Business 4.0

The New INDUSTRY 4.0 Way to Connect with ISCAR

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ISCAR offers several INDUSTRY 4.0 standard digital tools which enable accessing data and making machining calculations easy and readily available.

Download ISCAR's best cutting tool recommendations and cutting data from anywhere and at any time. The ISCAR Tool Advisor (ITA) will automatically calculate the preferred cutting tools for the job. All that you have to do is enter a few machining parameters.

The ITA is an INDUSTRY 4.0 standard and is a user-friendly, cyber-based tool selection software that uses a unique mathematical algorithm. The tool selection process maximizes productivity and is based on objective technical data as opposed to an intuitive method of search. For this fourth industrial revolution, it is the optimal tool advisor based on application parameters and available machine power. It works in conjunction with ISCAR's electronic catalog, from where the tool parameters are accessed and used for continuing machine processing. The ITA also includes sub-applications such as Machining Power, Grades and Chipformer selection tools.

ISCAR's tool advisor reduces tooling scenarios while accounting for cutting conditions, workpiece material, machine power and metal removal rates. The ITA places emphasis on customer profitability while assuring the right method of tool search for any application. To receive quick results, users need to enter only a few mandatory fields (2 to 6). For more detailed data, users can complete additional detailed fields specifying machine parameters, tool diameters, tool type and workpiece material. The calculations will present the three most recommended tool selection results. Up to 24 additional tool recommendations will be available. The results include tool details, insert details, cutting conditions, power, metal removal rate and cutting time. ITA supports both inch and metric platforms and supports 25 different languages.

Users may navigate to ISCAR ITA while using ***www.iscar.com*** or a direct link: ***ISCAR ITA***.

In addition to ITA, ISCAR's Complete Machining Solutions electronic catalog is a search engine with multi-tasking capabilities. It enables fast searching for all ISCAR tools and inserts and shows parametric values alongside technical specifications. The electronic catalog is constantly updated and provides users with the very latest guide information.

ISCAR's new MATRIX is an additional Industry 4.0 tool management system to control inventory, streamline purchasing and drive down costs. It combines the most innovative automated tool dispenser with MATRIX-TM, a powerful management software program.

The ISCAR electronic catalog displays 2D and 3D tool models, pictures and links to product videos. It also provides an anti-collision and verification tool path for CAD-CAM users. The ITA software is available free of charge, 24 hours a day, 7 days a week, with a direct connection to an ITA support team member.

To connect with the ITA software, click on ***www.iscar.com*** or use the direct link: ***ISCAR ITA***.

To meet the growing standards of the INDUSTRY 4.0 era, ISCAR has launched additional apps aside from the ITA, to assist its many users in their daily routines of metal cutting. ISCAR is present on the Machining Cloud application where cutting tool assemblies can be built quickly and easily. The IQ Cloud is available through the Machining Cloud application and is designed for desktop computers and popular tablets. The ISCAR IQ Cloud enables programmers to build and download 3D assembly models for CAD-CAM users. The Tool Selector section of the application provides users with a method of selecting cutting tools from a tree structure using either a hierarchy or parametric search.

ISCAR's Catalog Application offers many hundreds of technical pages and user guide information, which appear in the main ISCAR hard copy catalogs and are available for downloading from the App Store or Google Play. The electronic catalog pages feature the same interface used in the paper catalogs, with an additional search method for users who seek online or offline catalog-related information.

"Industrealize" is an added INDUSTRY 4.0 feature on the ISCAR website. Industrealize provides explanations and illustrative animations which depict industry-oriented metalworking processes in a vivid and descriptive manner. The Industrealize section shows popular metalworking applications for many industry sectors such as automotive, aerospace, die & mold, oil & gas, medical and many more industries associated with metal cutting. The Industrealize section also recommends the best tools for each application type. To learn more, click on ***www.iscar.com*** or use the direct link: ***Industrealize***.

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MATRIX combines the most innovative automated tool dispenser with MATRIX-TM, a powerful management software program. Access to an item stored in MATRIX's locked bins is electronically controlled by the management software, according to pre-defined authorizations. Flexibility is the key to any storage solution and MATRIX excels. Modular drawer and bin configurations can be exchanged for different bins, giving the user an infinite number of drawer configurations. Add-on cabinets for additional space may be connected with a click of a cable. Multiple cabinets can be deployed in different locations and networked to run from one common database.

This system is truly modular and comes in different sizes and configurations, with the possibility to grow as your needs change. MATRIX technology includes: *Patented locking system, *Touchscreen, *Plug & play "smart" electronics, *Ergonomic design and *Remote diagnostics. To learn more click on *www.iscar.com*.

ISCAR is always developing additional technical applications which will continue to assist and simplify metalworking with ISCAR tools.

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