



# Material Console

Create, combine and save lists of your favorite materials



**PLM EGYPT**  
Industrial solutions for  
**CAD/CAM/CAE/Tooling/CNC**  
Application



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- ☰ Working list
- ☰ Saved Lists
- ★ Favorites
- ↔ Compare
- 📄 Reports

Material Console provides multiple functionalities to support more efficient, accurate and personalized material selection decisions.

## The Challenge

- Repeatable, time-consuming access to frequently used materials
- Comparing multiple materials and their properties on a single screen
- Regular requirement to keep up to date with standard revision changes
- Tedious creation of reports for justifying material selection decisions

## The Solution

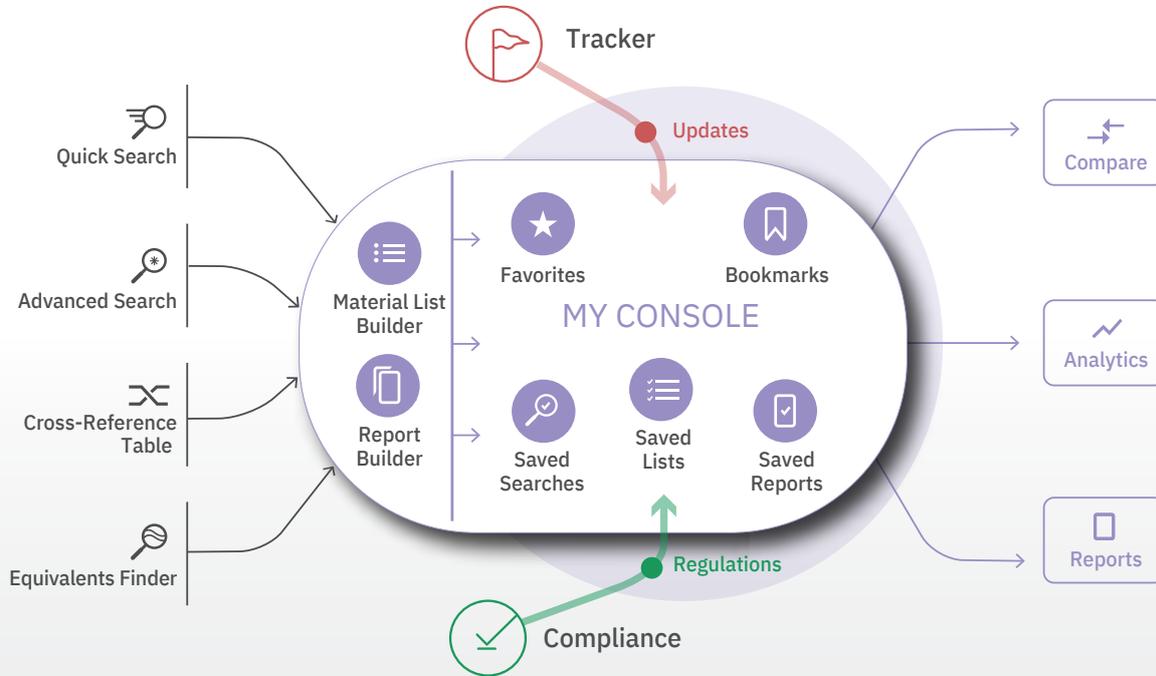
- ✓ Material Console allows Total Materia's >450,000 materials to be distilled into multiple lists from any search results obtained in Total Materia
- ✓ It is possible to compile lists from different areas of the database and then save the lists as labelled libraries of materials that can be accessed again and again
- ✓ Tagging, using the favorites function allows quick access to frequently used materials and notification of any changes, which means lightning fast reaction to the ever changing scope of international materials and related information
- ✓ Material selection tools include Material Comparison, Property and Graph Comparison, Analytics for visual analysis and comparison of materials and much more

## The Benefits

- Rapid personalization of focused materials for projects
- Transparency in materials selection and validation decisions
- Collaborative approach for sharing material lists to help drive control and consistency in team decisions
- Reduced risk and optimization by avoiding material obsolescence and utilizing latest available data



Create, combine and save lists of favorite materials for different projects and access them anytime to refine, compare and visualize all aspects of the material profile whilst staying in touch with their updates through Tracker. Build customized reports on the fly and re-use them when needed.



#	MATERIAL	STANDARD
1	C 3 E / Ck 4	DNV
2	Ck 46	DNV
3	C 42 E AI / Ck 42 AI	DNV
4	Ck 45	DNV
5	C 45 EPb / Ck 45 Pb	DNV
6	GS-Ck45	BSW
7	E76C-K4	BS
8	TECHNYL B 218L V30 BLACK 44 N	PROPRIETARY

### Simple workflow enhancement for focused material lists

Make personalized lists of materials based on the entire resource of more than 450,000 materials in Total Materia for multiple projects. Through the intuitive search possibilities available it is possible to create and save lists of materials according to different profiles and applications. Whether you would like to have instant access to all European and Japanese structural steels with particular durability and strength parameters or to make a list of automotive aluminums with stress strain data at high strain rates for repeated simulations, Material Console can help!

### Next level tracking and traceability for the materials you use regularly

Combining the convenience of cataloguing defined lists of materials with the monthly updates in Total Materia, tracking changes can now be achieved for your favorite saved materials to ensure rapid awareness and reaction where needed. Whether it is notification of revision updates to any of the 20,000+ standards inside the database, seeing changes to any standardized properties, keeping up to speed on changes to compliance, or simply utilizing any new experimental data that is added to the materials, Material Console will keep you up to date.

### Converting selection decisions into transparent, validated outputs

Once personalized lists are in place they can be reused, and redacted versions shared with colleagues or as part of project validation content in the form of an export or detailed report. Key aspects of a new material validation for example, can be supported by selecting critical aspects of the material profile including composition, basic strength, non-linear behavior, corrosion resistance, and compliance to regulations worldwide, all from Total Materia.