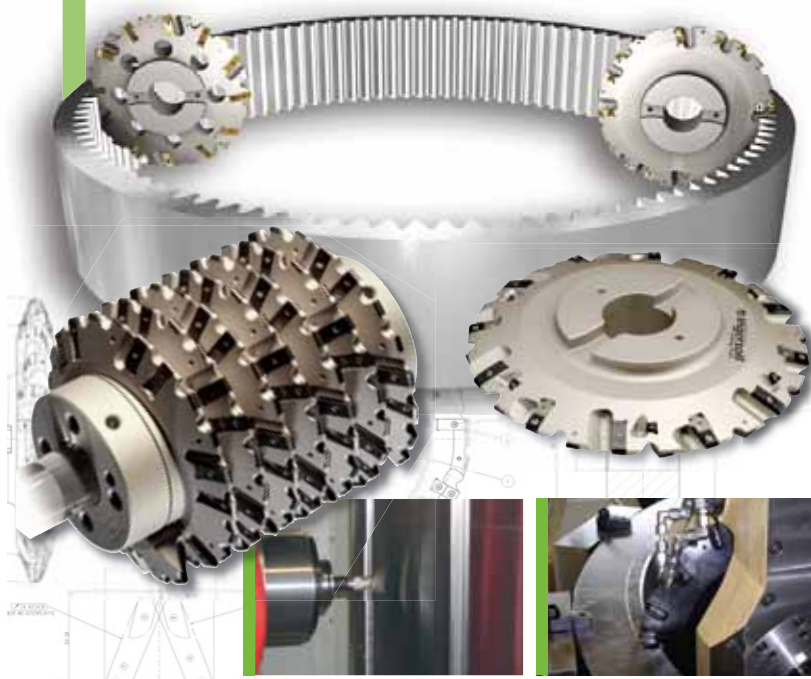
SNMM 64x, 86x HY

SNMM 64x, 86x HT

HEX TURN™



TOCLAMP™





Main Shaft



Heavy Rough &
Finish Turning Solutions



Drilling Solutions





Bearing Housing

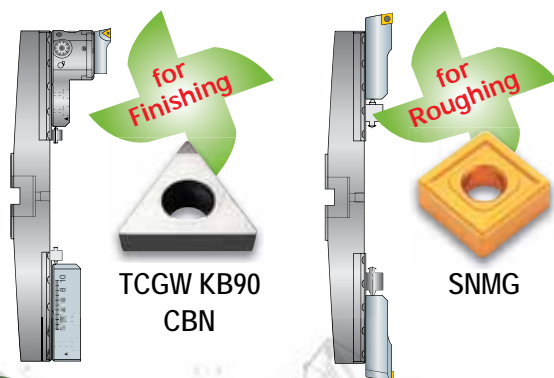
Milling Solutions

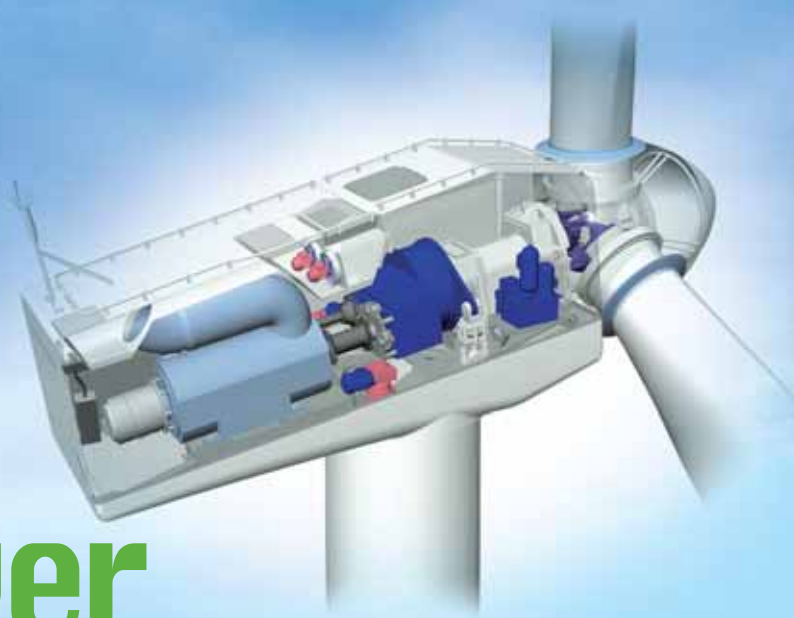
Double sided inserts with 10 profit making cutting edges increase productivity and reduce cost.

HI-POSDEKA™



Boring Solutions

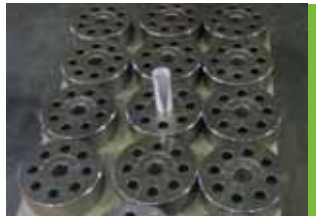




Additional Wind Power Components



Moment Plate



Pin Boss



Cylinder Eye



Coupling Plate





Image Source: Courtesy of Vestas Wind Systems A/S



Hydraulic Holder



Blade



Hydraulic Block





Total Machining Solutions for the Wind Power Industry

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