

Member IMC Group
Ingersoll
Cutting Tools

INGERSOLL
CUTTING TOOLS

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INGERSOLL CUTTING TOOLS THE COMPANY



INGERSOLL CUTTING TOOLS - THE COMPANY

Ingersoll Cutting Tools is a world leader in the design and manufacture of both standard and special indexable cutting tools for a complete range of metal removal applications.

In addition to innovative solutions for high-performance milling and the project-focused engineering of special cutting tool solutions, we offer a full range of metal removal technology for all industries.

The close cooperation with our customers during the development of technically demanding solutions for machining challenges forms the basis of long and durable partnerships. Our customers have come to trust our professional qualifications and experience and profit from the reliability and quality of our cutting tools.



**STANDARD
 PROGRAM**



STANDARD PLUS - EXPANDING THE RANGE

Ingersoll's standards program is composed of a broad and established range of cutting tools, suitable for a comprehensive range of metal removal applications.

with our own demand for quality, functionality and innovation, guarantees our customers the optimum cutting tool solution - for individual machining tasks in all industries.

This range of cutting tools is continuously expanded: End mills, shell mills, face mills, slotting cutters, form milling cutters, indexable drills, solid carbide, adaptions, and indexable inserts. With a complete line of turning and engraving tools we can now offer our customers a new family of products, expanding our capabilities as a full-range supplier. The development and production of special-purpose tooling according to customer-specific requirements is one of Ingersoll Cutting Tools' primary skill sets. Our know-how and experience, combined



Ingersoll Cutting Tools offers an extensive standard program of indexable and solid carbide cutting tools.



DRILLING
SOLID CARBIDE



DRILLING & SOLID CARBIDE TOOLS - EXPANDING OUR CAPABILITIES

For Ingersoll, the expansion of our drilling and solid carbide tools product range is a further step toward becoming your single-source supplier for cutting operations.

Both of these product lines are state-of-the-art and offer outstanding precision and process reliability. Our Quad-Drills with 4-edged inserts and an internal twisted coolant holes provide a high degree of stiffness.

One of the flagship products in our solid carbide tool line is the Chip-Surfer series. It offers a phenomenal range of indexable solid carbide heads that can be quickly changed right in the machine.

Ingersoll's ROUNDline is the latest addition to our solid carbide offering.



The Ingersoll Chip-Surfer series: Due to easy indexability of the solid carbide heads, several geometries can be applied with only one adaption.



Ingersoll's ROUNDline is the latest addition to our solid carbide offering

TURNING, GROOVING THREAD CUTTING



TURNING, GROOVING - THREAD CUTTING

Ingersoll Cutting Tools offers you a complete range of non-rotating precision tools.

Whether ISO-turning, grooving or threading - you can rely on the quality and durability of our non-rotating products. With our wide range of insert grades, chipbreakers and geometries, we are well-equipped for the future for heavy-duty machining as well. Each day, we are faced with more and more difficult-to-machine materials. For these challenging operations, Ingersoll is your partner for optimization of your production processes.



AUTOMOTIVE INDUSTRY



AUTOMOTIVE INDUSTRY

For many years cutting tools from Ingersoll have been important components in the manufacturing processes of leading automotive manufacturers and their suppliers.

Whether for engine blocks, crankshafts, chassis, driving gears or any other component in the automotive industry - Ingersoll develops, manufactures and supplies high-performance cutting tools which guarantee economical and reliable machining. We guarantee continuous technological development as well as close attention to our customers needs such as flexible production and machining Compacted Graphite Iron (CGI) and aluminum.



Machining of cylinder crank cases



Production processes in crankshaft machining



Machining of steering knuckles

RAIL MACHINING



RAIL INDUSTRY

Ingersoll is a reliable world-wide partner with when it comes to milling rails.

The complex special-purpose cutting tools for machining rails must meet special requirements. With Ingersoll's tangential insert configurations, we offer fundamental advantages. In addition, our large selection of special-purpose and standard milling cutters along with a comprehensive range of cutting geometries and grades provide the tools you need to address your most challenging applications.



AEROSPACE
AEROSPACE



AIRCRAFT AND AEROSPACE

The aircraft and aerospace industry gains more and more importance in the area of passenger and freight transport. Ingersoll has been operating in this expanding market for many years.

In close cooperation with our customers in the aircraft and aerospace industry, we develop solutions to suit the applications required to machine turbine parts, aluminum parts and much more. We develop and design optimum cutting tool solutions with cutting materials engineered for an entire range of materials and components.



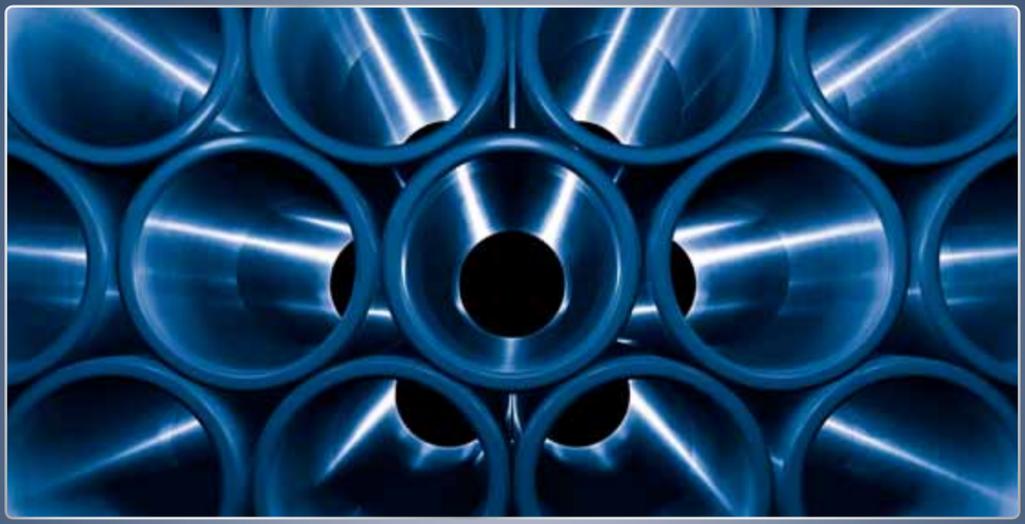
MARINE INDUSTRY
OFFSHORE INDUSTRY



MARINE & OFFSHORE INDUSTRY

Marine and offshore industry - rigid machining together with high precision is required. For decades, Ingersoll has been expert in this area. Complex workpieces in the marine industry require an enormous amount of experience with the development and production of cutting tools.

This is also true for weld preparation in the offshore industry. Weld preparation is the basis for a high-quality weld seam which ensures the stability of the workpiece. In close cooperation with our customers, we develop cutting tool concepts tailor-made for each individual application.



GEAR PRODUCTION



DRIVE GEAR AND FLUID TECHNOLOGY

The rapid growth in the "drive gear technology" and "fluid technology" industry sectors requires absolute flexibility with regard to the engineering and design of special-purpose cutting tools as well as a significant reduction of development times.

The highest levels of quality and precision are critical in the manufacturing of gears and gear components. Ingersoll has the necessary engineering skills and experience to meet these exacting requirements. Moreover, as in all other areas, we point the way to the future by practical experience, innovative know-how and constant development.



Ingersoll-solutions for the area of gear cutting and compressor production - take advantage of our experience.

MOLD & DIE PRODUCTION



MOLD AND DIE PRODUCTION

Changes caused by continuous improvement? Production times constantly shortened? Mold and die designs becoming more complex? The Mold & Die industry continues to grow and change.

This requires a very high level of flexibility, innovation and extremely short lead times in the production of a form or a die.

With our innovative high-feed and contour tooling, economic processing strategies, we are a reliable and experienced die/mold tooling partner. From the selection of the best tools to the use of the machine and operating parameters we offer our customers the all-in-one service



Ingersoll - Application in mold and die production. Innovative engineering for your bottom line.

INGERSOLL WORLDWIDE



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Ingersoll is a worldwide manufacturer of milling, boring, threading and turning tools for demanding machining operations.

Our main production plants in Rockford, Illinois and Haiger and Horrheim in Germany, supply customers all over the world. Experienced and well-trained representatives in over 45 countries ensure a network of on-site advice and assistance. Ingersoll's complete range of performance and service is available to our customers – all over the world.



Marketing & Technology Campus Rockford (USA)



Marketing & Technology Campus Haiger (Germany)

Cutting Tools for the Americas

Marketing & Technology Center

845 S. Lyford Road
Rockford, IL 61108-2749 U.S.A.
Tel: 815.387.6600
Fax: 815.387.6968
Email: info@ingersoll-imc.com
Internet: www.ingersoll-imc.com

Ingersoll Cutting Tools Canada

845 S. Lyford Road
Rockford, IL 61108-2749 U.S.A.
Tel: 800.892.6859
Fax: 815.227.6010

Ingersoll Cutting Tools de México S.A. de C.V.

Blvd. Cuauhtemoc, Num 2411, Locales 6 y 7
Esquina Calle Manuel Perez Treviño
Fracc. Residencial los Pinos
Saltillo, Coahuila C.P. 25198, México
Tel: (844) 485.3208, (844) 485.3220

Ingersoll Cutting Tools for Europe

Marketing & Technology Center

Ingersoll Werkzeuge GmbH
Kalteiche-Ring 21-25
35708 Haiger, Germany
Tel: 02773.742 0
Fax: 02773.742 812/814
Email: info@ingersoll-imc.de
Internet: www.ingersoll-imc.de

