



INGERSOLL PERFORMANCE ADVISOR USER GUIDE



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#### 1. Introduction

## 1.1 Ingersoll Performance Advisor Overview

The new IPA web app offers a wide range of functions, recommendations, and outputs to support the customer's needs for operating machining centers, Lathes, Swiss-Type Machines, Multi Spindles / Automatics, and for multitasking machinists, technologists and CAD/CAM designers. IPA features advanced Al and Big Data analytics using machine learning engine to support Ingersoll customers and salesforce teams to contend with the most complicated machining tasks and challenges while assuring highly advanced machining and tooling technological recommendations.

### 1.2 Ingersoll Performance Advisor Structure

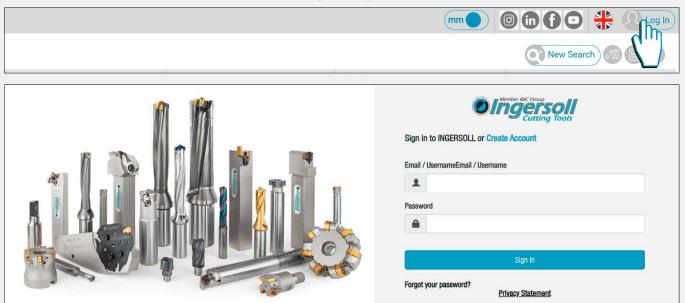
IPA comprises five main tabs: Machine, Material, Application, Operation data and Results.

#### 2. Header Overview

## 2.1 Login

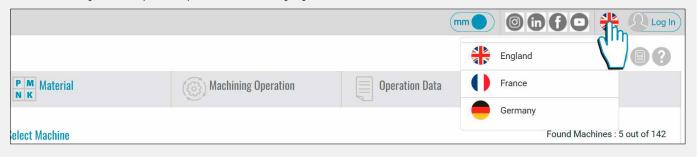
## Registered users will be able to:

- Add and save own machines and raw materials in the IPA new "My Machines "&"My Materials" cloud storage.
- Create & save tool assemblies in the IPA with automatic forwarding to the Ingersoll online store.



#### 2.2. Settings

• Click on the flag icon will open the option to choose a language:



• Option to choose units: Metric or Inch





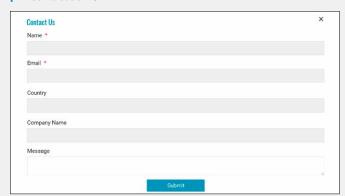


#### 2.3 Help Section

Clicking on the "Help" icon (?) opens a menu with three options: Contact us, Feedback and User manual.



#### A "Contact us" form:



#### A short "Feedback" form:



#### 2.4 Calculators

Under the "Calculators" icon, there is a sub-menu with links to technical support software and apps.



# 2.5 E-Catalog link



#### 2.6 "New Search" Button

Click on the "New Search" button will reset all data and restart the software.



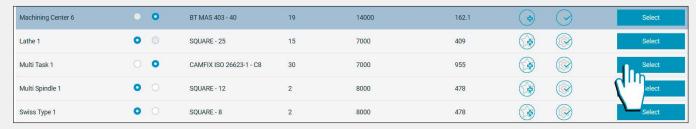


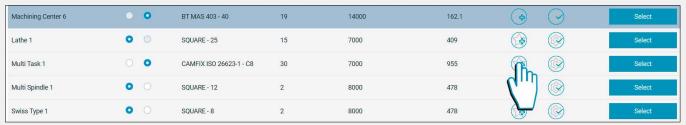


## 3. Main Software Section

#### 3.1 "Machine" Tab

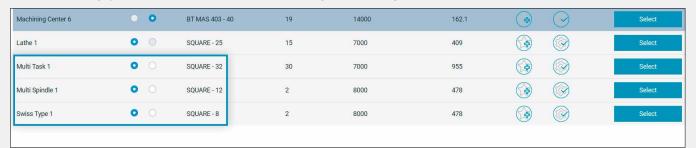
- Select a machine by clicking "Select" button.
- Please notice that "Machining Center 6" has been chosen as a default machine.
- Another option is to proceed to "Material" tab with this default machine.
- If you click on view all machines, you can select machines from our TechCenter.
- Search field is available. Insert an input and click "enter" to search for a specific machine.
- As a registered user, you can define your own machine and save it to your personal "My Machines" place.



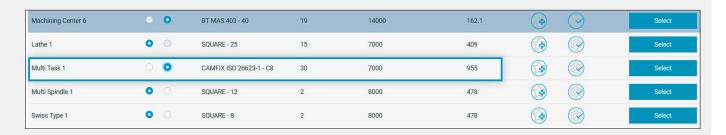




Define the leading spindle for multi-function machines for rotating or non-rotating tools:



- By default, five machines are presented. To view all machines, select "View All Machines" on the filters section on the left.
- More filters are available: Machine type, Adaption size, Power, Spindle and Torque.
- To view more machine details, click on a row:

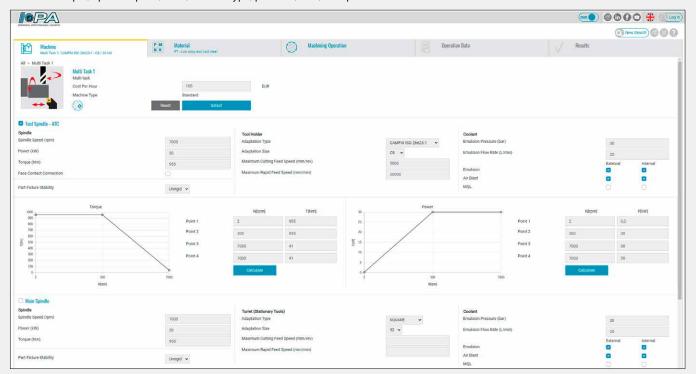






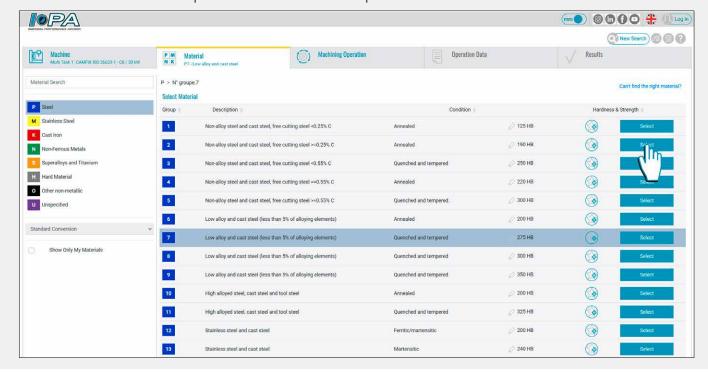
#### Define and customize machine specifications:

Power & torque, Spindle speed, Feed, Coolant type, pressure, flow, Cost per hour



#### 3.2 "Material" Tab

- Select a Material by clicking "Select" button.
- Please notice that "P7" has been chosen as a default material.
- Another option is to proceed to "Machining Operation" tab with this default material.
- Search field is available. Insert an input and click "enter" to search for a specific material.

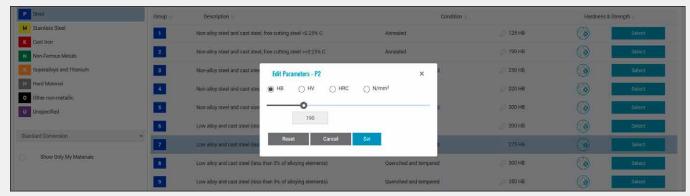




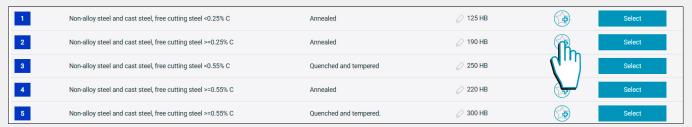


#### Clicking the "Pencil" icon will open a window with the option to change material hardness:

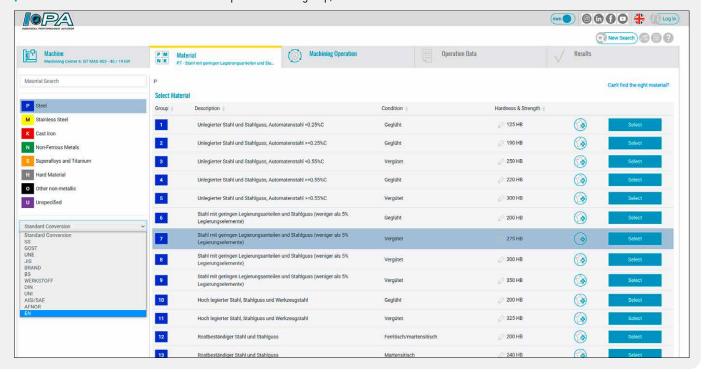




#### As a registered user, you can define your own material and save it to your personal "My Materials" place:



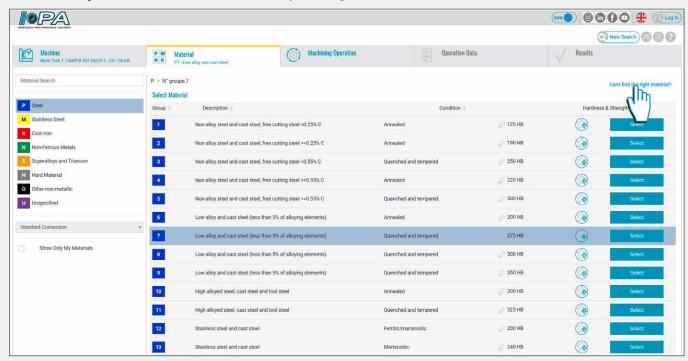
#### To view a "Standard conversion table" for a specific material group, click the "Standard conversion" button:

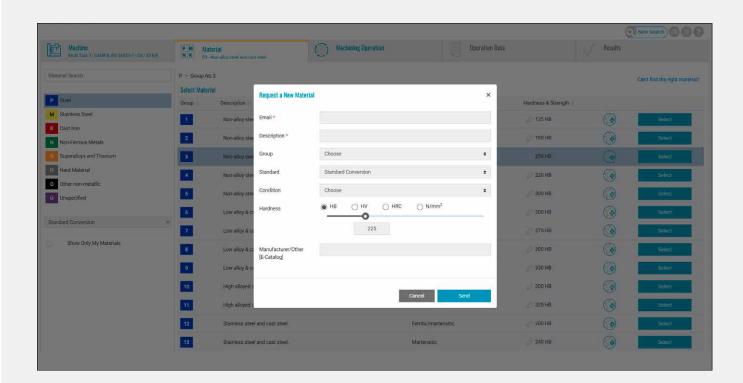






# Can't find the right material? Click the link and send a request to Ingersoll HQ:

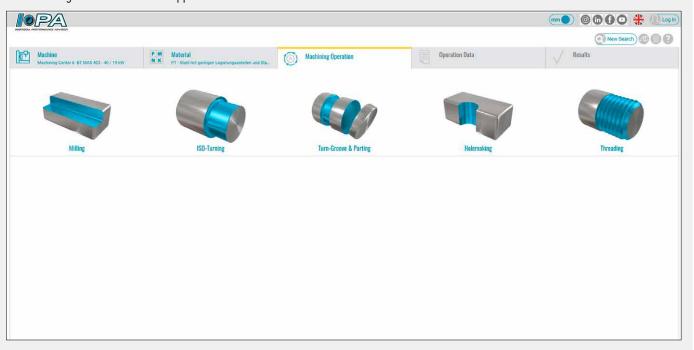




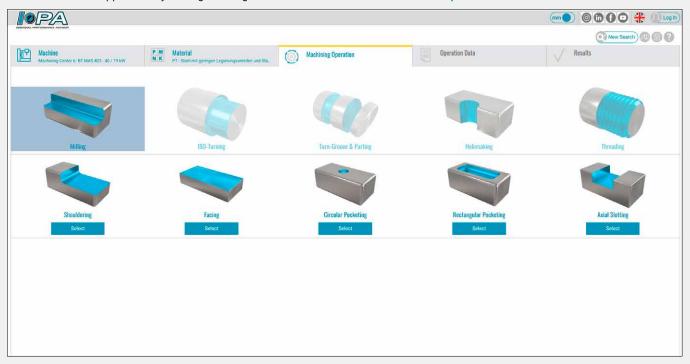




# **3.3 "Machining Operation" Tab**Click the image to choose the main application:



Then choose a sub application by clicking the image or the "Select" button and continue to "Operation Data" tab:

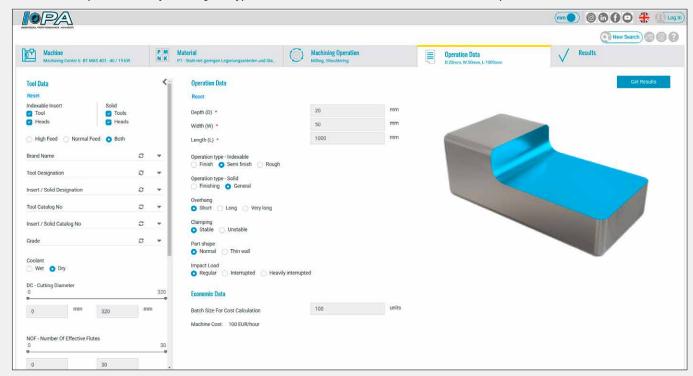




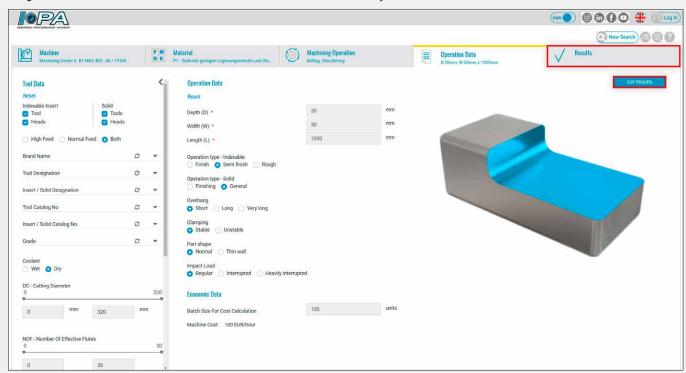
# 3.4 "Operation Data" Tab

Screen is divided to two sections: Tool Data and Operation Data.

Customize the operation data by selecting tool type, batch size for cost calculations and more filters for optimized search and recommendations.



To get results, click the "Results" tab or "Get Results" button or the "enter" key:

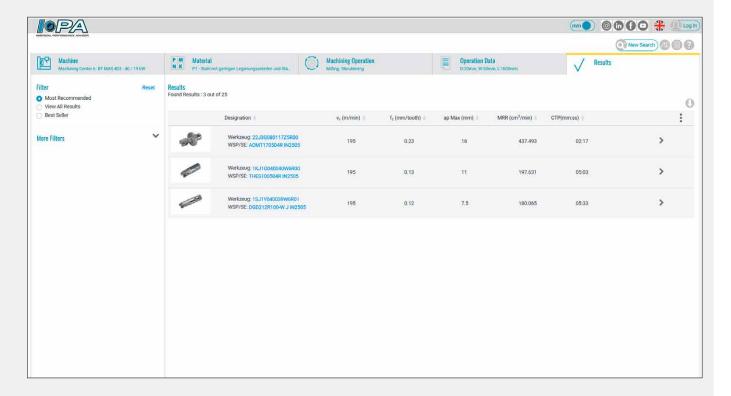




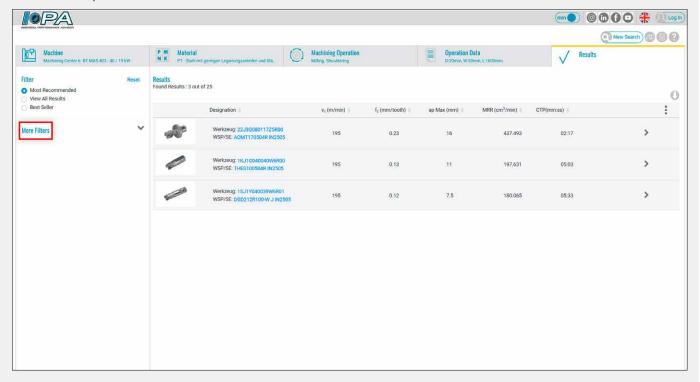


#### 3.5 "Results" Tab

The system will show a default view of the three most recommended tooling solutions per application input:

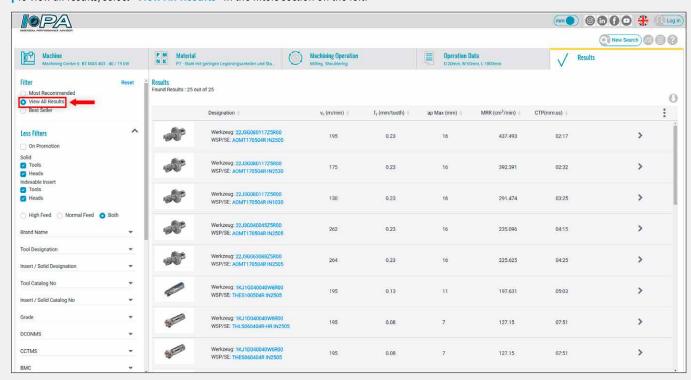


To see all filter options, click the title "More Filters":

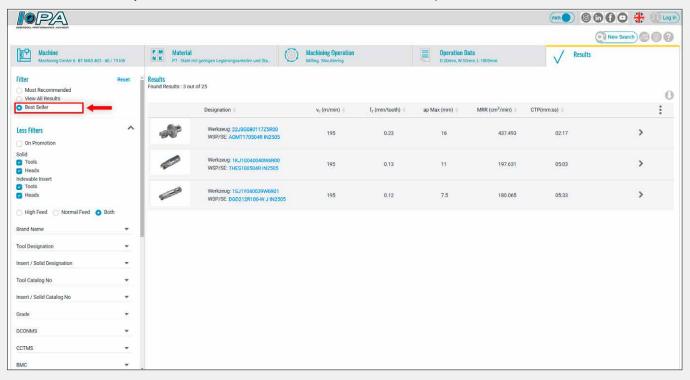




To view all results, select "View All Results" in the filters section on the left:



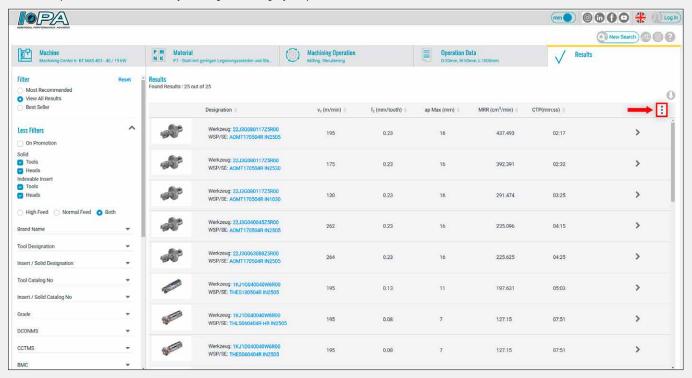
To view all results sorted by "Best Seller" recommendation, select the "Best Seller" filter option.



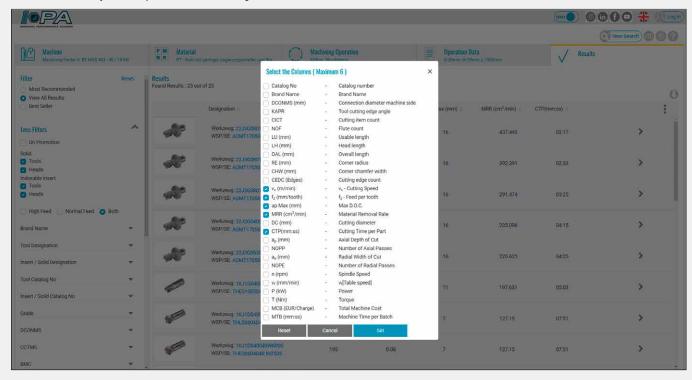




#### There is a performance bar to sort by filtering each category output:



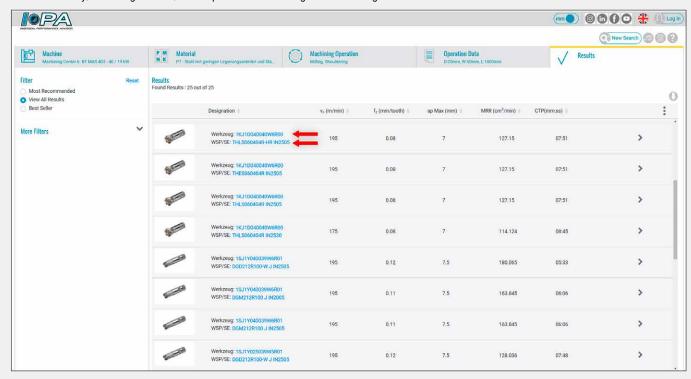
#### Select and define your own performance bar categories:



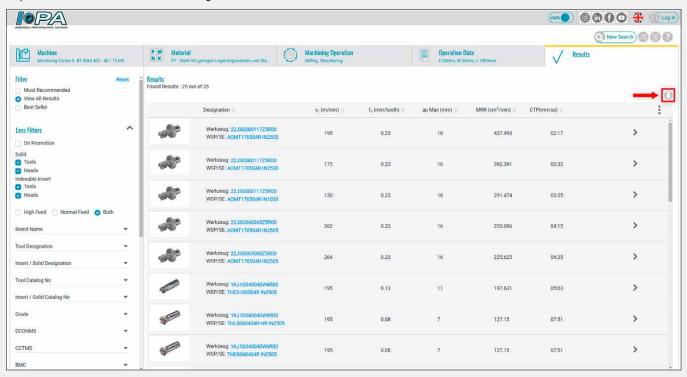




Option to view the item details in the Ingersoll's e-Catalog and create an assembly A full assembly, including holders, will be presented in the Ingersoll e-Catalog.



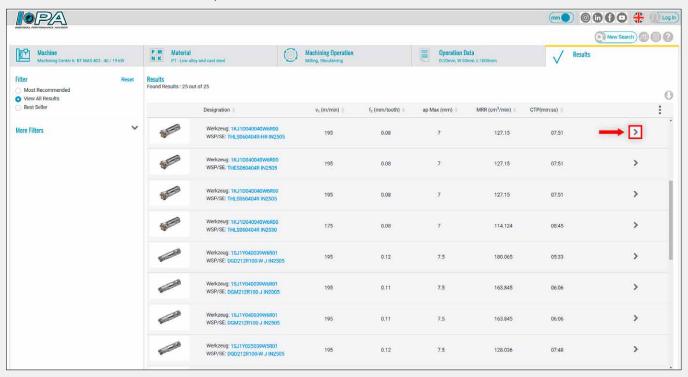
Option to download recommended tooling solutions:





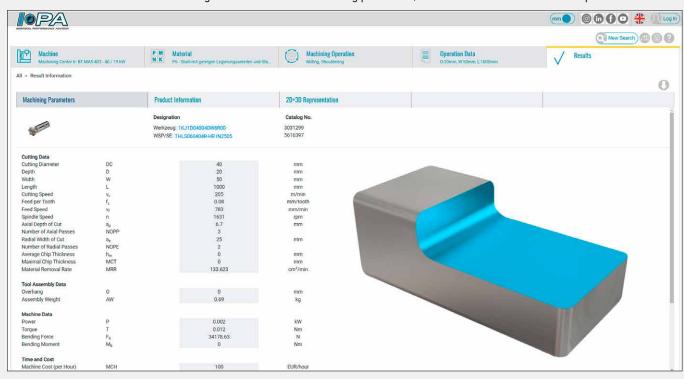


To view more result Information, click on a specific row:



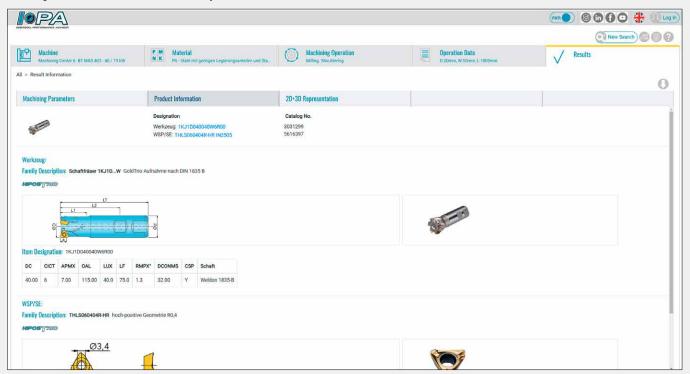
Clicking the link "All" or on the "Results" tab, will lead back to the previous page ("All results").

The result information screen is containing three clickable tabs: Machining parameters, Product information and 2D+3D Representation.

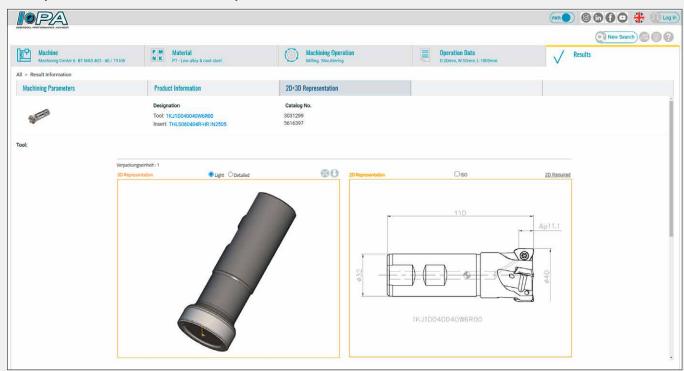




# Catalog information for the entire assembly of items:



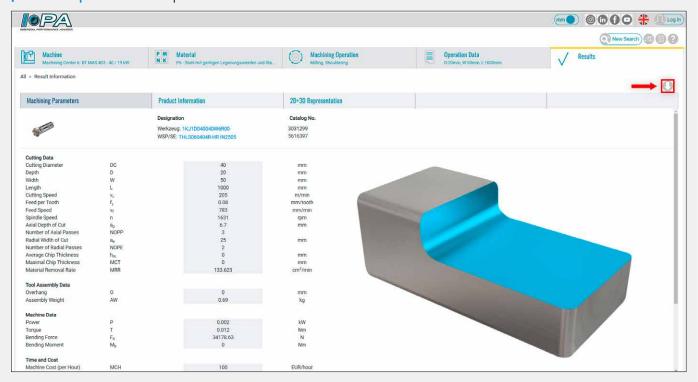
# 2D & dynamic 3D models for the entire assembly of items:



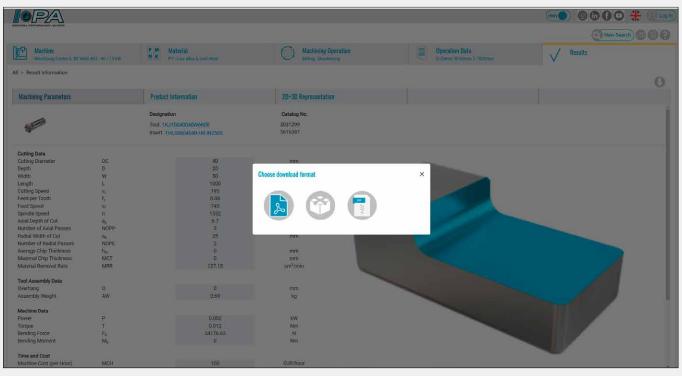




# A click on "Export file" icon will open a window to choose download format:



# 2D & dynamic 3D models for the entire assembly of items:







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Marketing- & Technologie-Standorte

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